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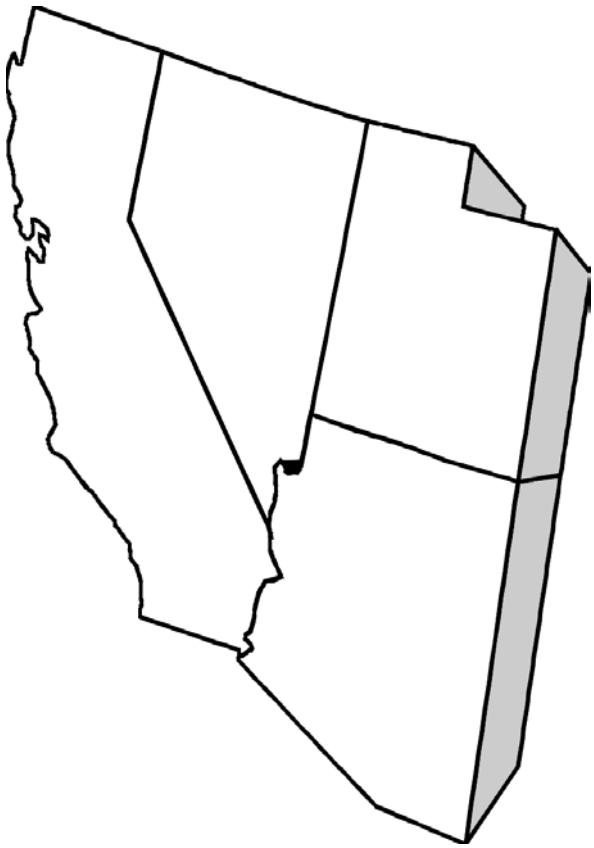
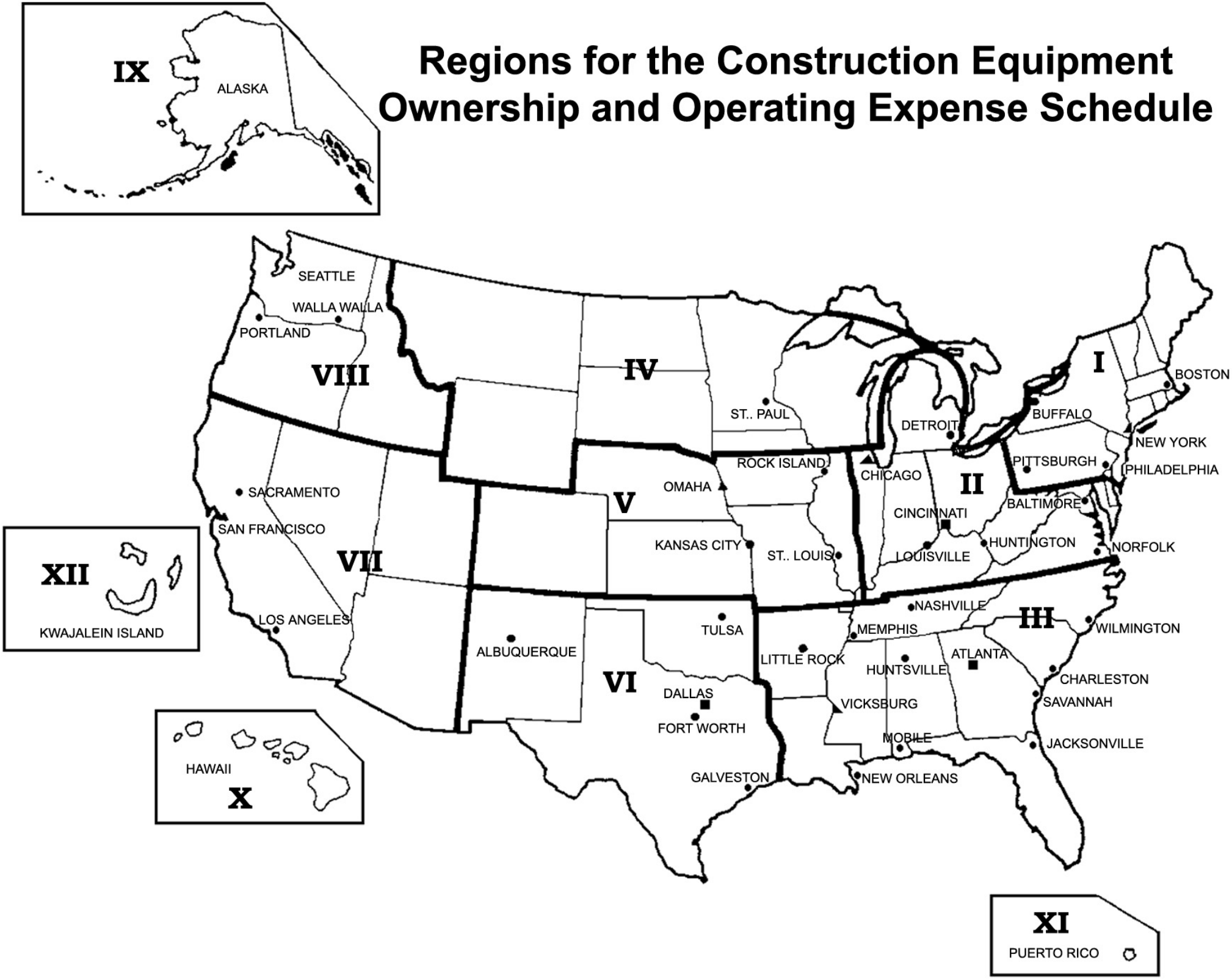
# Construction Equipment Ownership and Operating Expense Schedule

# Region VII



# Regions for the Construction Equipment Ownership and Operating Expense Schedule



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# CONSTRUCTION EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE

1. Purpose. This pamphlet is authorized by and established in accordance with Federal Acquisition Regulation (FAR) 31.105 and Engineer Federal Acquisition Regulation (EFAR) SUBPART 31.105. This pamphlet establishes predetermined equipment ownership and operating expense rates for construction and marine equipment. Expense factors for dredging plant and marine equipment are provided in chapter 4 for use in the development of rates associated with this type of equipment

2. Applicability. This pamphlet applies to all USACE commands. It is applicable to all solicitations and contracts for construction expected to exceed the Simplified Acquisition Threshold of $100,000 when actual cost data for both ownership and operating costs cannot be determined. This volume is for use in Region VII, which includes the following states:

Arizona
California
Nevada
Utah

3. References. See **APPENDIX A.**

4. Distribution Statement. Approved for public release, distribution is unlimited.

FOR THE COMMANDER:

Barbara A. Campbell

11 Appendixes
(See Table of Contents)

for MICHAEL J. WALSH
Colonel, Corps of Engineers
Chief of Staff

This pamphlet supercedes EP 1110-1-8, dated 31 August 2001.

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# CHAPTER 1 INTRODUCTION

## 1.1 Use

The use of this pamphlet is for rate determination on construction contracts, dredging contracts, and negotiated procurements and relates only to contractor-owned equipment (see figure 1-1).

a. This pamphlet shall be used for determining hourly equipment rates that are contained in the independent government estimate.

b. In addition, the use of this pamphlet will be required by contractors for pricing contractor-owned equipment in negotiated procurements when:

(1) Cost or pricing data is not required, as defined in Federal Acquisition Regulation (FAR) Part 15.400, *Contract Pricing*.

(2) Cost or pricing data is required and the actual cost data to support either ownership or operating costs for equipment or equipment groups of similar model and series is not available.

(3) Cost or pricing data is required and available, but all or part of the data is determined not to be in accordance with the FAR cost principles.

## 1.2 How to Obtain Assistance

If assistance is needed in understanding the methodology for calculating equipment rates, contact the Chief, Cost Engineering Branch, Engineering Division, Walla Walla District, U.S. Army Corps of Engineers, (CENWW-ED-C), 509-527-7511 or 509-527-7510. Visit the CENWW-ED-C Web Site at http://www.nww.usace.army.mil/html/offices/ed/cb/cepage.htm.

## 1.3 How to Obtain CHECKRATE Spreadsheet

A Microsoft Excel® spreadsheet, named “CHECKRATE,” has been developed to calculate equipment rates using the methodology required by this pamphlet. The user must have Microsoft Excel® for Windows, version 5.0 or newer, to run the application. The factors needed in the hourly cost calculations are located in the appendixes of this pamphlet. A copy of the spreadsheet may be obtained by choosing the CHECKRATE link on the following Web Site: http://www.nww.usace.army.mil/cost/epframe.htm.

## 1.4 How to Obtain this Publication

Volumes 1-12 of this pamphlet are available in portable document format (PDF) and can be viewed or downloaded at http://www.usace.army.mil/inet/usace-docs/eng-pamphlets/cecw.htm. Copies of the pamphlet are also available on CD-ROM (Volumes 1-12) through the Superintendent of Documents or government bookstores (see

appendix A). For additional information, telephone 202-512-1800, fax 202-512-2250, or access on the Internet at http://www.access.gpo.gov/.

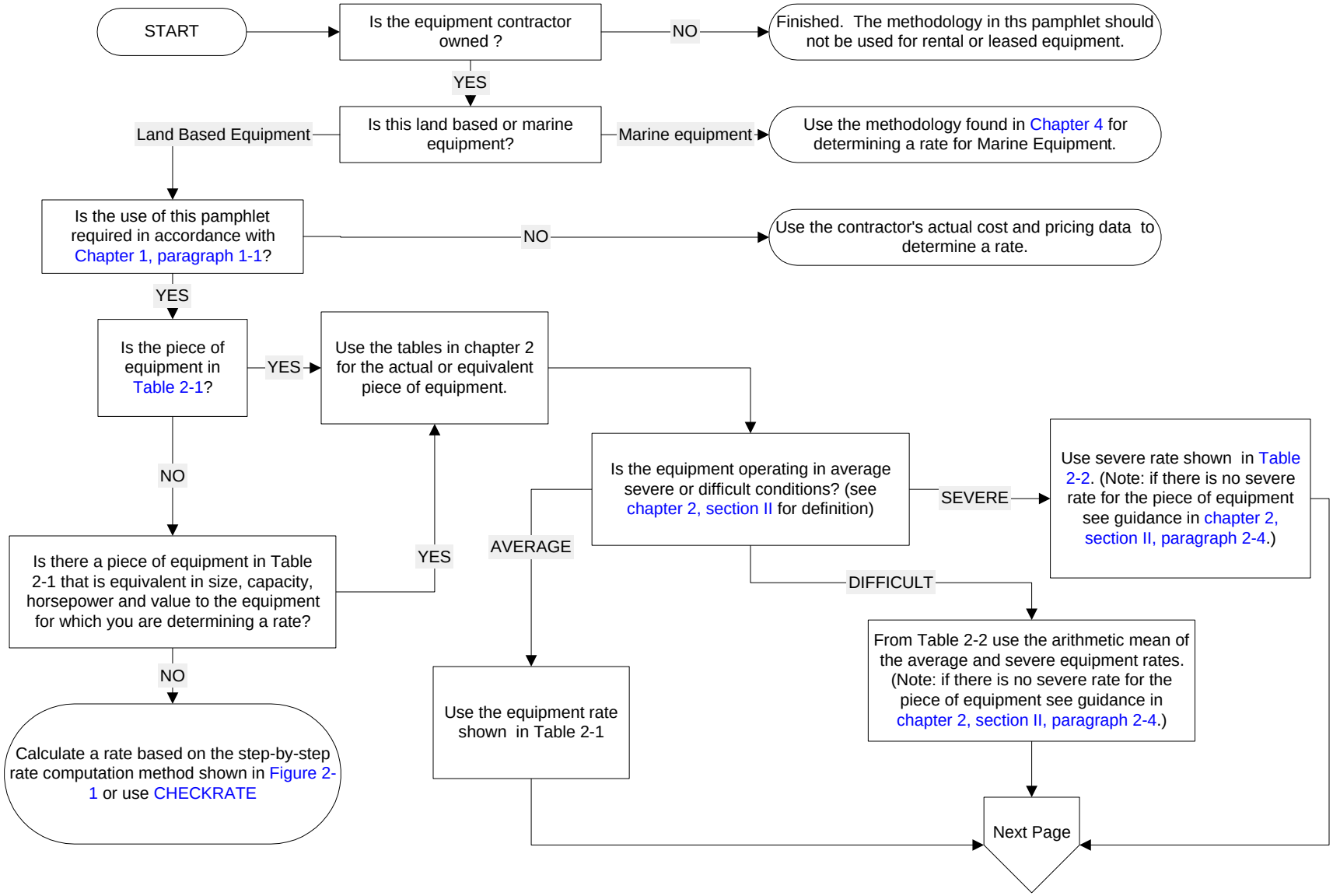


**Figure 1-1. Methodology for Developing an Hourly Ownership and Operating Rate for Construction Equipment**

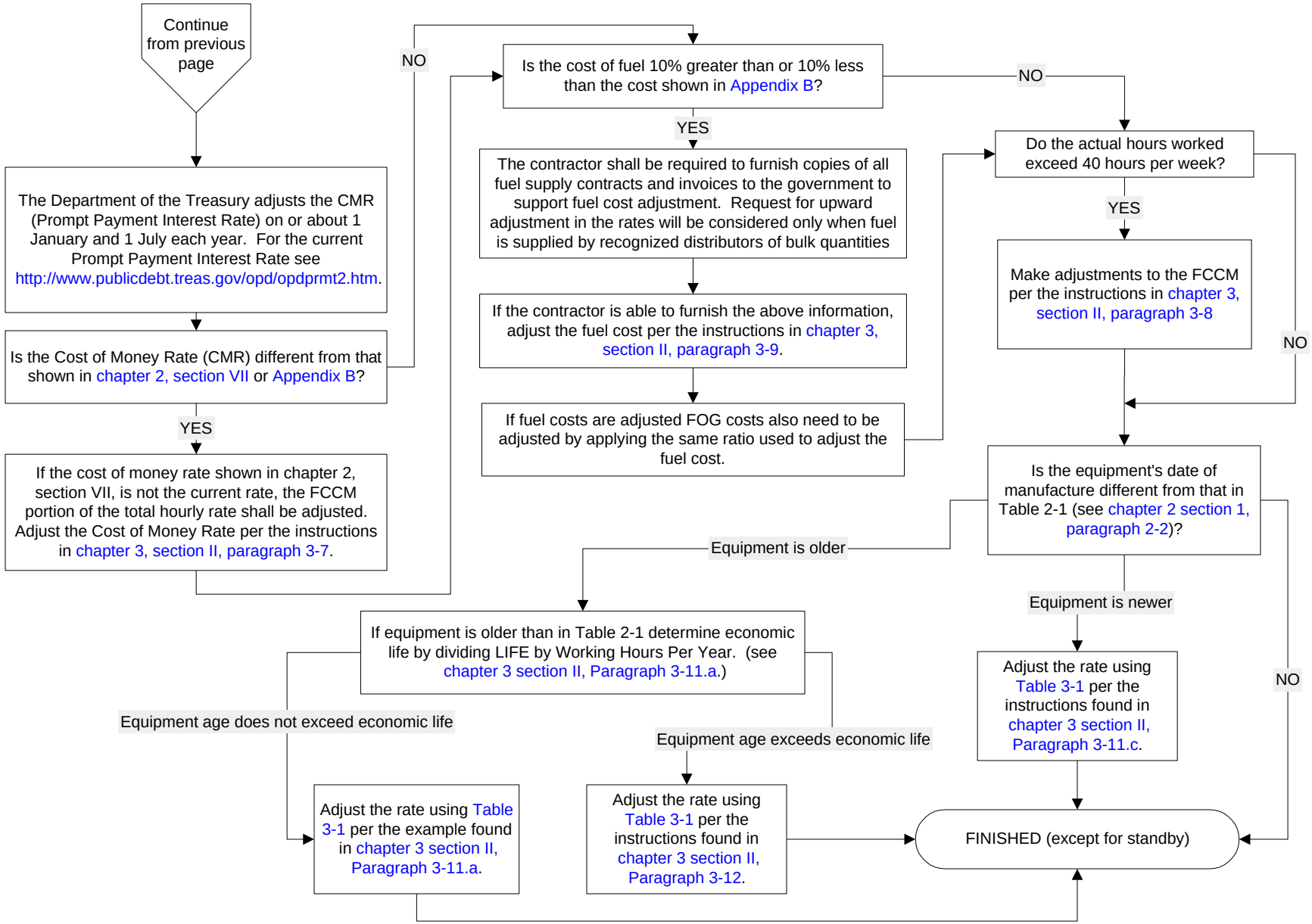


**Figure 1-1. Methodology for Developing an Hourly Ownership and Operating Rate for Construction Equipment (Continued)**

# CHAPTER 2 METHODOLOGY FOR CONSTRUCTION EQUIPMENT

## SECTION I. GENERAL

### 2.1 Contents

This chapter provides the methodology used to compute the total hourly ownership and operating rates for construction equipment and marine equipment (except dredging plant). This detailed methodology includes the formulas and factors used to develop both total hourly rates and hourly standby rates. If the equipment is determined to be older than its estimated economic life (overage) or was purchased used, refer to chapter 3.

### 2.2 Basis for Equipment Rates

The hourly rates shown in table 2-1 reflect catalog list prices of equipment manufactured in 2000 (3 years old). List prices for equipment manufactured in years other than 2000 have been adjusted to 2000 price level using economic indexes. Ownership and operating expenses are computed using area factors, found in appendix B, which are specific to each region and volume. This hourly rate methodology assumes that equipment furnished to the job is in sound, workable condition. Furthermore, the methodology applies only to equipment that prime contractors or subcontractors either own or control. These hourly rates and cost factors do not represent rental charges for those in the business of renting equipment.

### 2.3 Total Hourly Rate

Hourly rates for average conditions are shown in table 2-1 and are computed based on a 40-hour (hr) workweek. The hourly rate is the sum of ownership and operating costs. Table 2-2 contains all individual rate elements for both average and severe conditions. An example of the methodology used to compute the total hourly rate is shown in figure 2-1. For standby calculation, see section IX.

a. Ownership Cost Elements. The ownership portion of the rate consists of an allowance for depreciation (DEPR) and facilities capital cost of money (FCCM).

b. Operating Cost Elements. Operating costs include allowances for the following:

- Fuel
- Filters, oil, and grease (FOG) (includes servicing)
- Repairs (includes maintenance and major overhauls)
- Tire wear (replacement)
- Tire repair

c. Exclusions to Hourly Rates. Total hourly rates for owning and operating equipment do not include allowances for the following:

- Operating labor
- Mobilization and demobilization
- Field office overhead expenses
- Home office or general and administrative (G&A) overhead expenses
- Investment tax credit
- Contingency allowance
- Profit
- Parts and labor escalation

It should also be noted that replacement cost is not included in the rates, as it is not an allowable item of cost per FAR 31.105(d)(2)(i).

d. Other Ownership Elements. The following elements of cost are not included in the total hourly rates. These costs are allowable and would normally be included in the contractor's field office or home office overhead rate calculation.

(1) License fees, property taxes, storage, and insurance costs are considered indirect costs and are not included in the total hourly rates.

(2) Jobsite security, inspection fees, recordkeeping, mechanic's training, and highway permits are also not included in the total hourly rates.

## SECTION II. OPERATING CONDITIONS

### 2.4 Average, Difficult, or Severe Conditions

Operating conditions may be average, difficult, or severe. Hourly rates for both average and severe operating conditions are determined in accordance with appendix C. The rate for the difficult condition is the arithmetic mean of the average and the severe rates. If only the average rate is shown in table 2-2, the rate will apply for all operating conditions or as determined by the contracting officer. Average condition rates are included in both table 2-1 and table 2-2. Only table 2-2 contains the severe condition rates.

### 2.5 Determination of Condition

For contract modifications, the contracting officer determines the equipment operating condition to be used. This determination is based on contract specifications, site conditions, basis of any supporting evidence, and guidance in appendix C. Evaluation of operating conditions for equipment not listed in appendix C will be consistent with examples shown in appendix C. The operating condition of the equipment relates to the average and severe factors as detailed in appendix D.

## SECTION III. EQUIPMENT SELECTION

### 2.6 General

Equipment shown in table 2-1 is representative of equipment that is used in general construction. Note that some equipment may require additional attachments or accessories. Each unit of equipment is grouped into a main group called a category (CAT) and a subgroup called a subcategory (SUB). This type of grouping is displayed in table 2-1 and appendix D. Also, an identification number (ID No.) is assigned to each unit of equipment. The ID No. consists of three parts. The first three characters are the CAT, the second two characters are the manufacturer's code, and the last three characters are the sequence number.

### 2.7 Truck Selection

Because of the large number of possible combinations of highway truck chassis and bodies, both are listed separately. For estimating purposes, use the gross vehicle weight (GVW) rating of the truck chassis to make a selection, with the following conditions:

a. The combined weight of the truck chassis, truck body, and payload must not exceed the GVW rating shown for the truck chassis.

b. The gross combined weight (GCW) of the truck, trailer, and payload must not exceed the GCW rating shown.

### 2.8 Crawler Tractor Selection

A wide range of combinations of ripper and various blade options are available for each crawler tractor. For ease of use, all tractors include a universal blade attachment. Other blade and ripper attachments are shown separately and should be substituted for the universal blade to match actual equipment configuration. Only the hourly expense for those attachments that are required to perform the work shall be allowed.

### 2.9 Equipment Accessories

Equipment accessories included on the major pieces of equipment in table 2-1 are listed in appendix J.

## SECTION IV. EQUIPMENT VALUE

### 2.10 List Price + Accessories

The total list price includes those accessories normally purchased by the contractor plus required safety features. Some units of equipment may no longer be manufactured; they will continue to be included in this pamphlet as representative models until equivalent replacement units can be identified.

## 2.11 Discount Code (DC)

A 7.5-percent discount is used for all equipment except highway trucks that are discounted at 15 percent. The total discounted price is derived by subtracting the appropriate discount from the total list price. The identification of the discount is shown in appendix D under column heading DC. Two codes are used to identify the discount, B equals the basic discount of 7.5 percent and S equals the special discount of 15 percent.

## 2.12 Sales or Import Tax

Total state sales tax (which includes local taxes) or import tax is computed as a percentage of the discounted price. The average tax for the region is shown in appendix B.

## 2.13 Freight

Estimated allowances for freight are given in appendix B. This allowance includes preparation and delivery. Multiply the shipping weight based on hundredweight (cwt) by the freight rate to determine freight charges.

## 2.14 Total Equipment Value (TEV)

Freight is added to the total discounted price (which includes sales tax) to arrive at the TEV. The estimated TEV is indicated in table 2-1 under the column heading VALUE.

# SECTION V. LIFE

## 2.15 Economic Life (LIFE)

The expected economic life of the equipment will vary based on the type of equipment and the condition of use. It is established from manufacturers' or equipment associations' recommendations. The expected economic life in hours is given in appendix D, under the column heading LIFE, for both average and severe conditions.

## 2.16 Working Hours Per Year (WHPY)

Annual average operating hours have been established for equipment working within the region covered by this pamphlet. The number of WHPY as shown in appendix B is equivalent to 1 year's use for a single shift operation. Average hours of use per year are determined by reducing the maximum available hours per year (40 hours per week, 52 weeks per year) to allow for lost working days due to the following factors:

- Weather
- Employee holidays
- Equipment maintenance and repairs

- Mobilization and demobilization
- Miscellaneous downtime

## SECTION VI. SALVAGE VALUE

### 2.17 Salvage Value (SLV)

The salvage value for equipment is based on advertisements of used equipment for sale as displayed in current engineering and construction magazines, manufacturer's recommendations and the *Green Guide Volumes I and II*, *Handbook of New and Used Construction Equipment Values*, Equipment Watch.

### 2.18 The Salvage Value Percentage

The salvage value percentage used for each type of equipment is listed in appendix D under the heading SLV as a percentage of the equipment value. It is equal for both average and severe conditions.

## SECTION VII. OWNERSHIP COST

### 2.19 Ownership Elements

The ownership portion of the rate consists of allowances for depreciation (DEPR) and facilities capital cost of money (FCCM). These two cost elements are computed based on the TEV. Other ownership elements may be allowed (see paragraph 2-3.d.). Total ownership rate per hour is expressed by formula, as follows:

$$\text{Ownership Rate/hr} = \text{DEPR/hr} + \text{FCCM/hr}$$

### 2.20 Depreciation

The straight-line method is used to compute depreciation.

a. For rubber-tired equipment, the tire cost index (TCI) must first be established to complete the depreciation formula in the sample worksheet.

b. Hourly depreciation is calculated by dividing the "depreciable" value (TEV less estimated salvage and tire cost) by the expected economic life of the unit of equipment in hours. Expressed by formula, depreciation cost equals the following:

$$\text{DEPR/hr} = \frac{[[(\text{TEV})(1-\text{SLV})]-[(\text{TCI})(\text{Tire Cost})]]}{\text{LIFE}}$$

Where:

(1) TEV is the total equipment value found in table 2-1.

(2) SLV is the salvage value from appendix D.

(3) TCI is the tire cost index, which is determined by dividing the year of manufacture tire index by the present-year tire index. These indexes are listed as part of appendix E [see Economic Key (EK) 100, All Tires and Tubes].

(4) Tire Cost is the total tire and/or conveyor belt cost. The total tire cost is the sum of the cost of all front, drive, and trailing tires. The tire cost for rubber-tired equipment is based on tire values at the time the equipment was manufactured. If tire costs based on the date of equipment manufacture are not known, present-year tire values are modified using the TCI. Estimated values for tires and conveyor belting, based on the date of the pamphlet, are provided in appendix F (this data is provided for information only). Since appendix F does not contain pricing information for all types and sizes of tires and belts, dealers should be contacted for any additional information.

(5) LIFE is the economic life, which is based on the number of operating hours throughout the economic life of the equipment (see paragraph 2-15). Hours for LIFE are provided in appendix D.

## 2.21 The Facilities Capital Cost of Money (FCCM)

The FCCM, as defined in FAR 31.205-10, is included in the total hourly rates. This cost is computed by multiplying a discounted cost of money rate (CMR) by the average value of equipment and prorating the result over the annual operating hours. The January 2003 CMR [4.250 percent as shown in appendix I determined by the Secretary of the Treasury pursuant to Public Law 92-41 (85 Stat. 97)] is discounted by a reduction of 25 percent to avoid duplication when applying estimated markups for overhead and profit. The discounted CMR is then 3.400 percent. The Department of the Treasury adjusts the CMR on or about 1 January and 1 July each year; these revisions are printed in the Federal Register or can be found on the Internet at http://www.publicdebt.treas.gov/opd/opdprmt2.htm. The CMR should be adjusted to the actual period that the equipment is used. Expressed by formula, FCCM cost equals the following:

$$\text{FCCM/hr} = \frac{(\text{TEV})(\text{AVF})(\text{discounted CMR})}{(\text{WHPY})}$$

Where:

(1) $\text{Average Value Factor (AVF)} = [[(\text{N}-1)(1+\text{SLV})]+2]/2\text{N}$

(2) Number of Years (N) in Depreciation Period = LIFE/WHPY

(3) Discounted CMR = 4.250% (Jan – Jun 2003 rate) / 1.25 = 3.400%

## SECTION VIII. OPERATING COST

### 2.22 Operating Cost Elements

The total operating cost is the sum of the following five elements: fuel, FOG, repairs, tire wear, and tire repair.

### 2.23 Fuel Cost

Fuel costs are computed for each gas, diesel, or electric engine. If the unit of equipment has two engines, as in the case of a truck crane, this methodology treats each engine separately for fuel costs. The hourly fuel cost for each unit of equipment is shown under the column heading FUEL in table 2-1 and table 2-2. If the unit of equipment has no engine, no fuel cost will be shown. Hourly fuel costs are calculated for each engine, as expressed in the following formula:

Fuel Cost/hr = Horsepower (hp) x Fuel Cost/Gallon (gal) x Fuel Factor (gal/bhp-hr)

a. Horsepower is the engines rated horsepower. All horsepower ratings for engine-driven equipment are listed with the equipment description in table 2-1.

b. Fuel Cost/Gallon is based on values shown in appendix B. See chapter 3 for fuel cost adjustments.

c. Fuel Factor - Gas or Diesel Fuel. The fuel factor in gallons per brake horsepower-hour (bhp-hr) is listed in appendix D for both average and severe conditions. Fuel factors are also listed for both the engine powering the main equipment (prime engine) and the engine providing power to the carrier vehicle. For severe conditions, the fuel consumption rate is 30 percent greater than the average condition rate. Gas or diesel fuel factors are computed by using the following formula:

$$\text{Fuel Factor (Gal/bhp - hr)} = \frac{\text{Horsepower Factor (HPF) x lbs Fuel per bhp - hr}}{\text{lbs of Fuel per Gal}}$$

Where:

(1) HPF is the horsepower factor used in the fuel and electricity consumption formulas and represents an average percent of full-rated horsepower being used by the engine. The fuel consumption factors, which are shown in appendix D under column headings Fuel Factor-Equipment and Fuel Factor-Carrier, are computed based on the HPF shown under these column headings. This HPF is an estimate of the engine load under average working conditions. It is necessary to modify the rated horsepower as engines and motors in actual production do not work at their full-rated horsepower at all times. Periods spent at idle, travel in reverse, traveling empty, close maneuvering at part throttle, and operating downhill are examples of conditions that reduce the HPF. Professional judgment regarding cycle time and equipment loading is applied to determine this average HPF. Normal field application

can also vary according to: operator efficiency, type of material, type of work cycle, and overall jobsite efficiency. This pamphlet provides an estimated average HPF, not a specific factor.

(2) Pounds (lbs) fuel per bhp-hr is an average based on a variety of engine applications from manufacturers' engine data. The following represent an average of the normal application of equipment and are indicative of engine fuel consumption industry wide. Pounds fuel (consumed) per bhp-hr is based on the following averages and used consistently throughout this pamphlet:

Gasoline = 0.60 lbs per bhp-hr
Diesel = 0.36 lbs per bhp-hr

(3) Pounds fuel per gallon is the factor that determines the weight of the fuel consumed. The following are used as constants in this pamphlet:

Gasoline = 6 lbs per gal
Diesel = 7 lbs per gal

d. Fuel Factor - Electricity. Assuming that an electric motor uses 1 kilowatt (kW) per horsepower (considering all inefficiencies), and using the same HPF for gas or diesel fuel consumption, the electricity consumption is computed by the following formula:

$$\text{Fuel Factor (kW/hr)} = \text{HPF x 1kW per electric hp - hr}$$

e. Fuel and Electricity Cost. The cost per gallon for gasoline and diesel fuel used to compute the hourly fuel cost is shown in appendix B. The hourly fuel cost for all gasoline-powered equipment, diesel-powered highway trucks, and truck crane carriers includes an allowance for Federal and state road taxes, sales taxes, and rental for fuel storage tanks and pumps. Cost per kilowatt-hour used to compute electricity cost are also shown in appendix B.

## 2.24 Filters, Oil, and Grease (FOG) Cost

FOG cost is computed as a percentage of the hourly fuel costs.

a. FOG contains items of cost for routine servicing of the equipment, which includes the following:

- Base wages for servicing labor
- Fringe benefits and labor burden costs for servicing
- Service truck, tools, and fuel truck allowance
- Shop allowance when shop servicing is required
- Other equipment costs for servicing
- FOG material allowance

- Taxes and shipping for FOG supplies
- Handling and disposal of hazardous materials and oils

b. The hourly FOG cost is calculated for each engine using the following formula:

$$\text{FOG Cost/hr} = \text{FOG Factor x Fuel Cost/hr x LAF}$$

Where:

(1) FOG Factor is the percent allowance expressed as a decimal factor under each fuel type heading E (electricity), G (gas), or D (diesel). See appendix D.

(2) Fuel Cost/hr is a calculated value shown under the column heading FUEL in tables 2-1 and 2-2.

(3) LAF (labor adjustment factor) is a decimal factor used to adjust the FOG Factor to account for regional variations in labor and parts costs. This factor is provided in appendix B. LAF is also used to adjust the repair factor (RF) and the tire repair cost.

c. The FOG percentage allowance includes the cost for servicing. For equipment that is normally serviced by an oiler assigned to the unit of equipment, the FOG percentage is reduced. This reduction applies to the following equipment: cranes, draglines, hydraulic excavators, and shovels (except equipment under category numbers C75, C80.01, C85.11, C85.12, C85.21, C90.01, H25.11, H25.12, H30.01, H30.02, and M10.32).

d. When a unit of equipment has no engine (therefore no fuel costs calculated) and the equipment requires some type of fuel (*i.e.*, propane, kerosene), an alternative hourly fuel and FOG allowance may be used in lieu of the regularly calculated fuel and FOG hourly costs. A FOG allowance may also be added when the equipment has no engine and has parts that require FOG. The alternative fuel allowance is added to the alternative FOG allowance for a total alternative fuel and FOG cost. (See figure 2-1, 5.c)

## 2.25 Repair Cost

The repair cost accounts for equipment repairs, maintenance, and major overhauls (including undercarriage wear, ground engaging tools, and designated attachments) performed in either the field or the shop. Where tire cost is the cost of the tires when the equipment was manufactured, use the same TCI and tire cost as shown in the depreciation calculation (see section 2-20). The estimated hourly rate for repairs is computed as follows:

$$\text{Repair Cost/hr} = \frac{[(\text{TEV}) - [(\text{TCI})(\text{Tire Cost})]] \text{ x RF}}{\text{LIFE}}$$

a. Repair Factor (RF). The repair factor is calculated as follows:

$$RF = RCF \times EAF \times LAF$$

Where:

(1) RCF (repair cost factor) is shown in appendix D. This factor varies depending on the operating condition of the equipment (average or severe).

(2) EAF (economic adjustment factor) is used to adjust the RCF to current price levels. The EAF is equal to the economic index for the present year divided by the economic index for the year the equipment was manufactured. Indexes listed in appendix E are used to develop the EAF. Economic indexes are determined as follows:

(a) Economic Index for the Present Year. Obtain the economic index from appendix E. The index is located in the column with the present year and the row with the type of equipment in question. If the column for the present year has not been included, the index can be estimated using a straight-line projection.

(b) Economic Index for the Year of Manufacture. This is the economic index for the year the equipment was manufactured (can be determined from equipment serial numbers). Obtain the economic index from appendix E. The index is located in the column with the year of manufacture and the row with the type of equipment in question. If the actual age of the equipment is beyond the last year of its economic life, the equipment is considered overage. Economic life is determined by dividing hours of LIFE (from appendix D) by WHPY (appendix B). Refer to chapter 3 for rate adjustments.

b. Items Included in the Repair Cost Factor. The estimated percentage allowances for the RCF are shown in appendix D under the column heading RCF and are expressed as decimal factors. These RCFs (for both the average and severe conditions) compensate for the following cost elements:

(1) Mechanic's labor includes base wages, fringe benefits, supervision, travel, and all other costs for labor associated with craft workers engaged in the direct repair of equipment either in the field or the shop.

(2) Repair parts and supplies include those items that are required for all repairs and major overhauls complete with applicable sales taxes and freight charges.

(3) Service trucks and other equipment used during field or shop repair and maintenance work, including tools.

(4) Supporting repair facilities include field and main repair shops, complete with parts and supplies inventory, and shop overhead.

## 2.26 Tire Cost

Tires included on rubber-tired equipment are generally the type and ply rating recommended as standard tires by the equipment manufacturer. Tire costs include both tire wear (replacement) and tire repair as individual elements of cost. Conveyor belt wear is also included under this cost element.

a. Tire Wear Cost. The formula for calculating tire wear applies to each tire position: front (FT), drive (DT), and trailing (TT). However, all tires performing the drive function are considered drive tires and are listed in the drive position. The total hourly tire wear cost for each unit of equipment is the sum of the hourly cost for each position. The total hourly tire wear cost equals the current cost of new tires plus the cost of one recapping divided by the expected life of the new tires plus the life of the recapped tires. This hourly allowance for determining tire wear cost is expressed in the following formula:

$$\text{Tire Wear Cost/hr} = \frac{\text{Tire Cost Factor x Current Tire Cost}}{\text{Tire Life Factor x Tire Wear Factor x Maximum Tire Life}}$$

Where:

(1) Tire Cost Factor is estimated at 1.5, which represents the purchase of the original tire plus one recap. It has been estimated that a recap costs approximately 50 percent of the new tire cost.

(2) Current Tire Cost is the estimated cost that applies to all tires on the equipment in that position. For example, four new drive tires valued at $500 each would result in an amount of $2,000 for total drive tire cost. The size and cost of each tire used in the pamphlet are listed for information in appendix F.

(3) Tire Life Factor is estimated at 1.8, which represents the original tire life plus one recap. It has been estimated that a recap lasts approximately 80 percent of the life of a new tire.

(4) Tire Wear Factor is based on the position of the tire, type of equipment, and condition of use. Tire wear factors have been developed and are listed in appendix D. These factors will provide a percentage reduction to the maximum tire life. Appendix G contains the methodology used to develop these factors and a computation example for a rear dump wagon.

(5) Maximum Tire Life expressed in hours is shown for various new tire types in appendix F and appendix G. The tire life is estimated from information provided by Goodyear Tire and Rubber Company and by using the method and tables in *Production and Cost Estimating of Material Movement with Earthmoving Equipment,* Terex Corporation, Hudson, Ohio.

b. Tire Repair Cost. It has been estimated that tire repairs are 15 percent of the total hourly tire wear cost. The LAF is used to adjust the tire repair cost to account

for regional variations in labor and parts costs. This cost element has been calculated and listed separately in table 2-2. It is expressed as a formula as follows:

$$\text{Tire Repair Cost} = \text{Total Hourly Tire Wear Cost x } 0.15 \text{ x LAF}$$

c. Belt Cost for Equipment that Uses Conveyor Belts. The belt wear is treated like tire wear. The wear factors are listed in the front tire wear factor column in appendix D. Belt life is shown in appendix F and appendix G, and belt cost is listed in appendix F.

## SECTION IX. STANDBY HOURLY RATE

### 2.27 Standby Hourly Rate

The standby rate is computed by allowing the full FCCM hourly cost (based on a 40 hour workweek) plus one-half of the hourly depreciation. It is expressed as a formula, as follows:

$$\text{Standby Rate/hr} = (\text{DEPR/hr x } 0.50) + \text{FCCM/hr}$$

a. Paid standby shall not exceed 40 hours per week (7 calendar days) (based on a 40 hour workweek) per unit of equipment. Actual operating hours during a week will be credited against the 40 hours maximum standby allowance.

b. Standby will not be allowed during periods when the equipment would have otherwise been in idle status.

c. When the equipment is purchased used, standby will be computed on the basis that the equipment was purchased new by the contractor in the year it was actually manufactured. Refer to chapter 3 for rate adjustments.

## SECTION X. RATE CALCULATION EXAMPLE

### 2.28 Computation Example

Figure 2-1 is an example of how the total hourly rates in table 2-1 are computed. A blank Equipment Rate Computation Worksheet is included in appendix A and can be copied as needed.

a. When an hourly rate for a specific unit of equipment is not included in this pamphlet and a rate must be computed, the methodology contained in chapter 2 shall be followed. However, when a unit of equipment is not included in this pamphlet and the necessary factors to compute a rate are not found in appendix D, please contact the Chief, Cost Engineering Branch, Engineering Division, Walla Walla District, U.S. Army Corps of Engineers, for assistance as explained in chapter 1. A Microsoft Excel® spreadsheet **(CHECKRATE)** is also available for rate computation (see chapter 1).

b. See chapter 3 for further guidance on the procedure for rate adjustments.

Use this worksheet to compute rates for equipment that is not in this pamphlet.

EXAMPLE: THE PIECE OF EQUIPMENT SHOWN IS BASED ON A KNOWN PIECE OF EQUIPMENT FOR ILLUSTRATION PURPOSES ONLY (SEE CHAPTER 2).

1. **EQUIPMENT INFORMATION AND EXPENSE FACTORS**

ID No.: C90LB001

a. Equipment Specification Data:
(1) Equipment Description: Cranes, Mech, Lattice Boom, Truck Mtd, 150 ton/260' Boom, 8x4
(2) Model and Series: HC-238H II
(3) Year of Use: 2003
(4) Year Manufactured: 2000
(5) Horsepower - Equipment: 207
(6) Horsepower - Carrier: 430
(7) Fuel type: - Equipment: gas/diesel off-road/diesel on-road/electric/air D-Off
- Carrier: gas/diesel off-road/diesel on-road/electric/air D-On
(8) Shipping Weight (cwt): 1913 cwt
(9) Tire size and number of tires: (Cost of tires based on year of use – see 1.a.(3) and appendix F)

| | No. | Size/Ply | Unit Price | Cost |
|---|---|---|---|---|
| (a) Front (FT): | 4-ANMB1 | 14x25/20 ply | $ 880.00 | $ 3,520.00 |
| (b) Drive (DT): | 8-ANMB1 | 14x25/20 ply | $ 880.00 | $ 7,040.00 |
| (c) Trailing (TT): | | | $ | $ |
| (d) Total Tire Cost: | | | | $ 10,560.00 |

**USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:**

b. Category and Subcategory Number: C90, 0.04

c. Hourly Expense Calculation Factors:
(1) Economic Key (EK): 20
(2) Condition (C): X Average or Severe or Difficult
(3) Discount Code (DC): B = 7.5% (0.075) – or – S = 15.0% (0.15) 0.075
(4) Life in Hours (LIFE): 20,000
(5) Salvage Value Percentage (SLV): 0.20
(6) Fuel Factor – Equipment [Electric (E) Gas (G) Diesel (D)]: 0.026
(7) Fuel Factor – Carrier (E G D): 0.005
(8) Filters, Oil, and Grease (FOG) Factor (E G D): 0.276
(9) Tire Wear Factor:
(a) Front (FT): 0.97
(b) Drive (DT): 0.78
(c) Trailing (TT): 0.00
(10) Repair Cost Factor (RCF): 0.90

**Figure 2-1. Equipment Rate Computation Worksheet**

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**2. EQUIPMENT VALUE**

a. List Price + Accessories: *[at Year of Manufacture]* =$ 1,197,389.00

(1) Discount: (List Price + Accessories) x (Discount Code)
[1.c.(3)]

($1,197,389.00 + $0.00 ) x (0.075 ) =-($ 89,804.00

(2) Subtotal [2.a.] – [2.a.(1)] Subtotal=$ 1,107,585.00

(3) Sales or Import Tax: (Subtotal) x (Tax Rate)
[2.a.(2)] [Appendix B]

($1,107,585.00 ) x (7.80% ) =+$ 86,392.00

(4) Total Discounted Price: Subtotal: [2.a.(2)] + [2.a.(3)] Subtotal=$ 1,193,977.00

b. Freight: (Shipping Weight) x (Freight Rate per cwt)
[1.a.(8)] [Appendix B]

(1913 cwt) x ($4.26 /cwt) =+$ 8,149.00

**c. TOTAL EQUIPOMENT VALUE (TEV):** **TOTAL[2.]:=$ 1,202,126.00**
[(2.a.(4)] + [(2.b)]
*(See chapter 3 for used and overage equipment rate adjustments.)*

**3. DEPRECIATION PERIOD (N)**

a. (LIFE hours (hr)) / (Working Hours Per Year (WHPY)) = N
[1.c.(4)] [Appendix B]

(20,000 hr) / (1,630 hr/yr) = 12.27

**4. OWNERSHIP COST**

a. Depreciation

(1) Tire Cost Index (TCI):
(Tire Index, Yr of Mfg) / (Tire Index, Based on 1.a.(3)) = Tire Cost Index (TCI)
[Appendix E, EK=100] [Appendix E, EK=100]

(2,373 ) / (2,515 ) = 0.944 (TCI)

(2) [(TEV) x [1.0 - ( SLV )] - [ ( TCI ) x (Tire Cost)]] / ( LIFE )
[2.c.] [1.c.(5)] [4.a.(1)] [1.a.(9)(d)] [1.c.(4)]

[($1,202,126.00 ) x [1.0 – (0.20 )] – [(0.944 ) x ($10,560.00 )]] / (20,000 hr)

=$ 47.59 /hr

**Figure 2-1. Equipment Rate Computation Worksheet**

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**4. OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

(1) [[( N ) - 1.0] x [1.0 + (SLV)] + 2.0] / [2.0x ( N )] = Avg Value Factor
[3.a.] [1.c.5.] [3.a.] (AVF)

[[(12.27 yr) – 1.0] x [1.0 + (0.20)] + 2.0] / [2.0 x (12.27yr)]

= 0.633 (AVF)

(2) ( TEV ) x ( AVF ) x (Adjusted Cost - of - Money) / ( WHPY )
[2.c] [4.b.(1)] [Appendix B] [Appendix B]

($1,202,126.00) x (0.633) x (3.40%) / (1,630 hr/yr)
=$ 15.87 /hr

c. **TOTAL HOURLY OWNERSHIP COST:** **TOTAL [4.]:** **=$** 63.46 /hr
[4.a.(2)] + [4.b.(2)]

**5. OPERATING COST**

a. Fuel Costs:

(1) Equipment:

(Fuel Factor x (Horsepower (hp)) x (Fuel Cost Per Gallon (gal))
[1.c.(6)] [1.a.(5)] [Appendix B]

(0.026) x (207 hp) x ($1.49 / gal) =$ 8.02 /hr

(2) Carrier:

(Fuel Factor) x (Horsepower) x (Fuel Cost Per Gallon)
[1.c.(7)] [1.a.(6)] [Appendix B]

(0.005) x (430 hp) x ($1.74 /gal) =$ 3.74 /hr

(3) Total Hourly Fuel Cost: **Total [5.a.]** =$ 11.76 /hr
[(5.a.(1)] + [5.a.(2)]

b. FOG Cost:

(1) Equipment:

(FOG Factor) x (Equipment Fuel Cost) x (Labor Adjustment Factor (LAF))
[1.c.(8)] [5.a.(1)] [Appendix B]

(0.276) x ($8.02 /hr) x (1.17) =$ 2.59 /hr

**Figure 2-1. Equipment Rate Computation Worksheet**

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**5. OPERATING COST (Continued)**

(2) Carrier:

(FOG Factor) x (Carrier Fuel Cost) x (LAF)
[1.c.(8)] [5.a.(2)] [Appendix B]

(0.276) x ($3.74/hr) x (1.17) =$ 1.21 /hr

(3) Total Hourly FOG Cost: **Total [5.b.]**=$ 3.80 /hr
[(5.b.(1)] + [5.b.(2)]

c. Alternative Fuel/FOG Cost: **Total [5.c.]**=$ 0.00 /hr

(See chapter 2, paragraph 24.d. for guidance on when to use.)

d. Repair Cost:

(1) Economic Adjustment Factor (EAF):
(EK is from [1.c.(1)])

(Economic Index for Year 1.a.(3)) / (Economic Index for Year 1.a.(4))
[Appendix E] [Appendix E]

(5,729) / (5,310) = 1.079(EAF)

*(See table 3-1 for last year of economic life.)*

(2) Repair Factor (RF):

(RCF) x (EAF) x (LAF) = Repair Factor (RF)
[1.c.(10)] [5.d.(1)] [Appendix B]

(0.90) x (1.079) x (1.17) = 1.136 (RF)

(3) Repair Cost:

[(TEV) - [(TCI) x (Tire Cost )]] x (RF) / (LIFE)
[2.c.] [4.a.(1)] [1.a.(9)(d)] [5.d.(2)] [1.c.(4)]

[($1,202,126.00) – [(0.944) x ($10,560.00)]] x (1.136) / (20,000)

(4) Total Hourly Repair Cost: **Total [5.d.]**=$ 67.71 /hr

**Figure 2-1. Equipment Rate Computation Worksheet**

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**5. OPERATING COST (Continued)**

e. Tire Wear Cost: (Use current price levels. See Appendix F)

(1) Front Tires (FT):

[1.5 x (FT Cost)] / [1.8 x (FT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(a)] [1.c.(9)(a)] [Appendix G]

[1.5 x ($3,520.00)] / [1.8 x (0.97) x (2,500/hr)]

=$ 1.21 /hr

(2) Drive Tires (DT):

[1.5 x (DT Cost)] / [1.8 x (DT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(b)] [1.c.(9)(b)] [Appendix G]

[1.5 x ($7,040.00)] / [1.8 x (0.78) x (2500/hr)]

=$ 3.01 /hr

(3) Trailing Tires (TT):

[1.5 x (TT Cost)] / [1.8 x (TT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(c)] [1.c.(9)(c)] [Appendix G]

[1.5 x ($0.00)] / [1.8 x (0) x (0/hr)]

=$ 0.00 /hr

(4) Total Tire Wear Cost: **Total [5.e.]**=$ 4.22 /hr
[Sum 5.e.(1) through 5.e.(3)]

f. Tire Repair Cost:

(Total Tire Wear Cost) x 0.15 x (LAF)
[5.e.(4)] [Appendix B]

($4.22/hr) x 0.15 x (1.17) **Total [5.f.]**=$ 0.74 /hr

g. **TOTAL HOURLY OPERATING COST:** **TOTAL [5.]=$ 88.23 /hr**
[Sum 5.a. through 5.f.]

**Figure 2-1. Equipment Rate Computation Worksheet**

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**6. HOURLY RATES**

a. Total Hourly Rate: [*based on 40 hours per week (wk)*]

(Ownership Cost) + (Operating Cost)

($63.46 /hr) + ($88.23 /hr) =$ 151.69 /hr

b. Other Work Shifts Hourly Rate:
*(Refer to Chapter 3, Adjustments to Rates, for methodology.)*

[(Depreciation) + [(FCCM) x (40 hr/wk) / (Work hr/wk)] + (Operating Cost)]
[4.a.(2)] [4.b.(2)] (example: 60 hr/wk) [5.g.]

[($47.59 /hr) + [($15.87 /hr) x (40 hr/wk) / (60 hr/wk)] + ($88.23 /hr)]

=$ 146.40 /hr

c. Standby Hourly Rate:

[(Depreciation) x 0.50] + (FCCM)
[4.a.(2)] [4.b.(2)]

[($47.59 /hr) x 0.50] + ($15.87 /hr) =$ 39.67 /hr)

**See Chapter 3 if rate adjustments are necessary.**

**Figure 2-1. Equipment Rate Computation Worksheet**

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**Table 2-1. Hourly Equipment Ownership and Operating Expense**

EXPLANATION OF TABLE HEADINGS

Example unit of equipment: American Crane, Model 5530, 75 Ton, 170-boom.

**CAT**: C90 is the category number and identifies it as Cranes, Mechanical, Lattice Boom, Truck Mounted (from appendix D).

**ID No.**: C90LI001 is the unique identification number for the above Link Belt crane. AM equals the manufacturer (see appendix H). 001 equals the numeric order of this unit of equipment within the manufacturer's listing.

**MODEL**: HC-238H is the equipment model number.

**EQUIPMENT DESCRIPTION**: Specific information for each particular unit of equipment is described, such as "150 ton with a 280-foot boom" for the Link Belt crane.

**ENGINE HORSEPOWER AND FUEL TYPE**: The amount of horsepower and type of fuel used is stated for the main and carrier engines. The Link Belt crane carrier has a 430-horsepower engine, and the crane has a 207-horsepower engine. Both engines are diesel (D).

**VALUE (TEV)**: This column reflects the predetermined "equipment cost" used to compute the rates and is based on equipment purchased new in 2000.

**TOTAL HOURLY RATES ($/HR)**: All ownership and operating expenses for the average condition are included. All cost elements, including fuel, are totaled in the AVERAGE column. The STANDBY column includes the hourly allowance for equipment on legitimate standby status (see section 2-27 for more information).

**ADJUSTABLE ELEMENTS**: This column shows ownership elements and fuel costs used to develop the average total hourly rates so they can be adjusted as indicated in chapter 3. Operating costs may be determined by subtracting the ownership cost elements (DEPR plus FCCM) from the total hourly rate for the average condition.

**CWT**: The shipping weight of the equipment is stated in hundredweight.

## Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A10** | **AGGREGATE / CHIP SPREADERS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **SELF-PROPELLED** | | | | | | | | | | |
| | | | **ROSCO MANUFACTURING CO.** | | | | | | | | | | |
| | A10RS003 | SPR-H | CHIP SPREADER, SELF PROPELLED, 10.0 FT, 1.70 CY | 152 HP | D-off | | $89,043 | 31.04 | 5.62 | 8.69 | 1.27 | 8.15 | 149 |
| | A10RS004 | SPR-H | CHIP SPREADER, SELF PROPELLED, 11.0 FT, 1.80 CY | 152 HP | D-off | | $91,993 | 31.72 | 5.81 | 8.99 | 1.31 | 8.15 | 150 |
| | A10RS005 | SPR-H | CHIP SPREADER, SELF PROPELLED, 12.0 FT, 2.03 CY | 152 HP | D-off | | $95,633 | 32.54 | 6.04 | 9.35 | 1.36 | 8.15 | 152 |
| | A10RS006 | SPR-H-H | CHIP SPREADER, SELF PROPELLED, 13.0 FT, 2.28 CY | 152 HP | D-off | | $99,190 | 33.36 | 6.27 | 9.71 | 1.41 | 8.15 | 153 |
| | A10RS007 | SPR-H | CHIP SPREADER, SELF PROPELLED, 15.0 FT, 2.53 CY | 152 HP | D-off | | $90,925 | 31.47 | 5.73 | 8.88 | 1.29 | 8.15 | 156 |
| | A10RS008 | SPREADPRO | CHIP SPREADER, SELF PROPELLED, 16.5 FT, 4.50 CY | 215 HP | D-off | | $164,150 | 52.65 | 10.38 | 16.08 | 2.34 | 11.53 | 158 |
| | **SUBCATEGORY 0.20** | | **TOWED & TAILGATE** | | | | | | | | | | |
| | | | **AMERICAN ROAD MACHINERY, INC.** | | | | | | | | | | |
| | A10AR001 | TG-505C | CHIP SPREADER, TAILGATE, 8' WIDE (ADD DUMP TRUCK) | | | | $3,818 | 1.04 | 0.32 | 0.51 | 0.06 | 0.00 | 5 |
| | A10AR002 | ODELL 900 | CHIP SPREADER, TOWED, 8' WIDE (ADD DUMP TRUCK) | | | | $9,513 | 2.77 | 0.78 | 1.27 | 0.14 | 0.00 | 22 |
| **A15** | **AIR COMPRESSORS, PORTABLE** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **ROTARY SCREW** | | | | | | | | | | |
| | | | **INGERSOLL RAND CO.** | | | | | | | | | | |
| | A15IA001 | P175WJD | AIR COMPRESSOR, 175 CFM, 100 PSI (ADD HOSE) | 56 HP | D-off | | $20,358 | 8.13 | 1.09 | 1.61 | 0.28 | 3.25 | 21 |
| | A15IA002 | HP300WCU | AIR COMPRESSOR, 300 CFM, 150 PSI (ADD HOSE) | 110 HP | D-off | | $43,967 | 16.70 | 2.36 | 3.50 | 0.61 | 6.39 | 38 |
| | A15IA003 | VHP400WCU | AIR COMPRESSOR, 400 CFM, 200 PSI (ADD HOSE) | 174 HP | D-off | | $52,639 | 23.30 | 2.81 | 4.16 | 0.73 | 10.11 | 53 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A15* | | | *INGERSOLL RAND CO. (continued)* | | | | | | | | | | |
| | A15IA004 | HP450WCU | AIR COMPRESSOR, 450 CFM, 150 PSI (ADD HOSE) | 174 HP | D-off | | $52,639 | 23.30 | 2.81 | 4.16 | 0.73 | 10.11 | 53 |
| | A15IA005 | XP525WCU | AIR COMPRESSOR, 525 CFM, 125 PSI (ADD HOSE) | 174 HP | D-off | | $52,639 | 23.30 | 2.81 | 4.16 | 0.73 | 10.11 | 53 |
| | A15IA006 | XHP650WCAT | AIR COMPRESSOR, 650 CFM, 350 PSI (ADD HOSE) | 300 HP | D-off | | $116,159 | 44.84 | 6.21 | 9.20 | 1.61 | 17.43 | 136 |
| | A15IA007 | XHP750WCAT | AIR COMPRESSOR, 750 CFM, 300 PSI (ADD HOSE) | 300 HP | D-off | | $121,829 | 45.87 | 6.52 | 9.65 | 1.69 | 17.43 | 136 |
| | A15IA008 | VHP825WCU | AIR COMPRESSOR, 825 CFM, 200 PSI (ADD HOSE) | 335 HP | D-off | | $92,070 | 43.16 | 4.92 | 7.27 | 1.28 | 19.47 | 96 |
| | A15IA009 | XP1000WCAT | AIR COMPRESSOR, 1000 CFM, 125 PSI (ADD HOSE) | 310 HP | D-off | | $92,133 | 41.21 | 4.92 | 7.28 | 1.28 | 18.01 | 104 |
| | A15IA010 | XHP1070WCAT | AIR COMPRESSOR, 1070 CFM, 350 PSI (ADD HOSE) | 400 HP | D-off | | $164,329 | 61.51 | 8.81 | 13.05 | 2.28 | 23.24 | 152 |
| | | | **SULLAIR CORPORATION** | | | | | | | | | | |
| | A15SR006 | 125DPQJD | AIR COMPRESSOR, 125 CFM, 100 PSI (ADD HOSE) | 76 HP | D-off | | $13,253 | 8.39 | 0.70 | 1.04 | 0.18 | 4.42 | 24 |
| | A15SR007 | 130DPQJD | AIR COMPRESSOR, 130 CFM, 100 PSI (ADD HOSE) | 77 HP | D-off | | $13,269 | 8.46 | 0.70 | 1.04 | 0.18 | 4.47 | 26 |
| | A15SR004 | 185 | AIR COMPRESSOR, 185 CFM, 100 PSI (ADD HOSE) | 78 HP | D-off | | $14,216 | 8.73 | 0.76 | 1.12 | 0.20 | 4.53 | 24 |
| | A15SR005 | 250 | AIR COMPRESSOR, 250 CFM, 100 PSI (ADD HOSE) | 80 HP | D-off | | $17,731 | 9.53 | 0.95 | 1.40 | 0.25 | 4.65 | 26 |
| | A15SR008 | 375HDPQJD | AIR COMPRESSOR, 375 CFM, 150 PSI (ADD HOSE) | 123 HP | D-off | | $29,087 | 14.99 | 1.54 | 2.28 | 0.40 | 7.15 | 42 |
| | A15SR009 | 425DPQJD | AIR COMPRESSOR, 425 CFM, 100 PSI (ADD HOSE) | 124 HP | D-off | | $29,087 | 15.07 | 1.54 | 2.28 | 0.40 | 7.21 | 42 |
| | A15SR010 | 600HDTQCA | AIR COMPRESSOR, 600 CFM, 150 PSI (ADD HOSE) | 230 HP | D-off | | $53,869 | 27.94 | 2.86 | 4.22 | 0.75 | 13.37 | 100 |
| | A15SR011 | 750HHDTQCA | AIR COMPRESSOR, 750 CFM, 175 PSI (ADD HOSE) | 300 HP | D-off | | $62,711 | 35.02 | 3.33 | 4.92 | 0.87 | 17.43 | 103 |
| | A15SR002 | 900XH | AIR COMPRESSOR, 900 CFM, 350 PSI (ADD HOSE) | 440 HP | D-off | | $123,736 | 57.23 | 6.60 | 9.76 | 1.72 | 25.57 | 157 |
| | A15SR012 | 1050DTQCA | AIR COMPRESSOR, 1050 CFM, 100 PSI (ADD HOSE) | 300 HP | D-off | | $61,690 | 34.84 | 3.28 | 4.84 | 0.86 | 17.43 | 105 |
| | A15SR013 | 1200HDTQCA | AIR COMPRESSOR, 1200 CFM, 150 PSI (ADD HOSE) | 440 HP | D-off | | $114,580 | 55.51 | 6.13 | 9.07 | 1.59 | 25.57 | 166 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A15* | | | *SULLAIR CORPORATION (continued)* | | | | | | | | | | |
| | A15SR014 | 1500DTQCA | AIR COMPRESSOR, 1500 CFM, 100 PSI (ADD HOSE) | 440 HP | D-off | | $114,830 | 55.60 | 6.09 | 9.00 | 1.59 | 25.57 | 172 |
| | A15SR015 | 1900DTQCA | AIR COMPRESSOR, 1900 CFM, 100 PSI (ADD HOSE) | 525 HP | D-off | | $123,840 | 63.92 | 6.59 | 9.73 | 1.72 | 30.51 | 164 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | A15XX019 | 85G | AIR COMPRESSOR, 85 CFM, 100 PSI (ADD HOSE) | 30 HP | G | | $8,920 | 6.82 | 0.47 | 0.69 | 0.12 | 3.71 | 14 |
| | A15XX020 | 85D | AIR COMPRESSOR, 85 CFM, 100 PSI (ADD HOSE) | 30 HP | D-off | | $12,425 | 4.63 | 0.66 | 0.97 | 0.17 | 1.74 | 24 |
| | A15XX021 | 100G | AIR COMPRESSOR, 100 CFM, 100 PSI (ADD HOSE) | 50 HP | G | | $11,873 | 10.84 | 0.63 | 0.93 | 0.16 | 6.19 | 16 |
| | A15XX022 | 100D | AIR COMPRESSOR, 100 CFM, 125 PSI (ADD HOSE) | 35 HP | D-off | | $13,823 | 5.28 | 0.74 | 1.09 | 0.19 | 2.03 | 15 |
| | A15XX023 | 125G | AIR COMPRESSOR, 125 CFM, 100 PSI (ADD HOSE) | 65 HP | G | | $12,639 | 13.57 | 0.68 | 0.99 | 0.18 | 8.04 | 20 |
| | A15XX024 | 125D | AIR COMPRESSOR, 125 CFM, 125 PSI (ADD HOSE) | 50 HP | D-off | | $14,596 | 6.61 | 0.78 | 1.15 | 0.20 | 2.91 | 23 |
| | A15XX025 | 160G | AIR COMPRESSOR, 160 CFM, 125 PSI (ADD HOSE) | 60 HP | G | | $13,396 | 12.85 | 0.72 | 1.05 | 0.19 | 7.43 | 23 |
| | A15XX026 | 175D | AIR COMPRESSOR, 175 CFM, 100 PSI (ADD HOSE) | 70 HP | D-off | | $17,833 | 8.77 | 0.96 | 1.41 | 0.25 | 4.07 | 27 |
| | A15XX027 | 175G | AIR COMPRESSOR, 175 CFM, 125 PSI (ADD HOSE) | 90 HP | G | | $14,383 | 18.21 | 0.77 | 1.13 | 0.20 | 11.14 | 24 |
| | A15XX028 | 185D | AIR COMPRESSOR, 185 CFM, 100 PSI (ADD HOSE) | 75 HP | D-off | | $18,323 | 9.25 | 0.98 | 1.45 | 0.25 | 4.36 | 27 |
| | A15XX029 | 185G | AIR COMPRESSOR, 185 CFM, 125 PSI (ADD HOSE) | 70 HP | G | | $15,354 | 14.93 | 0.82 | 1.21 | 0.21 | 8.66 | 23 |
| | A15XX030 | 250 | AIR COMPRESSOR, 250 CFM, 100 PSI (ADD HOSE) | 95 HP | D-off | | $27,165 | 12.44 | 1.46 | 2.15 | 0.38 | 5.52 | 31 |
| | A15XX031 | 300 | AIR COMPRESSOR, 300 CFM, 125 PSI (ADD HOSE) | 110 HP | D-off | | $31,594 | 14.43 | 1.70 | 2.51 | 0.44 | 6.39 | 34 |
| | A15XX032 | 375 | AIR COMPRESSOR, 375 CFM, 125 PSI (ADD HOSE) | 112 HP | D-off | | $33,141 | 14.87 | 1.76 | 2.60 | 0.46 | 6.51 | 44 |
| | A15XX033 | 450 | AIR COMPRESSOR, 450 CFM, 125 PSI (ADD HOSE) | 150 HP | D-off | | $40,837 | 19.28 | 2.16 | 3.17 | 0.57 | 8.72 | 89 |
| | A15XX034 | 600 | AIR COMPRESSOR, 600 CFM, 100 PSI (ADD HOSE) | 200 HP | D-off | | $59,516 | 26.62 | 3.17 | 4.67 | 0.83 | 11.62 | 99 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A15* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | | |
| | A15XX035 | 750 | AIR COMPRESSOR, 750 CFM, 125 PSI (ADD HOSE) | 250 HP | D-off | | $63,448 | 31.26 | 3.37 | 4.98 | 0.88 | 14.53 | 101 |
| | A15XX036 | 825 | AIR COMPRESSOR, 825 CFM, 125 PSI (ADD HOSE) | 310 HP | D-off | | $68,429 | 36.85 | 3.64 | 5.38 | 0.95 | 18.01 | 112 |
| | A15XX037 | 900 | AIR COMPRESSOR, 900 CFM, 125 PSI (ADD HOSE) | 260 HP | D-off | | $75,180 | 34.19 | 4.00 | 5.92 | 1.04 | 15.11 | 99 |
| | A15XX038 | 1200 | AIR COMPRESSOR, 1200 CFM, 125 PSI (ADD HOSE) | 325 HP | D-off | | $111,802 | 46.00 | 5.98 | 8.85 | 1.55 | 18.89 | 150 |
| | A15XX039 | 1300 | AIR COMPRESSOR, 1400 CFM, 125 PSI (ADD HOSE) | 395 HP | D-off | | $116,933 | 52.43 | 6.24 | 9.23 | 1.62 | 22.95 | 180 |
| | A15XX040 | 1600 | AIR COMPRESSOR, 1600 CFM, 100 PSI (ADD HOSE) | 425 HP | D-off | | $123,786 | 56.05 | 6.61 | 9.78 | 1.72 | 24.70 | 180 |
| | **SUBCATEGORY 0.20** | | **SHOP TYPE** | | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | A15XX041 | 80/15 | AIR COMPRESSOR, 15 CFM, 80 GAL (ADD HOSE) | 5 HP | E | | $5,944 | 1.35 | 0.29 | 0.42 | 0.08 | 0.30 | 3 |
| | A15XX042 | 80/25 | AIR COMPRESSOR, 25 CFM, 80 GAL (ADD HOSE) | 7 HP | E | | $6,285 | 1.61 | 0.31 | 0.45 | 0.08 | 0.43 | 3 |
| | A15XX043 | 120/35 | AIR COMPRESSOR, 35 CFM, 120 GAL (ADD HOSE) | 10 HP | E | | $6,324 | 1.89 | 0.31 | 0.45 | 0.08 | 0.61 | 4 |
| | A15XX044 | 120/55 | AIR COMPRESSOR, 55 CFM, 120 GAL (ADD HOSE) | 15 HP | E | | $7,773 | 2.57 | 0.38 | 0.55 | 0.10 | 0.91 | 4 |
| | A15XX045 | 120/90 | AIR COMPRESSOR, 90 CFM, 120 GAL (ADD HOSE) | 25 HP | E | | $10,065 | 3.86 | 0.49 | 0.71 | 0.13 | 1.52 | 4 |
| | A15XX046 | 120/112 | AIR COMPRESSOR, 112 CFM, 120 GAL (ADD HOSE) | 30 HP | E | | $11,194 | 4.50 | 0.55 | 0.79 | 0.15 | 1.82 | 5 |
| **A20** | **AIR HOSE, TOOLS & EQUIPMENT** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **AIR DRILL HOSE** | | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | A20XX001 | | AIR HOSE, 0.75", 100', HARDROCK | | | | $1,205 | 0.97 | 0.19 | 0.33 | 0.02 | 0.00 | 1 |
| | A20XX002 | | AIR HOSE, 1.00", 100', HARDROCK | | | | $1,397 | 1.12 | 0.21 | 0.38 | 0.02 | 0.00 | 1 |
| | A20XX003 | | AIR HOSE, 1.25", 100', HARDROCK | | | | $1,741 | 1.39 | 0.27 | 0.47 | 0.03 | 0.00 | 1 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A20* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | |
| | A20XX004 | | AIR HOSE, 1.50", 100', HARDROCK | | | $2,272 | 1.82 | 0.35 | 0.62 | 0.04 | 0.00 | 1 |
| | A20XX005 | | AIR HOSE, 2.00", 100', HARDROCK | | | $3,214 | 2.57 | 0.49 | 0.87 | 0.05 | 0.00 | 2 |
| | A20XX006 | | AIR HOSE, 2.50", 100', HARDROCK | | | $3,936 | 3.15 | 0.60 | 1.07 | 0.06 | 0.00 | 3 |
| | A20XX007 | | AIR HOSE, 3.00", 100', HARDROCK | | | $4,860 | 3.89 | 0.74 | 1.32 | 0.08 | 0.00 | 4 |
| | A20XX008 | | AIR HOSE, 4.00", 100', HARDROCK | | | $6,489 | 5.19 | 0.98 | 1.76 | 0.10 | 0.00 | 6 |
| | **SUBCATEGORY 0.20** | | **SANDBLAST HOSE** | | | | | | | | | |
| | | | **CLEMCO INDUSTRIES CORPORATION** | | | | | | | | | |
| | A20CM017 | | SANDBLAST HOSE, 0.75"ID, 100' LONG USE AS SAND BLASTING ACCESSORY | | | $494 | 0.42 | 0.08 | 0.13 | 0.01 | 0.00 | 1 |
| | A20CM018 | | SANDBLAST HOSE, 1.00"ID, 100' LONG USE AS SAND BLASTING ACCESSORY | | | $655 | 0.56 | 0.10 | 0.18 | 0.01 | 0.00 | 1 |
| | A20CM020 | | SANDBLAST HOSE, 1.25"ID, 100' LONG USE AS SAND BLASTING ACCESSORY | | | $713 | 0.60 | 0.11 | 0.19 | 0.01 | 0.00 | 1 |
| | A20CM019 | | SANDBLAST HOSE, 1.50"ID, 100' LONG USE AS SAND BLASTING ACCESSORY | | | $809 | 0.69 | 0.12 | 0.22 | 0.01 | 0.00 | 1 |
| | **SUBCATEGORY 0.30** | | **SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS** | | | | | | | | | |
| | | | **CHICAGO PNEUMATIC TOOL CO.** | | | | | | | | | |
| | A20CK002 | CP-0009F | ROTARY / CHIP HAMMER, 8 LB, AIR (ADD 30 PSI COMPRESSOR & BIT COSTS) | 20 CFM A | | $923 | 0.43 | 0.08 | 0.14 | 0.01 | 0.00 | 1 |
| | A20CK001 | CP-0014RR | ROTARY / CHIP HAMMER, 15 LB, AIR (ADD 30 PSI COMPRESSOR & BIT COSTS) | 32 CFM A | | $1,674 | 0.77 | 0.15 | 0.25 | 0.02 | 0.00 | 1 |
| | A20CK003 | CP-0022 | ROCK DRILL, 30 LB, AIR (ADD 50 CFM COMPRESSOR & BIT COSTS) | 56 CFM A | | $1,838 | 0.86 | 0.17 | 0.28 | 0.03 | 0.00 | 1 |
| | A20CK005 | CP-0069 | ROCK DRILL, 55 LB, AIR (ADD 140 CFM COMPRESSOR & BIT COSTS) | 130 CFM A | | $2,184 | 1.01 | 0.20 | 0.33 | 0.03 | 0.00 | 1 |
| | A20CK006 | CP-0111-THLA | BREAKER-FOUR BOLT, 25 LB (ADD 50 CFM COMPRESSOR & BIT COSTS) | 45 CFM A | | $1,305 | 0.61 | 0.12 | 0.20 | 0.02 | 0.00 | 1 |
| | A20CK008 | CP-1230-S1.25 | BREAKERS-FOUR BOLT, 60 LB (ADD 65 CFM COMPRESSOR & BIT COSTS) | 63 CFM A | | $1,342 | 0.62 | 0.12 | 0.20 | 0.02 | 0.00 | 1 |
| | A20CK010 | CP-1240-S1.25 | BREAKER-FOUR BOLT, 90 LB (ADD 90 CFM COMPRESSOR & BIT COSTS) | 81 CFM A | | $1,481 | 0.68 | 0.13 | 0.22 | 0.02 | 0.00 | 1 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **CLEMCO INDUSTRIES CORPORATION** | | | | | | | | | | |
| | A20CM010 | PACKAGE TWO | SANDBLASTER, 2 CF CAP, W/ 0.50" X 25' HOSE (ADD 100 CFM COMPRESSOR & NOZZLE COST) | 100 CFM | A | | $3,167 | 1.53 | 0.28 | 0.48 | 0.04 | 0.00 | 4 |
| | A20CM011 | PACKAGE FOUR | SANDBLASTER, 4 CF CAP, W/ 1.00" X 25' HOSE (ADD 170 CFM COMPRESSOR & NOZZLE COST) | 170 CFM | A | | $3,524 | 1.69 | 0.32 | 0.53 | 0.05 | 0.00 | 5 |
| | A20CM012 | PACKAGE SIX | SANDBLASTER, 6 CF CAP, W/1.25" X 25' HOSE (ADD 200 CFM COMPRESSOR & NOZZLE COST) | 200 CFM | A | | $3,831 | 1.90 | 0.34 | 0.57 | 0.05 | 0.00 | 6 |
| | A20CM013 | | SANDBLASTER, 60CF CAP, W/1.25"D X 50'L HOSE (ADD 450 CFM COMPRESSOR & NOZZLE COST) | 450 CFM | A | | $16,260 | 7.64 | 1.39 | 2.32 | 0.23 | 0.00 | 30 |
| | A20CM014 | | SANDBLASTER, 120CF CAP, W/1.25"D X 50'L HOSE (ADD 700 CFM COMPRESSOR & NOZZLE COST) | 700 CFM | A | | $19,241 | 8.95 | 1.59 | 2.63 | 0.27 | 0.00 | 35 |
| | A20CM015 | | SANDBLASTER, 160CF CAP, W/1.25"D X 50'L HOSE (ADD 900 CFM COMPRESSOR & NOZZLE COST) | 900 CFM | A | | $20,616 | 9.76 | 1.74 | 2.89 | 0.29 | 0.00 | 45 |
| | A20CM016 | | SANDBLAST ABRASIVE STORAGE HOPPER, 700 CF, 8' DEEP,10' WIDE & 23' HIGH (ADD SAND BLASTER & ACCESSORIES) | | | | $13,107 | 6.37 | 1.17 | 1.97 | 0.18 | 0.00 | 69 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | A20WC002 | EHB 10/110 | BREAKER/DRILL, 40 LB, ELECTRIC (ADD 2 KW GENERATOR & BIT COSTS) | 2 HP | E | | $1,395 | 0.96 | 0.13 | 0.21 | 0.02 | 0.11 | 1 |
| | A20WC004 | BHF 30S | BREAKER/DRIVER, 85 LB, W/POWER UNIT (ADD BIT COSTS) | 4 HP | G | | $3,817 | 2.36 | 0.34 | 0.57 | 0.05 | 0.43 | 1 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | A20XX021 | STANDARD 25-30 LBS | PAVEMENT BREAKER, 25-30 LB, HAND HELD | 100 CFM | A | | $1,018 | 0.46 | 0.09 | 0.15 | 0.01 | 0.00 | 1 |
| | A20XX022 | SILENCED 35-45 LBS | PAVEMENT BREAKER, 35-45 LB, HAND HELD | 100 CFM | A | | $1,265 | 0.59 | 0.12 | 0.19 | 0.02 | 0.00 | 1 |
| | A20XX023 | SILENCED 60-65 LBS | PAVEMENT BREAKER, 60-65 LB, HAND HELD | 100 CFM | A | | $1,620 | 0.74 | 0.14 | 0.24 | 0.02 | 0.00 | 1 |
| | A20XX024 | SILENCED 80-90 LBS | PAVEMENT BREAKER, 80-90 LB, HAND HELD | 100 CFM | A | | $1,695 | 0.78 | 0.15 | 0.25 | 0.02 | 0.00 | 1 |

## Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A20* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | |
| | A20XX025 | 55DRY | ROCK DRILL, DRY, 55 LB, HAND HELD | 100 CFM A | | $2,292 | 1.06 | 0.20 | 0.34 | 0.03 | 0.00 | 1 |
| **A25** | **ASPHALT PAVING DISTRIBUTORS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ASPHALT PAVING DISTRIBUTORS** | | | | | | | | | |
| | | | **ROSCO MANUFACTURING CO.** | | | | | | | | | |
| | A25RS006 | MAXIMIZER 11 | ASPHALT DISTRIBUTOR, 2000 GAL, FOR TRUCK MTD (ADD 32,000 GVW TRUCK) | | | $43,499 | 15.81 | 3.87 | 6.52 | 0.61 | 0.00 | 70 |
| | A25RS008 | MAXIMIZER 11 | ASPHALT DISTRIBUTOR, 3100 GAL, FOR TRUCK MTD (ADD 42,000 GVW TRUCK) | | | $50,129 | 18.68 | 4.46 | 7.52 | 0.70 | 0.00 | 97 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | A25XX001 | 1100G | ASPHALT DISTRIBUTOR, 1100 GAL, 400 GPM, FOR TRUCK MTD (ADD 32,000 GVW TRUCK) | | | $43,458 | 15.28 | 3.87 | 6.52 | 0.61 | 0.00 | 64 |
| | A25XX002 | 2600G | ASPHALT DISTRIBUTOR, 2600 GAL, 400 GPM, FOR TRUCK MTD (ADD 32,000 GVW TRUCK) | | | $50,788 | 18.62 | 4.52 | 7.62 | 0.71 | 0.00 | 89 |
| | A25XX003 | 3600G | ASPHALT DISTRIBUTOR, 3600 GAL, 400 GPM, FOR TRUCK MTD (ADD 42,000 GVW TRUCK) | | | $55,512 | 20.79 | 4.95 | 8.33 | 0.78 | 0.00 | 104 |
| **A30** | **ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **SELF PROPELLED** | | | | | | | | | |
| | | | **BARBER-GREENE COMPANY** | | | | | | | | | |
| | A30BG008 | BG210B | ASPHALT PAVER, 8' WIDE SCREED, WHEEL, W/ 15'6" SCREED EXTENSION | 107 HP D-off | | $208,998 | 64.92 | 13.80 | 21.82 | 2.89 | 5.74 | 224 |
| | A30BG007 | BG230 | ASPHALT FINISHER, 8' WIDE SCREED, WHEEL, W/ 15' 6" SCREED EXTENSION | 107 HP D-off | | $264,038 | 81.43 | 17.49 | 27.67 | 3.65 | 5.74 | 335 |
| | A30BG004 | BG225C | ASPHALT FINISHER, 8' WIDE SCREED, CRAWLER, W/ 15' 6" SCREED EXTENSION | 121 HP D-off | | $275,674 | 85.38 | 18.46 | 29.29 | 3.81 | 6.49 | 360 |
| | A30BG009 | BG240C | ASPHALT PAVER, 10' WIDE SCREED, CRAWLER, W/ 19'6" SCREED EXTENSION | 153 HP D-off | | $295,393 | 92.12 | 19.46 | 30.75 | 4.08 | 8.21 | 449 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A30* | | | *BARBER-GREENE COMPANY (continued)* | | | | | | | | | | |
| | A30BG005 | BG245C | ASPHALT FINISHER, 10' WIDE SCREED, CRAWLER, W/ 19' 6" SCREED EXTENSION | 173 HP | D-off | | $331,972 | 104.48 | 22.22 | 35.27 | 4.58 | 9.28 | 396 |
| | A30BG003 | BG260C | ASPHALT FINISHER, 10' WIDE SCREED, WHEEL, W/ 19' 6" SCREED EXTENSION | 174 HP | D-off | | $310,399 | 99.16 | 20.31 | 32.03 | 4.29 | 9.33 | 323 |
| | | | **BLAW KNOX CONSTRUCTION EQUIPMENT CORP.** | | | | | | | | | | |
| | A30BK010 | PF-150 | ASPHALT PAVER/FINISHER, 8' WIDE SCREED, WHEEL | 47 HP | D-off | | $135,210 | 40.50 | 8.92 | 14.09 | 1.87 | 2.52 | 154 |
| | A30BK011 | PF-161 | ASPHALT PAVER/FINISHER, 8' WIDE SCREED, WHEEL | 107 HP | D-off | | $218,181 | 67.42 | 14.41 | 22.80 | 3.01 | 5.74 | 210 |
| | A30BK013 | PF-3172 | ASPHALT PAVER/FINISHER, 10' WIDE SCREED, WHEEL | 145 HP | D-off | | $260,998 | 82.05 | 17.23 | 27.26 | 3.60 | 7.78 | 299 |
| | A30BK015 | PF-3200 | ASPHALT PAVER/FINISHER, 10' WIDE SCREED, WHEEL | 184 HP | D-off | | $300,443 | 95.70 | 19.81 | 31.32 | 4.15 | 9.87 | 340 |
| | A30BK017 | PF-5500 | ASPHALT PAVER/FINISHER, 10' WIDE SCREED, CRAWLER | 184 HP | D-off | | $317,220 | 99.76 | 21.23 | 33.70 | 4.38 | 9.87 | 340 |
| | A30BK018 | PF-5510 | ASPHALT PAVER/FINISHER, 10' WIDE SCREED, CRAWLER | 184 HP | D-off | | $322,363 | 101.16 | 21.58 | 34.25 | 4.45 | 9.87 | 320 |
| | A30BK019 | RW 100 A | ASPHALT PAVER, SHOULDER PAVING MACHINE, 1'-10' WIDE, BITUMINOUS & AGGREGATE, WHEEL | 105 HP | D-off | | $193,855 | 60.44 | 12.86 | 20.36 | 2.68 | 5.63 | 245 |
| | A30BK020 | RW 195 D | ASPHALT PAVER, SHOULDER PAVING MACHINE, 2'-10' WIDE, BITUMINOUS & AGGREGATE, WHEEL | 173 HP | D-off | | $249,922 | 80.68 | 16.61 | 26.31 | 3.45 | 9.28 | 330 |
| | A30BK021 | TITAN 325 EPM | ASPHALT PAVER, 32.8' WIDE, CRAWLER W/ DUAL TAMPER SCREED | 176 HP | D-off | | $570,220 | 168.14 | 38.17 | 60.59 | 7.87 | 9.44 | 399 |
| | A30BK022 | PF-2181 | ASPHALT PAVER, 8' WIDE SCREED, WHEEL, 2 WHEEL DRIVE, 182 CF HOPPER | 145 HP | D-off | | $244,205 | 77.48 | 16.11 | 25.48 | 3.37 | 7.78 | 283 |
| | A30BK023 | PF-4410 | ASPHALT PAVER, 8' WIDE SCREED, CRAWLER, 155 CF HOPPER | 145 HP | D-off | | $271,345 | 84.44 | 18.17 | 28.83 | 3.75 | 7.78 | 269 |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | | |
| | A30CA001 | AP-200B | ASPHALT PAVER, 3-12' WIDE PAVING RANGE, CRAWLER, 6 TON HOPPER | 35 HP | D-off | | $54,935 | 17.51 | 3.68 | 5.84 | 0.76 | 1.88 | 96 |
| | A30CA013 | AP-650B | ASPHALT PAVER, 8' WIDE SCREED, CRAWLER, 177 CF HOPPER | 121 HP | D-off | | $257,304 | 78.87 | 17.22 | 27.34 | 3.55 | 6.49 | 328 |
| | A30CA002 | AP-800C | ASPHALT PAVER, 10' WIDE PAVEMASTER SCREED, WHEEL, 195 CF HOPPER | 107 HP | D-off | | $244,002 | 74.59 | 16.10 | 25.46 | 3.37 | 5.74 | 318 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | ENGINE HORSEPOWER - FUEL TYPE CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A30* | | | *CATERPILLAR INC. ( MACHINE DIVISION) (continued)* | | | | | | | | | | |
| | A30CA014 | AP-900B | ASPHALT PAVER, 10' WIDE SCREED, WHEEL, 215 CF HOPPER | 153 HP | D-off | | $268,644 | 84.83 | 17.67 | 27.91 | 3.71 | 8.21 | 377 |
| | A30CA008 | AP-1000B | ASPHALT PAVER, 10' - 12' WIDE PAVEMASTER SCREED, WHEEL, 215 CF HOPPER | 174 HP | D-off | | $291,770 | 92.61 | 19.25 | 30.43 | 4.03 | 9.33 | 414 |
| | A30CA015 | AP-1050B | ASPHALT PAVER, 10' WIDE EXTEND-A-MAT SCREED, CRAWLER, 215 CF HOPPER | 174 HP | D-off | | $340,692 | 105.43 | 22.80 | 36.20 | 4.70 | 9.33 | 415 |
| | A30CA016 | AP-1055B | ASPHALT PAVER, 10' WIDE SCREED, CRAWLER, 215 CF HOPPER | 174 HP | D-off | | $335,143 | 103.92 | 22.44 | 35.61 | 4.63 | 9.33 | 412 |
| | A30CA009 | AP-1050B | ASPHALT PAVER, 10' - 24' WIDE PAVEMASTER SCREED, CRAWLER, 215 CF HOPPER | 175 HP | D-off | | $356,666 | 109.87 | 23.88 | 37.90 | 4.93 | 9.39 | 443 |
| | | | **VOGELE AMERICA - PRO-PAV DIV.** | | | | | | | | | | |
| | A30CH001 | 780WB | ASPHALT PAVER, 8'0" WIDE SCREED, WHEEL, 190 CF HOPPER | 110 HP | D-off | | $239,796 | 73.53 | 15.86 | 25.09 | 3.31 | 5.90 | 265 |
| | A30CH002 | 880WB | ASPHALT PAVER, 8'0" WIDE SCREED, WHEEL, 190 CF HOPPER | 152 HP | D-off | | $261,540 | 82.70 | 17.27 | 27.32 | 3.61 | 8.15 | 315 |
| | A30CH003 | 880RTB | ASPHALT PAVER, 8'0" WIDE SCREED, CRAWLER-RUBBER TRACK, 190 CF HOPPER | 152 HP | D-off | | $263,392 | 82.78 | 17.64 | 27.99 | 3.64 | 8.15 | 282 |
| | A30CH004 | 1010WB | ASPHALT PAVER, 10'0" WIDE SCREED, WHEEL, 205 CF HOPPER | 152 HP | D-off | | $275,729 | 86.56 | 18.20 | 28.77 | 3.81 | 8.15 | 305 |
| | A30CH005 | 1110WB | ASPHALT PAVER, 10'0" WIDE SCREED, WHEEL, 225 CF HOPPER | 173 HP | D-off | | $300,864 | 95.06 | 19.84 | 31.37 | 4.15 | 9.28 | 343 |
| | A30CH006 | 1110RTB SWIFTRACK | ASPHALT PAVER, 10'0" WIDE SCREED, CRAWLER-RUBBER TRACK, 225 CF HOPPER | 200 HP | D-off | | $351,117 | 110.17 | 23.51 | 37.31 | 4.85 | 10.73 | 402 |
| | | | **CEDARAPIDS INC., A TEREX COMPANY** | | | | | | | | | | |
| | A30EJ001 | CR351 | ASPHALT PAVER, 8'0" WIDE FASTACH SCREED, WHEEL, 145 CF HOPPER | 130 HP | D-off | | $201,962 | 64.69 | 13.32 | 21.06 | 2.79 | 6.97 | 263 |
| | A30EJ002 | CR361 | ASPHALT PAVER, 8'0" WIDE FASTACH SCREED, CRAWLER, 145 CF HOPPER | 130 HP | D-off | | $225,111 | 70.75 | 15.07 | 23.92 | 3.11 | 6.97 | 253 |
| | A30EJ003 | CR451 | ASPHALT PAVER, 10'0" WIDE FASTACH SCREED, WHEEL, 229 CF HOPPER | 172 HP | D-off | | $235,555 | 77.21 | 15.42 | 24.34 | 3.25 | 9.23 | 315 |
| | A30EJ004 | CR461 | ASPHALT PAVER, 10'0" WIDE FASTACH SCREED, CRAWLER, 219 CF HOPPER | 172 HP | D-off | | $259,894 | 83.27 | 17.40 | 27.61 | 3.59 | 9.23 | 356 |
| | A30EJ005 | CR551 | ASPHALT PAVER, 10'0" WIDE FASTACH SCREED, WHEEL, 267 CF HOPPER | 172 HP | D-off | | $263,886 | 84.64 | 16.93 | 26.57 | 3.64 | 9.23 | 341 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A30* | | | *CEDARAPIDS INC., A TEREX COMPANY (continued)* | | | | | | | | | | |
| | A30EJ006 | CR561 | ASPHALT PAVER, 10'0" WIDE FASTACH SCREED, CRAWLER, 267 CF HOPPER | 172 HP | D-off | | $288,274 | 91.01 | 19.30 | 30.63 | 3.98 | 9.23 | 389 |
| | | | **GEHL COMPANY** | | | | | | | | | | |
| | A30GC001 | 1438 | ASPHALT PAVER, 8'0" WIDE SCREED, WHEEL | 25 HP | G | | $29,049 | 11.97 | 1.93 | 3.06 | 0.40 | 2.89 | 64 |
| | A30GC002 | 1448 | ASPHALT PAVER, 8'0" WIDE SCREED, WHEEL | 25 HP | D-off | | $32,172 | 10.58 | 2.14 | 3.39 | 0.44 | 1.34 | 67 |
| | A30GC003 | 1639 | ASPHALT PAVER, 9'0" WIDE SCREED, CRAWLER | 25 HP | G | | $40,859 | 15.17 | 2.73 | 4.34 | 0.56 | 2.89 | 84 |
| | A30GC004 | 1649 | ASPHALT PAVER, 9'0" WIDE SCREED, CRAWLER | 41 HP | D-off | | $44,254 | 15.02 | 2.96 | 4.70 | 0.61 | 2.20 | 85 |
| | **SUBCATEGORY 0.20** | | **TOWED** | | | | | | | | | | |
| | | | **MIDLAND MANUFACTURING INC.** | | | | | | | | | | |
| | A30MY001 | SP-8 | ASPHALT PAVER, SHOULDER PAVING MACHINE, 1'-8' WIDE, BITUMINOUS & AGGREGATE, WHEEL | 80 HP | D-off | | $119,255 | 28.12 | 6.42 | 9.54 | 1.65 | 3.93 | 185 |
| | A30MY002 | SP-10 | ASPHALT PAVER, SHOULDER PAVING MACHINE, 1'-10' WIDE, BITUMINOUS & AGGREGATE, WHEEL | 100 HP | D-off | | $154,799 | 36.27 | 8.34 | 12.38 | 2.15 | 4.92 | 275 |
| | **SUBCATEGORY 0.30** | | **SLURRY SEAL PAVERS (Cold mix)** | | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | A30XX001 | MINIMAC | ASPHALT PAVER, SLURRY SEAL PAVER 8' WIDE, SELF PROPELLED | 110 HP | D-off | | $132,473 | 25.20 | 6.15 | 8.67 | 1.81 | 5.08 | 130 |
| | A30XX002 | MACROPAVER 12B | ASPHALT PAVER, SLURRY SEAL PAVER 8' WIDE (ADD 40,000 GVW TRUCK) | 110 HP | D-off | | $151,657 | 27.23 | 7.13 | 10.11 | 2.07 | 5.08 | 175 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.40** | | **MISCELLANEOUS ROAD EQUIPMENT** | | | | | | | | | |
| | | | **BLAW KNOX CONSTRUCTION EQUIPMENT CORP.** | | | | | | | | | |
| | A30BK024 | MC-330 | ASPHALT PAVER, MOBILE CONVEYOR, 60" WIDE BELT, WHEEL (ADD ASPHALT PAVER UNIT) | 184 HP D-off | | $282,780 | 66.52 | 15.12 | 22.40 | 3.92 | 9.05 | 430 |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | A30CA007 | BG-650 | ASPHALT PAVER, ASPHALT WINDROW ELEVATOR, WHEEL (ADD ASPHALT PAVER UNIT) | 107 HP D-off | | $108,909 | 28.06 | 5.81 | 8.59 | 1.51 | 5.26 | 171 |
| | | | **LEE-BOY** | | | | | | | | | |
| | A30LD001 | 3000 | ASPHALT PAVER, ASPHALT FORCE FEED LOADER, 30" WIDE BELT, WINDROW OR LOOSE, WHEEL (ADD ASPHALT PAVER UNIT) | 110 HP D-off | | $124,972 | 31.38 | 6.65 | 9.84 | 1.73 | 5.41 | 198 |
| | | | **ROADTEC** | | | | | | | | | |
| | A30RT001 | SB-1500 | ASPHALT PAVER, ASPHALT MATERIAL TRANSFER VEHICLE, 15 TON HOPPER, 600 TPH, 65" WIDE CONVEYOR, WHEEL | 275 HP D-off | | $456,297 | 105.59 | 24.57 | 36.48 | 6.33 | 13.52 | 600 |
| | A30RT002 | SB-2500B | ASPHALT PAVER, ASPHALT MATERIAL TRANSFER VEHICLE, 25 TON HOPPER, 1000 TPH 69" WIDE CONVEYOR, WHEEL | 275 HP D-off | | $479,091 | 109.99 | 25.79 | 38.28 | 6.65 | 13.52 | 790 |
| **A35** | **ASPHALT PAVING KETTLES** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ASPHALT PAVING KETTLES** | | | | | | | | | |
| | | | **AEROIL PRODUCTS COMPANY, INC.** | | | | | | | | | |
| | A35AE001 | KEB-80KE | ASPHALT/PAVEMENT KETTLE, 80 GAL, TRAILER W/ PUMP & HOSE | 5 HP G | | $9,194 | 5.54 | 0.73 | 1.18 | 0.14 | 0.54 | 9 |
| | A35AE002 | KEB-115KE | ASPHALT/PAVEMENT KETTLE, 115 GAL, TRAILER W/ PUMP & HOSE | 5 HP G | | $9,511 | 6.33 | 0.75 | 1.22 | 0.14 | 0.54 | 11 |
| | A35AE003 | KEB-170KE | ASPHALT/PAVEMENT KETTLE, 170 GAL, TRAILER W/ PUMP & HOSE | 5 HP G | | $10,171 | 6.89 | 0.81 | 1.32 | 0.15 | 0.54 | 15 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A35* | | | *AEROIL PRODUCTS COMPANY, INC. (continued)* | | | | | | | | | | |
| | A35AE004 | KEB-260KE | ASPHALT/PAVEMENT KETTLE, 260 GAL, TRAILER W/ PUMP & HOSE | 5 HP | G | | $11,115 | 8.09 | 0.89 | 1.45 | 0.16 | 0.54 | 19 |
| | A35AE005 | KEB-360KE | ASPHALT/PAVEMENT KETTLE, 360 GAL, TRAILER W/ PUMP & HOSE | 5 HP | G | | $12,224 | 10.62 | 0.96 | 1.56 | 0.18 | 0.54 | 20 |
| **A40** | **ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS** | | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | | |
| | A40CA008 | PM-465 | ASPHALT COLD PLANER, 75" W X 10.0" D, CRAWLER (ADD CUTTING TEETH COSTS) | 500 HP | D-off | | $438,133 | 204.18 | 35.69 | 58.42 | 6.48 | 37.25 | 505 |
| | A40CA009 | PM-565B | ASPHALT COLD PLANER, 83" W X 12.0" D, CRAWLER (ADD CUTTING TEETH COSTS) | 625 HP | D-off | | $644,191 | 289.14 | 52.48 | 85.89 | 9.53 | 46.56 | 735 |
| | | | **CMI CORPORATION - BID-WELL DIVISION** | | | | | | | | | | |
| | A40CW001 | PR-1050 | ASPHALT PROFILER, MAX 12.5' W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS) | 1,030 HP | D-off | | $772,152 | 374.76 | 62.90 | 102.95 | 11.42 | 76.74 | 1,065 |
| | | | **ROADTEC** | | | | | | | | | | |
| | A40RT001 | RX-20B | ASPHALT COLD PLANER, 40" W X 10" D, WHEEL (ADD CUTTING TEETH COSTS) | 230 HP | D-off | | $296,838 | 127.12 | 23.95 | 39.11 | 4.39 | 17.14 | 324 |
| | A40RT002 | RX-25 | ASPHALT COLD PLANER, 52" W X 8" D, CRAWLER (ADD CUTTING TEETH COSTS) | 250 HP | D-off | | $388,431 | 161.61 | 31.64 | 51.79 | 5.74 | 18.63 | 420 |
| | A40RT003 | RX-45B | ASPHALT COLD PLANER, 78" W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS) | 460 HP | D-off | | $480,423 | 215.02 | 39.13 | 64.06 | 7.10 | 34.27 | 617 |
| | A40RT004 | RX-60B | ASPHALT COLD PLANER, 86" W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS) | 800 HP | D-off | | $616,444 | 296.95 | 50.22 | 82.19 | 9.12 | 59.60 | 918 |
| | A40RT005 | RX-68B | ASPHALT COLD PLANER, 98" W X 12" D, CRAWLER (ADD CUTTING TEETH COSTS) | 800 HP | D-off | | $656,265 | 310.95 | 53.46 | 87.50 | 9.71 | 59.60 | 830 |
| | A40RT006 | RX-70B | ASPHALT COLD PLANER, 150" W X 8" D, CRAWLER (ADD CUTTING TEETH COSTS) | 800 HP | D-off | | $726,833 | 335.75 | 59.21 | 96.91 | 10.75 | 59.60 | 920 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A45 | ASPHALT RECYCLERS & SEALERS | | | | | | | | | | | | |
| | SUBCATEGORY 0.00 | | ASPHALT RECYCLERS & SEALERS | | | | | | | | | | |
| | | | AEROIL PRODUCTS COMPANY, INC. | | | | | | | | | | |
| | A45AE001 | HEPR-52V | ASPHALT RESURFACER-PATCHER, 4' WIDE, 17.3 SF, 600,000 BTU INFRA-RED HEATER, TRAILER MTD | | | | $8,168 | 10.30 | 0.76 | 1.28 | 0.12 | 0.00 | 11 |
| | A45AE002 | HEPR-96V | ASPHALT RESURFACER-PATCHER, 8' WIDE, 32.0 SF, 1,200,000 BTU INFRA-RED HEATER, TRAILER MTD | | | | $15,950 | 20.52 | 1.50 | 2.52 | 0.24 | 0.00 | 16 |
| | A45AE003 | HEPR-120V | ASPHALT RESURFACER-PATCHER, 10' WIDE, 40.0 SF, 1,420,000 BTU INFRA-RED HEATER, TRAILER MTD | | | | $18,797 | 24.26 | 1.78 | 2.98 | 0.29 | 0.00 | 17 |
| | | | ROSCO MANUFACTURING CO. | | | | | | | | | | |
| | A45RS001 | RA-2000 | ASPHALT SPRAY PATCHER, TRAILER MTD, 300 GAL | 85 HP | D-off | | $38,483 | 21.25 | 3.63 | 6.07 | 0.59 | 4.18 | 60 |
| | A45RS002 | RA-300 | ASPHALT SPRAY PATCHER, TRUCK MTD, 400 GAL | 210 HP | D-on | | $125,514 | 66.30 | 11.95 | 20.08 | 1.91 | 12.06 | 179 |
| | | | SEALMASTER, INC. | | | | | | | | | | |
| | A45SE002 | SP200 DUAL | ASPHALT SEALCOATER, 200 GAL, 108" WIDE DUAL SPRAY, SQUEEGEE | 20 HP | G | | $25,072 | 14.14 | 2.38 | 3.99 | 0.38 | 2.15 | 28 |
| | A45SE003 | SP300 DUAL | ASPHALT SEALCOATER, 300 GAL, 108" WIDE DUAL SPRAY, SQUEEGEE | 30 HP | D-off | | $35,084 | 17.80 | 3.31 | 5.55 | 0.53 | 1.48 | 39 |
| | A45SE004 | TR-1000 | ASPHALT SEALER, 1000 GAL TANK TRAILER | 16 HP | G | | $18,240 | 9.99 | 1.68 | 2.79 | 0.28 | 1.72 | 52 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B10 | BATCH PLANTS, ASPHALT & CONCRETE | | | | | | | | | | | | |
| | SUBCATEGORY 0.20 | | CONCRETE | | | | | | | | | | |
| | | | CEMEN TECH | | | | | | | | | | |
| | B10CC007 | MCD2-50HT | BATCH PLANT, CONCRETE DISPENSER, 15 CY/HR MAX, W/TWO AGGREGATE BINS, 2 CY/ 1 CY CEMENT BIN/ 7' LONG SLOPING 8" DIA SCREW WET MIXER/DELIVERER/ 250 GAL WATER TANK/ & METERING PUMP, 2 CY LOAD, TRAILER MTD | 18 HP | G | | $32,239 | 14.28 | 2.03 | 3.14 | 0.46 | 1.93 | 80 |
| | B10CC008 | MCD5-100H | BATCH PLANT, CONCRETE DISPENSER, 30 CY/HR MAX, W/TWO AGGREGATE BINS, 5.5 CY/ 1.9 CY CEMENT BIN/ 9' LONG SLOPING 9" DIA SCREW WET MIXER/DELIVERER/ 250 GAL WATER TANK/ & METERING PUMP, 5 CY LOAD, TRUCK MTD | 163 HP | G | | $72,350 | 47.52 | 4.38 | 6.69 | 1.03 | 17.48 | 132 |
| | B10CC009 | MCD8-100H | BATCH PLANT, CONCRETE DISPENSER, 30 CY/HR MAX, W/TWO AGGREGATE BINS, 9.3 CY/ 3.1 CY CEMENT BIN/ 9' LONG SLOPING 12" DIA SCREW WET MIXER/DELIVERER/ 250 GAL WATER TANK/ & METERING PUMP, 8 CY LOAD, TRUCK MTD | 200 HP | G | | $97,686 | 60.26 | 5.82 | 8.85 | 1.39 | 21.45 | 194 |
| | B10CC010 | MCD8-150H | BATCH PLANT, CONCRETE DISPENSER, 60 CY/HR MAX, W/TWO AGGREGATE BINS, 9.6 CY/ 3.1 CY CEMENT BIN/ 9' LONG SLOPING 12" DIA SCREW WET MIXER/DELIVERER/ 250 GAL WATER TANK/ & METERING PUMP, 8 CY LOAD, TRUCK MTD | 200 HP | G | | $106,640 | 62.91 | 6.40 | 9.75 | 1.52 | 21.45 | 204 |
| | B10CC012 | 210 BBL | BATCH PLANT, SILO, CEMENT, 830 CF, 210 BARREL (BATCH PLANT ATTACHMENT) | 18 HP | G | | $19,850 | 8.75 | 1.28 | 1.99 | 0.28 | 1.93 | 35 |
| | B10CC011 | HS-240 | BATCH PLANT, SILO, CEMENT, 38 TON HORIZONTAL 240 BARREL (BATCH PLANT ATTACHMENT) | 20 HP | E | | $20,095 | 8.00 | 1.30 | 2.01 | 0.29 | 1.05 | 45 |
| | B10CC013 | 300 BBL | BATCH PLANT, SILO, CEMENT, 1200 CF, 300 BARRL (BATCH PLANT ATTACHMENT) | 18 HP | G | | $23,941 | 9.88 | 1.54 | 2.39 | 0.34 | 1.93 | 48 |
| | B10CC014 | | BATCH PLANT, CEMENT LOADING AUGER, 6" DIA, 19' LONG (BATCH PLANT ATTACHMENT) | 5 HP | E | | $6,225 | 2.57 | 0.40 | 0.62 | 0.09 | 0.26 | 10 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **CON-E-CO** | | | | | | | | | | |
| | B10CL025 | MTM 12 | BATCH PLANT, CONCRETE MIXER, 12 CY, TILT DRUM, 11.67' DIA, REMOVABLE AXLES, TRAILER MTD (ADD DRY BATCH PLANT) | 200 HP | E | | $250,211 | 83.12 | 16.00 | 24.88 | 3.56 | 10.53 | 130 |
| | B10CL021 | VERSA-PLANT 10 | BATCH PLANT, CONCRETE AGGREGATE DRY, 40CY/HR, 10 CY AGGREGATE BATCHER, W/ 30" X 40' LOADING CONVEYOR, SCALES & WATER METER INCLUDED, TRAILER MTD (ADD 5 KW GENERATOR, WATER TANK & WET BATCHER) | 35 HP | E | | $76,244 | 23.22 | 4.78 | 7.40 | 1.08 | 1.84 | 190 |
| | B10CL015 | PLP MODEL 12 | BATCH PLANT, CONCRETE AGGREGATE DRY, 200 CY/HR, W/ TWO AGGREGATE BINS, 81 TON, 60 CY/ 36"X20' CONVEYOR/ 3 BIN 12 CY AGGREGATE BATCHER/ 30"X33.5' LOADING CONVEYOR/ & 475 BARREL, 88 TON CEMENT SILO, TRAILER MTD (ADD 110 KW GENERATOR) | 30 HP | E | | $142,876 | 43.05 | 8.98 | 13.89 | 2.03 | 1.58 | 380 |
| | B10CL005 | LO-PRO 10T-CM | BATCH PLANT, CONCRETE AGGREGATE DRY, 275 CY/HR, W/ TWO AGGREGATE BINS, 65 TON, 50 CY/ 36"X20' CONVEYOR/ 10 CY AGGREGATE BATCHER/ 36"X36' LOADING CONVEYOR/ & 215 BARREL, 35 TON CEMENT SILO, TRAILER MTD (ADD 140 KW GENERATOR) | 120 HP | E | | $168,409 | 56.78 | 10.62 | 16.43 | 2.40 | 6.32 | 410 |
| | B10CL006 | LO-PRO 12T-CM | BATCH PLANT, CONCRETE AGGREGATE DRY, 275 CY/HR, W/ TWO AGGREGATE BINS, 65 TON, 50 CY/ 36"X20' CONVEYOR/ 12 CY AGGREGATE BATCHER/ 36"X36' LOADING CONVEYOR/ & 215 BARREL, 35 TON CEMENT SILO, TRAILER MTD (ADD 140 KW GENERATOR) | 120 HP | E | | $203,874 | 66.22 | 12.89 | 19.97 | 2.90 | 6.32 | 426 |
| | B10CL027 | | BATCH PLANT, CEMENT SILO, 1910 CF, 475 BARREL (BATCH PLANT ATTACHMENT) | | | | $18,328 | 4.89 | 1.18 | 1.83 | 0.26 | 0.00 | 144 |
| | B10CL042 | | BATCH PLANT, SCREW CONVEYOR, 6" DIA, 10' LONG (CEMENT SILO ATTACHMENT) | 5 HP | E | | $2,888 | 1.18 | 0.19 | 0.29 | 0.04 | 0.26 | 5 |
| | B10CL045 | | BATCH PLANT, SCREW CONVEYOR, 6" DIA, 20' LONG (CEMENT SILO ATTACHMENT) | 10 HP | E | | $3,673 | 1.81 | 0.24 | 0.37 | 0.05 | 0.53 | 11 |
| | B10CL036 | | BATCH PLANT, SCREW CONVEYOR, 9" DIA, 10' LONG (CEMENT SILO ATTACHMENT) | 8 HP | E | | $3,141 | 1.48 | 0.20 | 0.31 | 0.04 | 0.42 | 9 |
| | B10CL040 | | BATCH PLANT, SCREW CONVEYOR, 9" DIA, 20' LONG (CEMENT SILO ATTACHMENT) | 20 HP | E | | $4,326 | 2.79 | 0.28 | 0.43 | 0.06 | 1.05 | 16 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B10* | | | *CON-E-CO (continued)* | | | | | | | | | | |
| | B10CL032 | | BATCH PLANT, SCREW CONVEYOR, 12" DIA, 10' LONG (CEMENT SILO ATTACHMENT) | 10 HP | E | | $3,763 | 1.83 | 0.24 | 0.38 | 0.05 | 0.53 | 10 |
| | B10CL034 | | BATCH PLANT, SCREW CONVEYOR, 12" DIA, 20' LONG (CEMENT SILO ATTACHMENT) | 20 HP | E | | $7,526 | 3.65 | 0.49 | 0.75 | 0.11 | 1.05 | 20 |
| | | | **EXCEL MACHINERY LTD.** | | | | | | | | | | |
| | B10EM001 | EXCEL PORT-A-PUG | BATCH PLANT, CONCRETE CONTINUOUS PUGG MILL MIXER, 400 CY/HR MAX, W/ 12 CY AGGREGATE STORAGE BIN/ 48"X18' METERING CONVEYOR/ CEMENT SILO, 44 TON, 34.8 CY/ 30" X 37' CONVEYOR, TRAILER MTD (ADD 200 KW GENERATOR) | 25 HP | G | | $376,952 | 106.82 | 23.81 | 36.90 | 5.36 | 2.68 | 590 |
| | B10EM002 | | BATCH PLANT, CEMENT SILO, 55 TON HORIZONTAL 350 BARREL (BATCH PLANT ATTACHMENT) | 20 HP | E | | $6,835 | 4.41 | 0.32 | 0.44 | 0.10 | 1.05 | 45 |
| | B10EM003 | | BATCH PLANT, CEMENT SILO, 2200 CF (BARREL CAP 550 MAX / 450 MIN) W/ DRIVE-THRU TYPE UNDERSTRUCTURE (BATCH PLANT ATTACHMENT) | | | | $22,687 | 6.05 | 1.46 | 2.27 | 0.32 | 0.00 | 222 |
| | | | **ROSS COMPANY** | | | | | | | | | | |
| | B10RC007 | BANDIT 5 | BATCH PLANT, CONCRETE AGGREGATE DRY, 100 CY/HR, W/ TWO AGGREGATE BINS, 65 TON, 48 CY/ 36" X 20' CONVEYOR/ 2 BIN 5 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 257 BARREL, 48 TON CEMENT SILO, TRAILER MTD (ADD 100 KW GENERATOR) | 15 HP | E | | $124,073 | 36.79 | 7.83 | 12.11 | 1.77 | 0.79 | 3,000 |
| | B10RC032 | RUSTLER III | BATCH PLANT, CONCRETE AGGREGATE DRY, 160 CY/HR, W/ TWO AGGREGATE BINS, 28 TON, 21 CY/ 2 BIN 12 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 400 BARREL, 75 TON CEMENT SILO, TRAILER MTD (ADD 130 KW GENERATOR) | 50 HP | E | | $190,246 | 59.27 | 11.97 | 18.51 | 2.71 | 2.63 | 536 |
| | B10RC006 | RUSTLER II | BATCH PLANT, CONCRETE AGGREGATE DRY, 160 CY/HR, W/ 3 AGGREGATE BINS, 71 TON, 52 CY/ 36" X 20' CONVEYOR/ 3 BIN 12 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ 375 BARREL, 70 TON CEMENT SILO, TRAILER MTD (ADD 130KW GENERATOR) | 46 HP | E | | $173,657 | 54.48 | 10.90 | 16.85 | 2.47 | 2.40 | 489 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B10* | | | *ROSS COMPANY (continued)* | | | | | | | | | | |
| | B10RC008 | BANDIT 12 BTR | BATCH PLANT, CONCRETE AGGREGATE DRY, 200 CY/HR, W/ THREE AGGREGATE BINS, 65 TON, 48 CY/ 36" X 20' CONVEYOR/ 3 BIN 12 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 720 BARREL, 134 TON CEMENT SILO, TRAILER MTD (ADD 100 KW GENERATOR) | 30 HP | E | | $145,877 | 43.85 | 9.23 | 14.30 | 2.08 | 1.58 | 250 |
| | B10RC027 | | BATCH PLANT, CONCRETE MIXER, 4.5 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT) | 40 HP | E | | $133,603 | 40.92 | 8.58 | 13.36 | 1.90 | 2.11 | 34 |
| | B10RC028 | | BATCH PLANT, CONCRETE MIXER, 6.0 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT) | 60 HP | E | | $150,033 | 47.18 | 9.63 | 15.00 | 2.13 | 3.16 | 45 |
| | B10RC029 | | BATCH PLANT, CONCRETE MIXER, 8.0 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT) | 80 HP | E | | $169,506 | 54.27 | 10.89 | 16.95 | 2.41 | 4.21 | 60 |
| | B10RC030 | | BATCH PLANT, CONCRETE MIXER, 10.0 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT) | 100 HP | E | | $184,620 | 61.20 | 11.86 | 18.46 | 2.63 | 5.27 | 75 |
| | B10RC031 | | BATCH PLANT, CONCRETE MIXER, 12.0 CY, TILT DRUM, SKID MTD (ADD DRY BATCH PLANT) | 120 HP | E | | $194,844 | 65.81 | 12.51 | 19.48 | 2.77 | 6.32 | 90 |
| | B10RC016 | MOBILE MIXER | BATCH PLANT, CONCRETE MIXER, 4.5CY, TILT DRUM TYPE, REVOLVING LIFT STAND, TRAILER MTD (ADD DRY BATCH PLANT & POWER) | 75 HP | E | | $214,338 | 68.73 | 13.51 | 20.91 | 3.05 | 3.95 | 420 |
| | | | **STEPHENS MANUFACTURING CO., INC.** | | | | | | | | | | |
| | B10SN031 | DC-12 | BATCH PLANT, CONCRETE AGGREGATE DRY, 100 CY/HR, W/ 2 BIN 12 CY BATCHER/ 24" X 41' LOADING CONVEYOR/ & 311 BARREL, 58 TON CEMENT SILO, TRAILER MTD (ADD 100 KW GENERATOR) | 15 HP | E | | $43,821 | 14.18 | 2.54 | 3.83 | 0.62 | 0.79 | 340 |
| | B10SN033 | DC COLT | BATCH PLANT, CONCRETE AGGREGATE DRY, 100 CY/HR, W/ 2 BIN 12 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 311 BARREL, 58 TON CEMENT SILO, TRAILER MTD (ADD 100 KW GENERATOR) | 30 HP | E | | $87,055 | 27.10 | 5.32 | 8.16 | 1.24 | 1.58 | 340 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B10* | | | *STEPHENS MANUFACTURING CO., INC. (continued)* | | | | | | | | | | |
| | B10SN032 | MUSTANG 5 | BATCH PLANT, CONCRETE AGGREGATE DRY, 160 CY/HR, W/ 3 AGGREGATE STORAGE BINS, 29.6 TON, 40 CY/ 3 BIN 5 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 251 BARREL, 47 TON CEMENT SILO, TRAILER MTD (ADD 115 KW GENERATOR) | 30 HP | E | | $103,614 | 31.75 | 6.37 | 9.80 | 1.47 | 1.58 | 420 |
| | B10SN034 | STALLION | BATCH PLANT, CONCRETE AGGREGATE DRY, 160 CY/HR, W/ 3 AGGREGATE BIN STORAGE, 65 TON, 48 CY/ 2 BIN 10 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 374 BARREL, 70 TON CEMENT SILO, TRAILER MTD (ADD 100 KW GENERATOR) | 20 HP | E | | $100,506 | 29.85 | 6.18 | 9.49 | 1.43 | 1.05 | 360 |
| | B10SN036 | MUSTANG 10 | BATCH PLANT, CONCRETE AGGREGATE DRY, 160 CY/HR, W/ 3 AGGREGATE BIN STORAGE, 75 TON, 55 CY/ 2 BIN 10 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 351 BARREL, 65 TON CEMENT SILO, TRAILER MTD (ADD 115 KW GENERATOR) | 45 HP | E | | $135,516 | 41.49 | 8.43 | 12.99 | 1.93 | 2.37 | 500 |
| | B10SN035 | THOROUGH-BRED | BATCH PLANT, CONCRETE AGGREGATE DRY, 180 CY/HR, W/ 4 AGGREGATE BIN STORAGE, 65 TON, 48 CY/ 2 BIN 12 CY BATCHER/ 30" X 33.5' LOADING CONVEYOR/ & 374 BARREL, 70 TON CEMENT SILO, TRAILER MTD (ADD 100 KW GENERATOR) | 20 HP | E | | $110,877 | 32.78 | 6.85 | 10.53 | 1.58 | 1.05 | 300 |
| | **SUBCATEGORY 0.30** | | **PUGMILL** | | | | | | | | | | |
| | | | **KOLBERG - PIONEER, INC** | | | | | | | | | | |
| | B10KB001 | 52 PORTABLE PUGMILL | BATCH PLANT, PUGMILL, CONTINUOUS MIXER, 48" DIA TWIN SHAFT X 6' LONG, W/ 9 CY FEEDER HOPPER/ 36" X 11.5' BELT FEEDER/ 30" X 27' CONVEYOR/ WATER OR ASPHALT PUMP & METER (ADD 95 KW GENERATOR & ANY MATERIAL FEEDS) | 95 HP | E | | $123,156 | 34.50 | 6.54 | 9.66 | 1.71 | 5.00 | 190 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | ENGINE HORSEPOWER - FUEL TYPE CARRIER | | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B10* | | | *KOLBERG - PIONEER, INC (continued)* | | | | | | | | | | | |
| | B10KB002 | 52S PORTABLE PUGMILL | BATCH PLANT, PUGMILL, CONTINUOUS MIXER, 48" DIA TWIN SHAFT X 8' LONG, W/ 13 CY FEEDER HOPPER/ TWO - 36" X 11.5' BELT FEEDERS/ 2ND 11 CY FEEDER HOPPER/ 30" X 27' CONVEYOR/ WATER OR ASPHALT PUMP & METER (ADD 220 KW GENERATOR & ANY MATERIAL FEEDS) | 220 HP | E | | | $226,211 | 67.02 | 12.09 | 17.89 | 3.14 | 11.58 | 230 |
| **B15** | **BROOMS, STREET SWEEPERS & FLUSHERS** | | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **BROOMS, STREET SWEEPERS & FLUSHERS** | | | | | | | | | | | |
| | | | **BROCE MANUFACTURING COMPANY** | | | | | | | | | | | |
| | B15BM001 | RJ-350 | BROOM, SELF PROPELLED PAVEMENT, 96" BROOM LENGTH | 80 HP | D-off | | | $26,179 | 11.77 | 1.83 | 2.95 | 0.35 | 3.93 | 45 |
| | | | **ELGIN SWEEPER COMPANY** | | | | | | | | | | | |
| | B15EC002 | PELICAN P | STREET SWEEPER, 68" BROOM LENGTH, 36", 3 CY HOPPER, 180 GAL WATER TANK | 100 HP | D-off | | | $91,936 | 29.41 | 6.33 | 10.20 | 1.23 | 4.92 | 128 |
| | B15EC001 | EAGLE F | STREET SWEEPER, 280" BROOM LENGTH, 4 CY HOPPER, 280 GAL WATER TANK, DUAL ENGINE | 49 HP | D-off | 170 HP | D-on | $144,665 | 41.94 | 9.96 | 16.03 | 1.94 | 4.48 | 150 |
| | | | **FIVE STAR MANUFACTURING CO/ELGIN SWEEPER** | | | | | | | | | | | |
| | B15FS001 | BROOM BEAR FL42H | STREET SWEEPER, 58" BROOM LENGTH, 44", 4 CY HOPPER, 350 GAL WATER TANK | 230 HP | D-off | | | $148,753 | 52.06 | 10.34 | 16.69 | 1.99 | 11.31 | 213 |
| | | | **JOHNSTON SWEEPER COMPANY** | | | | | | | | | | | |
| | B15JS001 | 2000T | STREET SWEEPER, 33" BROOM LENGTH, 2 CY HOPPER, 41 GAL WATER TANK | 94 HP | D-off | | | $79,704 | 25.96 | 5.53 | 8.92 | 1.07 | 4.62 | 53 |
| | B15JS002 | J4000 | STREET SWEEPER, 58" BROOM LENGTH, 44", 5 CY HOPPER, 220 GAL WATER TANK | 190 HP | D-off | | | $144,373 | 48.37 | 9.96 | 16.05 | 1.93 | 9.34 | 150 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **M-B COMPANIES, INC.** | | | | | | | | | |
| | B15MB001 | MT | STREET SWEEPER, 7' BROOM LENGTH, W/SPRINKLER, PTO DRIVE (ADD 45-100HP TRACTOR) | | | $6,436 | 1.69 | 0.45 | 0.72 | 0.09 | 0.00 | 10 |
| | B15MB002 | HT | STREET SWEEPER, 7' BROOM LENGTH, W/SPRINKLER, PTO DRIVE (ADD 45-100HP TRACTOR) | | | $8,341 | 2.20 | 0.58 | 0.94 | 0.11 | 0.00 | 14 |
| | B15MB003 | 53T | STREET SWEEPER, 7' BROOM LENGTH, W/SPRINKLER, TOWED, HYDRAULIC (ADD TOWING UNIT) | | | $12,006 | 3.20 | 0.82 | 1.31 | 0.16 | 0.00 | 18 |
| | B15MB004 | 53MH | STREET SWEEPER, 7' BROOM LENGTH, W/SPRINKLER, TOWED (ADD TOWING UNIT) | 18 HP G | | $13,987 | 5.96 | 0.96 | 1.54 | 0.19 | 1.93 | 17 |
| | | | **ROSCO MANUFACTURING CO.** | | | | | | | | | |
| | B15RS005 | CHALLENGER II | STREET SWEEPER, 7' BROOM LENGTH, SELF PROPELLED, 12 GALLON | 80 HP D-off | | $41,947 | 15.69 | 2.90 | 4.67 | 0.56 | 3.93 | 75 |
| | B15RS001 | RB-48 | STREET SWEEPER, 8' BROOM LENGTH, SELF PROPELLED | 80 HP D-off | | $32,797 | 13.42 | 2.26 | 3.63 | 0.44 | 3.93 | 52 |
| | | | **TERRAMITE CONSTRUCTION EQUIPMENT** | | | | | | | | | |
| | B15TB001 | TSS36 | STREET SWEEPER, 6' BROOM LENGTH, SELF PROPELLED | 45 HP D-off | | $21,051 | 8.20 | 1.45 | 2.34 | 0.28 | 2.21 | 34 |
| | B15TB002 | TSS38 | STREET SWEEPER, 8' BROOM LENGTH, SELF PROPELLED | 45 HP D-off | | $21,200 | 8.24 | 1.46 | 2.36 | 0.28 | 2.21 | 34 |
| | | | **WALDON, INC.** | | | | | | | | | |
| | B15WD001 | SWEEPMASTER 250 | BROOM, SELF PROPELLED PAVEMENT, 90" BROOM LENGTH | 80 HP D-off | | $30,254 | 12.80 | 2.09 | 3.35 | 0.41 | 3.93 | 48 |
| | B15WD002 | SWEEPMASTER 250 | BROOM, SELF PROPELLED PAVEMENT, 90" BROOM LENGTH, 180 GAL WATER TANK | 80 HP D-off | | $32,260 | 13.29 | 2.22 | 3.57 | 0.43 | 3.93 | 48 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | ENGINE HORSEPOWER - FUEL TYPE CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **B20** | **BRUSH CHIPPERS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **BRUSH CHIPPERS** | | | | | | | | | | |
| | | | **BANDIT INDUSTRIES, INC.** | | | | | | | | | | |
| | B20BN001 | 65 | BRUSH CHIPPER, 6" CAPACITY, DISC TYPE, TRAILER MTD | 20 HP | G | | $9,822 | 5.57 | 0.68 | 1.10 | 0.13 | 2.15 | 18 |
| | B20BN002 | 90W-XP | BRUSH CHIPPER, 9" CAPACITY, DISC TYPE, TRAILER MTD | 37 HP | G | | $15,342 | 9.59 | 1.08 | 1.73 | 0.21 | 3.97 | 32 |
| | B20BN003 | 150XP | BRUSH CHIPPER, 12" CAPACITY, DISC TYPE, TRAILER MTD | 70 HP | G | | $19,106 | 15.51 | 1.34 | 2.15 | 0.26 | 7.51 | 44 |
| | B20BN004 | 254 | BRUSH CHIPPER, 14" CAPACITY, DISC TYPE, TRAILER MTD | 125 HP | D-off | | $29,718 | 16.09 | 2.07 | 3.34 | 0.40 | 6.15 | 78 |
| | B20BN005 | 1290 | BRUSH CHIPPER, 12" CAPACITY, DRUM TYPE, TRAILER MTD | 65 HP | G | | $17,296 | 14.28 | 1.21 | 1.95 | 0.23 | 6.97 | 44 |
| | B20BN006 | 1690 | BRUSH CHIPPER, 16" CAPACITY, DRUM TYPE, TRAILER MTD | 119 HP | G | | $18,345 | 22.64 | 1.28 | 2.06 | 0.25 | 12.76 | 44 |
| | B20BN007 | 1890 | BRUSH CHIPPER, 18" CAPACITY, DRUM TYPE, TRAILER MTD | 125 HP | D-off | | $33,603 | 17.11 | 2.34 | 3.78 | 0.45 | 6.15 | 78 |
| | | | **MORBARK, INC.** | | | | | | | | | | |
| | B20MQ001 | 2070XL | BRUSH CHIPPER, 7" CAPACITY, DISC TYPE, TRAILER MTD | 86 HP | D-off | | $18,456 | 10.54 | 1.28 | 2.05 | 0.25 | 4.23 | 40 |
| | B20MQ003 | 13 | BRUSH CHIPPER, 13" CAPACITY, DISC TYPE, TRAILER MTD | 125 HP | D-off | | $25,636 | 15.01 | 1.77 | 2.85 | 0.34 | 6.15 | 68 |
| | B20MQ004 | 2400XL | BRUSH CHIPPER, 15-17" CAPACITY, DISC TYPE, TRAILER MTD | 125 HP | D-off | | $29,907 | 16.12 | 2.04 | 3.27 | 0.40 | 6.15 | 94 |
| | B20MQ005 | 22 RXL | BRUSH CHIPPER, LOG CHIPPER, 22" CAPACITY, TRAILER MTD | 650 HP | D-off | | $327,613 | 130.49 | 22.67 | 36.56 | 4.39 | 31.96 | 700 |
| **B25** | **BUCKETS, CLAMSHELL** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **BUCKETS, CLAMSHELL** | | | | | | | | | | |
| | | | **HAWCO MANUFACTURING COMPANY, LLC** | | | | | | | | | | |
| | B25HB001 | HD-050 | BUCKET, CLAMSHELL, 0.50 CY, HEAVY DUTY/DIGGING | | | | $15,208 | 3.59 | 1.06 | 1.71 | 0.20 | 0.00 | 30 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B25* | | | *HAWCO MANUFACTURING COMPANY, LLC (continued)* | | | | | | | | | |
| | B25HB003 | HD-100 | BUCKET, CLAMSHELL, 1.00 CY, HEAVY DUTY/DIGGING | | | $24,433 | 5.78 | 1.71 | 2.75 | 0.33 | 0.00 | 48 |
| | B25HB005 | HD-150 | BUCKET, CLAMSHELL, 1.50 CY, HEAVY DUTY/DIGGING | | | $31,717 | 7.49 | 2.21 | 3.57 | 0.42 | 0.00 | 66 |
| | B25HB007 | HD-200 | BUCKET, CLAMSHELL, 2.00 CY, HEAVY DUTY/DIGGING | | | $37,441 | 8.85 | 2.61 | 4.21 | 0.50 | 0.00 | 78 |
| | B25HB008 | HD-250 | BUCKET, CLAMSHELL, 2.50 CY, HEAVY DUTY/DIGGING | | | $43,642 | 10.31 | 3.04 | 4.91 | 0.58 | 0.00 | 91 |
| | B25HB009 | HD-300 | BUCKET, CLAMSHELL, 3.00 CY, HEAVY DUTY/DIGGING | | | $48,063 | 11.36 | 3.35 | 5.41 | 0.64 | 0.00 | 103 |
| | B25HB010 | HD-350 | BUCKET, CLAMSHELL, 3.50 CY, HEAVY DUTY/DIGGING | | | $50,489 | 11.94 | 3.52 | 5.68 | 0.68 | 0.00 | 131 |
| | B25HB011 | HD-400 | BUCKET, CLAMSHELL, 4.00 CY, HEAVY DUTY/DIGGING | | | $51,797 | 12.24 | 3.61 | 5.83 | 0.69 | 0.00 | 145 |
| | B25HB012 | HD-450 | BUCKET, CLAMSHELL, 4.50 CY, HEAVY DUTY/DIGGING | | | $54,727 | 12.94 | 3.81 | 6.16 | 0.73 | 0.00 | 165 |
| | B25HB013 | HD-500 | BUCKET, CLAMSHELL, 5.00 CY, HEAVY DUTY/DIGGING | | | $56,506 | 13.36 | 3.94 | 6.36 | 0.76 | 0.00 | 173 |
| | B25HB014 | HD-550 | BUCKET, CLAMSHELL, 5.50 CY, HEAVY DUTY/DIGGING | | | $59,046 | 13.95 | 4.11 | 6.64 | 0.79 | 0.00 | 178 |
| | B25HB015 | HD-600 | BUCKET, CLAMSHELL, 6.00 CY, HEAVY DUTY/DIGGING | | | $61,096 | 14.44 | 4.26 | 6.87 | 0.82 | 0.00 | 199 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | B25XX001 | 1/4SSN | BUCKET, CLAMSHELL, 0.20 CY, SQUARE NOSE, STANDARD | | | $6,870 | 1.62 | 0.48 | 0.77 | 0.09 | 0.00 | 14 |
| | B25XX002 | 1/2SSN | BUCKET, CLAMSHELL, 0.50 CY, SQUARE NOSE, STANDARD | | | $10,145 | 2.40 | 0.71 | 1.14 | 0.14 | 0.00 | 27 |
| | B25XX003 | 3/4SSN | BUCKET, CLAMSHELL, 0.70 CY, SQUARE NOSE, STANDARD | | | $12,500 | 2.96 | 0.88 | 1.41 | 0.17 | 0.00 | 35 |
| | B25XX004 | 1SSN | BUCKET, CLAMSHELL, 1.00 CY, SQUARE NOSE, STANDARD | | | $13,664 | 3.23 | 0.95 | 1.54 | 0.18 | 0.00 | 43 |
| | B25XX005 | 1-1/4SSN | BUCKET, CLAMSHELL, 1.20 CY, SQUARE NOSE, STANDARD | | | $15,925 | 3.76 | 1.11 | 1.79 | 0.21 | 0.00 | 49 |
| | B25XX006 | 1-1/2SSN | BUCKET, CLAMSHELL, 1.50 CY, SQUARE NOSE, STANDARD | | | $17,874 | 4.23 | 1.25 | 2.01 | 0.24 | 0.00 | 64 |
| | B25XX007 | 1-3/4SSN | BUCKET, CLAMSHELL, 1.70 CY, SQUARE NOSE, STANDARD | | | $19,095 | 4.52 | 1.34 | 2.15 | 0.26 | 0.00 | 67 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B25* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | |
| | B25XX008 | 2SSN | BUCKET, CLAMSHELL, 2.00 CY, SQUARE NOSE, STANDARD | | | $22,327 | 5.28 | 1.56 | 2.51 | 0.30 | 0.00 | 76 |
| | B25XX009 | 2-1/2SSN | BUCKET, CLAMSHELL, 2.50 CY, SQUARE NOSE, STANDARD | | | $23,382 | 5.52 | 1.63 | 2.63 | 0.31 | 0.00 | 92 |
| | B25XX010 | 3SSN | BUCKET, CLAMSHELL, 3.00 CY, SQUARE NOSE, STANDARD | | | $24,902 | 5.88 | 1.73 | 2.80 | 0.33 | 0.00 | 98 |
| | B25XX011 | 3-1/2SSN | BUCKET, CLAMSHELL, 3.50 CY, SQUARE NOSE, STANDARD | | | $26,070 | 6.16 | 1.82 | 2.93 | 0.35 | 0.00 | 108 |
| | B25XX012 | 4SSN | BUCKET, CLAMSHELL, 4.00 CY, SQUARE NOSE, STANDARD | | | $29,129 | 6.89 | 2.03 | 3.28 | 0.39 | 0.00 | 119 |
| | B25XX013 | 4-1/2SSN | BUCKET, CLAMSHELL, 4.50 CY, SQUARE NOSE, STANDARD | | | $39,287 | 9.29 | 2.74 | 4.42 | 0.53 | 0.00 | 145 |
| | B25XX014 | 5SSN | BUCKET, CLAMSHELL, 5.00 CY, SQUARE NOSE, STANDARD | | | $41,932 | 9.91 | 2.92 | 4.72 | 0.56 | 0.00 | 154 |
| | B25XX015 | 5-1/2SSN | BUCKET, CLAMSHELL, 5.50 CY, SQUARE NOSE, STANDARD | | | $50,823 | 12.02 | 3.54 | 5.72 | 0.68 | 0.00 | 158 |
| | B25XX016 | 6SSN | BUCKET, CLAMSHELL, 6.00 CY, SQUARE NOSE, STANDARD | | | $51,209 | 12.11 | 3.57 | 5.76 | 0.69 | 0.00 | 166 |
| | B25XX017 | 6-1/2SSN | BUCKET, CLAMSHELL, 6.50 CY, SQUARE NOSE, STANDARD | | | $55,310 | 13.07 | 3.85 | 6.22 | 0.74 | 0.00 | 177 |
| | B25XX018 | 7SSN | BUCKET, CLAMSHELL, 7.00 CY, SQUARE NOSE, STANDARD | | | $52,388 | 12.38 | 3.65 | 5.89 | 0.70 | 0.00 | 185 |
| | B25XX019 | 7-1/2SSN | BUCKET, CLAMSHELL, 7.50 CY, SQUARE NOSE, STANDARD | | | $58,706 | 13.88 | 4.09 | 6.60 | 0.79 | 0.00 | 192 |
| B30 | BUCKETS, CONCRETE | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **GENERAL PURPOSE, MANUAL TRIP** | | | | | | | | | |
| | | | **GAR-BRO MANUFACTURING COMPANY** | | | | | | | | | |
| | B30GB001 | 433-G | BUCKET, CONCRETE, GENERAL PURPOSE, 1.0 CY | | | $2,929 | 0.71 | 0.22 | 0.35 | 0.04 | 0.00 | 6 |
| | B30GB002 | 442-G | BUCKET, CONCRETE, GENERAL PURPOSE, 1.5 CY | | | $3,836 | 0.93 | 0.28 | 0.46 | 0.05 | 0.00 | 8 |
| | B30GB003 | 462-G | BUCKET, CONCRETE, GENERAL PURPOSE, 2.0 CY | | | $4,732 | 1.14 | 0.34 | 0.56 | 0.06 | 0.00 | 10 |
| | B30GB004 | 493-G | BUCKET, CONCRETE, GENERAL PURPOSE, 3.0 CY | | | $6,861 | 1.66 | 0.50 | 0.81 | 0.09 | 0.00 | 14 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B30* | | | *GAR-BRO MANUFACTURING COMPANY (continued)* | | | | | | | | | |
| | B30GB005 | 4123-G | BUCKET, CONCRETE, GENERAL PURPOSE, 4.0 CY | | | $8,176 | 1.98 | 0.60 | 0.97 | 0.11 | 0.00 | 18 |
| | **SUBCATEGORY 0.20** | | **LAYDOWN** | | | | | | | | | |
| | | | **GAR-BRO MANUFACTURING COMPANY** | | | | | | | | | |
| | B30GB006 | 425-A | BUCKET, CONCRETE, LAYDOWN, 1.0 CY, HEAVY DUTY AIR GATE | | | $15,136 | 3.79 | 1.10 | 1.80 | 0.20 | 0.00 | 26 |
| | B30GB007 | 465-A | BUCKET, CONCRETE, LAYDOWN, 2.0 CY, HVDY AIR GATE | | | $16,300 | 4.08 | 1.18 | 1.94 | 0.21 | 0.00 | 32 |
| | B30GB008 | 495-A | BUCKET, CONCRETE, LAYDOWN, 3.0 CY, HEAVY DUTY AIR GATE | | | $18,144 | 4.54 | 1.32 | 2.15 | 0.24 | 0.00 | 40 |
| | B30GB009 | 4125-A | BUCKET, CONCRETE, LAYDOWN, 4.0 CY, HEAVY DUTY AIR GATE | | | $20,666 | 5.17 | 1.50 | 2.45 | 0.27 | 0.00 | 51 |
| | B30GB010 | 4155-A | BUCKET, CONCRETE, LAYDOWN, 5.0 CY, HEAVY DUTY AIR GATE | | | $25,508 | 6.38 | 1.85 | 3.03 | 0.33 | 0.00 | 73 |
| | **SUBCATEGORY 0.30** | | **LOWBOY** | | | | | | | | | |
| | | | **CAMLEVER** | | | | | | | | | |
| | B30CR001 | LB-375 | BUCKET, CONCRETE, LOWBOY, 0.38 CY, AIR GATE | | | $3,919 | 1.01 | 0.29 | 0.47 | 0.05 | 0.00 | 2 |
| | B30CR002 | LB-050 | BUCKET, CONCRETE, LOWBOY, 0.5 CY, AIR GATE | | | $4,204 | 1.08 | 0.30 | 0.50 | 0.05 | 0.00 | 2 |
| | B30CR003 | LB-075 | BUCKET, CONCRETE, LOWBOY, 0.75 CY, AIR GATE | | | $4,532 | 1.17 | 0.33 | 0.54 | 0.06 | 0.00 | 3 |
| | B30CR004 | LB-100 | BUCKET, CONCRETE, LOWBOY, 1.0 CY, AIR GATE | | | $4,672 | 1.20 | 0.34 | 0.55 | 0.06 | 0.00 | 5 |
| | B30CR005 | LB-150 | BUCKET, CONCRETE, LOWBOY, 1.5 CY, AIR GATE | | | $5,500 | 1.41 | 0.40 | 0.65 | 0.07 | 0.00 | 6 |
| | B30CR009 | LXB-150 | BUCKET, CONCRETE, LOWBOY, 1.5 CY, AIR GATE | | | $5,789 | 1.50 | 0.43 | 0.69 | 0.08 | 0.00 | 6 |
| | B30CR006 | LB-200 | BUCKET, CONCRETE, LOWBOY, 2.0 CY, AIR GATE | | | $6,462 | 1.67 | 0.47 | 0.77 | 0.08 | 0.00 | 8 |
| | B30CR010 | LXB-200 | BUCKET, CONCRETE, LOWBOY, 2.0 CY, AIR GATE | | | $6,760 | 1.74 | 0.49 | 0.80 | 0.09 | 0.00 | 6 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B30* | | | *CAMLEVER (continued)* | | | | | | | | | |
| | B30CR011 | LXB-300 | BUCKET, CONCRETE, LOWBOY, 3.0 CY, AIR GATE | | | $8,020 | 2.06 | 0.58 | 0.95 | 0.10 | 0.00 | 6 |
| | B30CR012 | LXB-400 | BUCKET, CONCRETE, LOWBOY, 4.0 CY, AIR GATE | | | $9,270 | 2.39 | 0.67 | 1.10 | 0.12 | 0.00 | 6 |
| | **SUBCATEGORY 0.40** | | **LOW SLUMP** | | | | | | | | | |
| | | | **GAR-BRO MANUFACTURING COMPANY** | | | | | | | | | |
| | B30GB011 | 440-A | BUCKET, CONCRETE, LOW SLUMP, 1.0 CY, AIR GATE | | | $11,980 | 3.09 | 0.87 | 1.42 | 0.16 | 0.00 | 20 |
| | B30GB012 | 450-A | BUCKET, CONCRETE, LOW SLUMP, 1.5 CY, AIR GATE | | | $12,425 | 3.21 | 0.90 | 1.48 | 0.16 | 0.00 | 21 |
| | B30GB013 | 460-A | BUCKET, CONCRETE, LOW SLUMP, 2.0 CY, AIR GATE | | | $12,872 | 3.33 | 0.94 | 1.53 | 0.17 | 0.00 | 24 |
| | B30GB014 | 493-A | BUCKET, CONCRETE, LOW SLUMP, 3.0 CY, AIR GATE | | | $16,832 | 4.35 | 1.22 | 2.00 | 0.22 | 0.00 | 49 |
| | B30GB015 | 4139-A | BUCKET, CONCRETE, LOW SLUMP, 4.0 CY, AIR GATE | | | $17,434 | 4.50 | 1.27 | 2.07 | 0.23 | 0.00 | 52 |
| | B30GB016 | 4200-A | BUCKET, CONCRETE, LOW SLUMP, 6.0 CY, AIR GATE | | | $25,044 | 6.45 | 1.81 | 2.97 | 0.32 | 0.00 | 78 |
| | B30GB017 | 4250-A | BUCKET, CONCRETE, LOW SLUMP, 8.0 CY, AIR GATE | | | $30,149 | 7.78 | 2.18 | 3.58 | 0.39 | 0.00 | 90 |
| **B35** | **BUCKETS, DRAGLINE** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **LIGHT WEIGHT** | | | | | | | | | |
| | | | **HENDRIX MANUFACTURING COMPANY, INC.** | | | | | | | | | |
| | B35HE001 | LS | BUCKET, DRAGLINE, 0.75 CY, LIGHT WEIGHT/PERFORATED | | | $4,973 | 1.18 | 0.35 | 0.56 | 0.07 | 0.00 | 15 |
| | B35HE002 | LS | BUCKET, DRAGLINE, 1.0 CY, LIGHT WEIGHT/PERFORATED | | | $5,895 | 1.39 | 0.41 | 0.66 | 0.08 | 0.00 | 18 |
| | B35HE003 | LS | BUCKET, DRAGLINE, 1.5 CY, LIGHT WEIGHT/PERFORATED | | | $7,782 | 1.84 | 0.54 | 0.88 | 0.10 | 0.00 | 26 |
| | B35HE004 | LS | BUCKET, DRAGLINE, 2.0 CY, LIGHT WEIGHT/PERFORATED | | | $9,176 | 2.16 | 0.64 | 1.03 | 0.12 | 0.00 | 32 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B35* | | | *HENDRIX MANUFACTURING COMPANY, INC. (continued)* | | | | | | | | | |
| | B35HE005 | LS | BUCKET, DRAGLINE, 2.5 CY, LIGHT WEIGHT/PERFORATED | | | $10,787 | 2.54 | 0.75 | 1.21 | 0.14 | 0.00 | 37 |
| | B35HE006 | LS | BUCKET, DRAGLINE, 3.0 CY, LIGHT WEIGHT/PERFORATED | | | $13,300 | 3.15 | 0.93 | 1.50 | 0.18 | 0.00 | 46 |
| | B35HE007 | LS | BUCKET, DRAGLINE, 3.5 CY, LIGHT WEIGHT/PERFORATED | | | $14,697 | 3.47 | 1.03 | 1.65 | 0.20 | 0.00 | 50 |
| | B35HE008 | LS | BUCKET, DRAGLINE, 4.0 CY, LIGHT WEIGHT/PERFORATED | | | $17,902 | 4.23 | 1.25 | 2.01 | 0.24 | 0.00 | 65 |
| | B35HE009 | LS | BUCKET, DRAGLINE, 4.5 CY, LIGHT WEIGHT/PERFORATED | | | $19,010 | 4.49 | 1.32 | 2.14 | 0.25 | 0.00 | 69 |
| | B35HE010 | LS | BUCKET, DRAGLINE, 5.0 CY, LIGHT WEIGHT/PERFORATED | | | $22,934 | 5.42 | 1.60 | 2.58 | 0.31 | 0.00 | 85 |
| | B35HE011 | LS | BUCKET, DRAGLINE, 6.0 CY, LIGHT WEIGHT/PERFORATED | | | $24,879 | 5.88 | 1.73 | 2.80 | 0.33 | 0.00 | 92 |
| | B35HE012 | LS | BUCKET, DRAGLINE, 7.0 CY, LIGHT WEIGHT/PERFORATED | | | $27,167 | 6.42 | 1.89 | 3.06 | 0.36 | 0.00 | 101 |
| | B35HE013 | LS | BUCKET, DRAGLINE, 8.0 CY, LIGHT WEIGHT/PERFORATED | | | $30,125 | 7.12 | 2.10 | 3.39 | 0.40 | 0.00 | 112 |
| | B35HE014 | LS | BUCKET, DRAGLINE, 9.0 CY, LIGHT WEIGHT/PERFORATED | | | $34,798 | 8.23 | 2.43 | 3.91 | 0.47 | 0.00 | 128 |
| | B35HE015 | LS | BUCKET, DRAGLINE, 10.0 CY, LIGHT WEIGHT/PERFORATED | | | $37,812 | 8.94 | 2.64 | 4.25 | 0.51 | 0.00 | 139 |
| | B35HE016 | LS | BUCKET, DRAGLINE, 12.0 CY, LIGHT WEIGHT/PERFORATED | | | $46,510 | 10.99 | 3.24 | 5.23 | 0.62 | 0.00 | 166 |
| | B35HE017 | LS | BUCKET, DRAGLINE, 14.0 CY, LIGHT WEIGHT/PERFORATED | | | $53,461 | 12.64 | 3.73 | 6.01 | 0.72 | 0.00 | 191 |
| | | | **SAUERMAN** | | | | | | | | | |
| | B35SA001 | SC-1050-K | BUCKET, DRAGLINE, 1.0 CY, CRESCENT | | | $15,789 | 3.73 | 1.10 | 1.78 | 0.21 | 0.00 | 15 |
| | B35SA003 | SC-1070-K | BUCKET, DRAGLINE, 2.0 CY, CRESCENT | | | $23,653 | 5.59 | 1.65 | 2.66 | 0.32 | 0.00 | 25 |
| | B35SA004 | SC-1090-K | BUCKET, DRAGLINE, 3.0 CY, CRESCENT | | | $32,424 | 7.66 | 2.26 | 3.65 | 0.43 | 0.00 | 36 |
| | B35SA005 | SC-1100-K | BUCKET, DRAGLINE, 4.0 CY, CRESCENT | | | $40,611 | 9.60 | 2.83 | 4.57 | 0.54 | 0.00 | 49 |
| | B35SA006 | SC-1110-K | BUCKET, DRAGLINE, 5.0 CY, CRESCENT | | | $47,869 | 11.32 | 3.34 | 5.39 | 0.64 | 0.00 | 58 |
| | B35SA007 | SC-1120-K | BUCKET, DRAGLINE, 6.0 CY, CRESCENT | | | $53,837 | 12.73 | 3.75 | 6.06 | 0.72 | 0.00 | 68 |
| | B35SA008 | SC-1130-K | BUCKET, DRAGLINE, 8.0 CY, CRESCENT | | | $63,477 | 15.00 | 4.42 | 7.14 | 0.85 | 0.00 | 88 |
| | B35SA009 | SC-1140-K | BUCKET, DRAGLINE, 10.0 CY,CRESCENT | | | $80,587 | 19.05 | 5.62 | 9.07 | 1.08 | 0.00 | 106 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B35* | | | *SAUERMAN (continued)* | | | | | | | | | |
| | B35SA010 | SC-1150-K | BUCKET, DRAGLINE, 12.0 CY,CRESCENT | | | $98,359 | 23.26 | 6.86 | 11.07 | 1.32 | 0.00 | 132 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | B35XX001 | 6-1/2L | BUCKET, DRAGLINE, 6.5 CY, LIGHT WEIGHT | | | $24,595 | 5.82 | 1.72 | 2.77 | 0.33 | 0.00 | 94 |
| | B35XX002 | 7-1/2L | BUCKET, DRAGLINE, 7.5 CY, LIGHT WEIGHT | | | $27,655 | 6.54 | 1.93 | 3.11 | 0.37 | 0.00 | 106 |
| | B35XX003 | 8-1/2L | BUCKET, DRAGLINE, 8.5 CY, LIGHT WEIGHT | | | $30,586 | 7.23 | 2.13 | 3.44 | 0.41 | 0.00 | 116 |
| | B35XX004 | 9-1/2L | BUCKET, DRAGLINE, 9.5 CY, LIGHT WEIGHT | | | $34,884 | 8.24 | 2.43 | 3.92 | 0.47 | 0.00 | 132 |
| | B35XX005 | 11L | BUCKET, DRAGLINE, 11.0 CY, LIGHT WEIGHT | | | $39,168 | 9.26 | 2.73 | 4.41 | 0.52 | 0.00 | 148 |
| | B35XX006 | 13L | BUCKET, DRAGLINE, 13.0 CY, LIGHT WEIGHT | | | $48,208 | 11.40 | 3.36 | 5.42 | 0.65 | 0.00 | 178 |
| | **SUBCATEGORY 0.20** | | **MEDIUM WEIGHT** | | | | | | | | | |
| | | | **HENDRIX MANUFACTURING COMPANY, INC.** | | | | | | | | | |
| | B35HE018 | TS | BUCKET, DRAGLINE, 0.75 CY, MEDIUM WEIGHT | | | $5,700 | 1.21 | 0.37 | 0.57 | 0.08 | 0.00 | 17 |
| | B35HE019 | TS | BUCKET, DRAGLINE, 1.0 CY, MEDIUM WEIGHT | | | $6,557 | 1.39 | 0.42 | 0.66 | 0.09 | 0.00 | 19 |
| | B35HE020 | TS | BUCKET, DRAGLINE, 1.5 CY, MEDIUM WEIGHT | | | $8,901 | 1.88 | 0.57 | 0.89 | 0.12 | 0.00 | 28 |
| | B35HE021 | TS | BUCKET, DRAGLINE, 2.0 CY, MEDIUM WEIGHT | | | $10,592 | 2.24 | 0.67 | 1.06 | 0.14 | 0.00 | 36 |
| | B35HE022 | TS | BUCKET, DRAGLINE, 2.5 CY, MEDIUM WEIGHT | | | $12,409 | 2.62 | 0.78 | 1.24 | 0.16 | 0.00 | 41 |
| | B35HE023 | TS | BUCKET, DRAGLINE, 3.0 CY, MEDIUM WEIGHT | | | $14,605 | 3.08 | 0.92 | 1.46 | 0.19 | 0.00 | 49 |
| | B35HE024 | TS | BUCKET, DRAGLINE, 3.5 CY, MEDIUM WEIGHT | | | $16,132 | 3.40 | 1.02 | 1.61 | 0.21 | 0.00 | 54 |
| | B35HE025 | TS | BUCKET, DRAGLINE, 4.0 CY, MEDIUM WEIGHT | | | $19,345 | 4.09 | 1.23 | 1.93 | 0.26 | 0.00 | 70 |
| | B35HE026 | TS | BUCKET, DRAGLINE, 4.5 CY, MEDIUM WEIGHT | | | $20,698 | 4.37 | 1.31 | 2.07 | 0.27 | 0.00 | 72 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B35* | | | *HENDRIX MANUFACTURING COMPANY, INC. (continued)* | | | | | | | | | |
| | B35HE027 | TS | BUCKET, DRAGLINE, 5.0 CY, MEDIUM WEIGHT | | | $26,524 | 5.61 | 1.68 | 2.65 | 0.35 | 0.00 | 93 |
| | B35HE028 | TS | BUCKET, DRAGLINE, 6.0 CY, MEDIUM WEIGHT | | | $27,398 | 5.79 | 1.73 | 2.74 | 0.36 | 0.00 | 96 |
| | B35HE029 | TS | BUCKET, DRAGLINE, 7.0 CY, MEDIUM WEIGHT | | | $31,277 | 6.61 | 1.98 | 3.13 | 0.41 | 0.00 | 111 |
| | B35HE030 | TS | BUCKET, DRAGLINE, 8.0 CY, MEDIUM WEIGHT | | | $34,432 | 7.27 | 2.17 | 3.44 | 0.45 | 0.00 | 122 |
| | B35HE031 | TS | BUCKET, DRAGLINE, 9.0 CY, MEDIUM WEIGHT | | | $41,203 | 8.71 | 2.60 | 4.12 | 0.54 | 0.00 | 149 |
| | B35HE032 | TS | BUCKET, DRAGLINE, 10.0 CY, MEDIUM WEIGHT | | | $43,882 | 9.28 | 2.78 | 4.39 | 0.58 | 0.00 | 159 |
| | B35HE033 | TS | BUCKET, DRAGLINE, 12.0 CY, MEDIUM WEIGHT | | | $56,644 | 11.97 | 3.58 | 5.66 | 0.75 | 0.00 | 202 |
| | B35HE034 | TS | BUCKET, DRAGLINE, 14.0 CY, MEDIUM WEIGHT | | | $63,093 | 13.34 | 3.99 | 6.31 | 0.83 | 0.00 | 225 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | B35XX007 | 6-1/2M | BUCKET, DRAGLINE, 6.5 CY, MEDIUM WEIGHT | | | $27,829 | 5.88 | 1.76 | 2.78 | 0.37 | 0.00 | 101 |
| | B35XX008 | 7-1/2M | BUCKET, DRAGLINE, 7.5 CY, MEDIUM WEIGHT | | | $31,810 | 6.72 | 2.01 | 3.18 | 0.42 | 0.00 | 117 |
| | B35XX009 | 8-1/2M | BUCKET, DRAGLINE, 8.5 CY, MEDIUM WEIGHT | | | $34,252 | 7.24 | 2.17 | 3.43 | 0.45 | 0.00 | 126 |
| | B35XX010 | 9-1/2M | BUCKET, DRAGLINE, 9.5 CY, MEDIUM WEIGHT | | | $40,736 | 8.61 | 2.58 | 4.07 | 0.54 | 0.00 | 152 |
| | B35XX011 | 11M | BUCKET, DRAGLINE, 11.0 CY, MEDIUM WEIGHT | | | $45,042 | 9.51 | 2.84 | 4.50 | 0.59 | 0.00 | 169 |
| | B35XX012 | 13M | BUCKET, DRAGLINE, 13.0 CY, MEDIUM WEIGHT | | | $57,099 | 12.07 | 3.61 | 5.71 | 0.75 | 0.00 | 211 |
| | **SUBCATEGORY 0.30** | | **HEAVY WEIGHT** | | | | | | | | | |
| | | | **HENDRIX MANUFACTURING COMPANY, INC.** | | | | | | | | | |
| | B35HE035 | MH-S | BUCKET, DRAGLINE, 2.75 CY, HEAVY WEIGHT | | | $21,442 | 4.11 | 1.25 | 1.93 | 0.28 | 0.00 | 69 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B35* | | | *HENDRIX MANUFACTURING COMPANY, INC. (continued)* | | | | | | | | | |
| | B35HE036 | MH-S | BUCKET, DRAGLINE, 3.0 CY, HEAVY WEIGHT | | | $22,373 | 4.28 | 1.30 | 2.01 | 0.29 | 0.00 | 72 |
| | B35HE037 | MH-S | BUCKET, DRAGLINE, 3.5 CY, HEAVY WEIGHT | | | $25,166 | 4.81 | 1.46 | 2.26 | 0.33 | 0.00 | 81 |
| | B35HE038 | MH-S | BUCKET, DRAGLINE, 4.0 CY, HEAVY WEIGHT | | | $34,179 | 6.54 | 1.98 | 3.08 | 0.44 | 0.00 | 110 |
| | B35HE039 | MH-S | BUCKET, DRAGLINE, 4.5 CY, HEAVY WEIGHT | | | $38,220 | 7.32 | 2.22 | 3.44 | 0.50 | 0.00 | 123 |
| | B35HE040 | MH-S | BUCKET, DRAGLINE, 5.0 CY, HEAVY WEIGHT | | | $39,458 | 7.55 | 2.29 | 3.55 | 0.51 | 0.00 | 127 |
| | B35HE041 | MH-S | BUCKET, DRAGLINE, 6.0 CY, HEAVY WEIGHT | | | $42,261 | 8.09 | 2.45 | 3.80 | 0.55 | 0.00 | 136 |
| | B35HE042 | MH-S | BUCKET, DRAGLINE, 7.0 CY, HEAVY WEIGHT | | | $53,485 | 10.24 | 3.11 | 4.81 | 0.70 | 0.00 | 175 |
| | B35HE043 | MH-S | BUCKET, DRAGLINE, 8.0 CY, HEAVY WEIGHT | | | $55,012 | 10.52 | 3.19 | 4.95 | 0.71 | 0.00 | 180 |
| | B35HE044 | MH-S | BUCKET, DRAGLINE, 9.0 CY, HEAVY WEIGHT | | | $69,947 | 13.39 | 4.06 | 6.30 | 0.91 | 0.00 | 234 |
| | B35HE045 | MH-S | BUCKET, DRAGLINE, 10.0 CY, HEAVY WEIGHT | | | $72,452 | 13.86 | 4.20 | 6.52 | 0.94 | 0.00 | 243 |
| | B35HE046 | MH-S | BUCKET, DRAGLINE, 12.0 CY, HEAVY WEIGHT | | | $86,166 | 16.49 | 5.00 | 7.75 | 1.12 | 0.00 | 289 |
| | B35HE047 | MH-S | BUCKET, DRAGLINE, 14.0 CY, HEAVY WEIGHT | | | $91,902 | 17.58 | 5.33 | 8.27 | 1.19 | 0.00 | 309 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | B35XX013 | 3/4H | BUCKET, DRAGLINE, 0.75 CY, HEAVY WEIGHT | | | $7,048 | 1.34 | 0.41 | 0.63 | 0.09 | 0.00 | 20 |
| | B35XX014 | 1H | BUCKET, DRAGLINE, 1.0 CY, HEAVY WEIGHT | | | $7,914 | 1.51 | 0.46 | 0.71 | 0.10 | 0.00 | 23 |
| | B35XX015 | 1-1/2H | BUCKET, DRAGLINE, 1.5 CY, HEAVY WEIGHT | | | $11,764 | 2.25 | 0.68 | 1.06 | 0.15 | 0.00 | 35 |
| | B35XX016 | 2H | BUCKET, DRAGLINE, 2.0 CY, HEAVY WEIGHT | | | $13,418 | 2.57 | 0.78 | 1.21 | 0.17 | 0.00 | 42 |
| | B35XX017 | 2-1/2H | BUCKET, DRAGLINE, 2.5 CY, HEAVY WEIGHT | | | $14,645 | 2.80 | 0.85 | 1.32 | 0.19 | 0.00 | 48 |
| | B35XX018 | 5-1/2H | BUCKET, DRAGLINE, 5.5 CY, HEAVY WEIGHT | | | $31,252 | 5.98 | 1.82 | 2.81 | 0.41 | 0.00 | 113 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *B35* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | |
| | B35XX019 | 6-1/2H | BUCKET, DRAGLINE, 6.5 CY, HEAVY WEIGHT | | | $33,341 | 6.38 | 1.93 | 3.00 | 0.43 | 0.00 | 125 |
| | B35XX020 | 7-1/2H | BUCKET, DRAGLINE, 7.5 CY, HEAVY WEIGHT | | | $37,656 | 7.21 | 2.19 | 3.39 | 0.49 | 0.00 | 135 |
| | B35XX021 | 8-1/2H | BUCKET, DRAGLINE, 8.5 CY, HEAVY WEIGHT | | | $40,930 | 7.83 | 2.37 | 3.68 | 0.53 | 0.00 | 159 |
| | B35XX022 | 9-1/2H | BUCKET, DRAGLINE, 9.5 CY, HEAVY WEIGHT | | | $51,759 | 9.91 | 3.00 | 4.66 | 0.67 | 0.00 | 181 |
| | B35XX023 | 11H | BUCKET, DRAGLINE, 11.0 CY, HEAVY WEIGHT | | | $55,434 | 10.61 | 3.22 | 4.99 | 0.72 | 0.00 | 198 |
| C05 | CHAIN SAWS | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CHAIN SAWS** | | | | | | | | | |
| | | | **OLYMPYK CHAIN SAWS** | | | | | | | | | |
| | C05OL001 | 941 | CHAIN SAW, 16"-18" BAR | 2 HP G | | $286 | 1.04 | 0.08 | 0.13 | 0.01 | 0.34 | 1 |
| | C05OL002 | 962 | CHAIN SAW, 16"-24" BAR | 5 HP G | | $455 | 1.88 | 0.11 | 0.20 | 0.01 | 0.70 | 1 |
| | C05OL003 | 970 | CHAIN SAW, 16"-36" BAR | 5 HP G | | $554 | 2.18 | 0.14 | 0.25 | 0.01 | 0.77 | 1 |
| | C05OL004 | 980 | CHAIN SAW, 16"-42" BAR | 6 HP G | | $604 | 2.39 | 0.15 | 0.27 | 0.01 | 0.85 | 1 |
| C10 | COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES** | | | | | | | | | |
| | | | **COMPACTION AMERICA** | | | | | | | | | |
| | C10BO001 | BT 50 | COMPACTOR, RAMMER, TAMPER, 9" X 13.8" SHOE | 3 HP G | | $3,192 | 2.55 | 0.43 | 0.76 | 0.05 | 0.45 | 1 |
| | C10BO003 | BP 10/36 | COMPACTOR, VIBROPLATE, 14.2" X 21.5" PLATE | 4 HP G | | $2,210 | 2.12 | 0.29 | 0.52 | 0.03 | 0.59 | 2 |
| | C10BO004 | BP 15/45 | COMPACTOR, VIBROPLATE, 17.7" X 21.5" PLATE | 6 HP G | | $2,478 | 2.68 | 0.34 | 0.59 | 0.04 | 0.89 | 2 |
| | C10BO007 | BPR 35/38D | COMPACTOR, VIBROPLATE, 22.8" X 31.1" PLATE, REVERSIBLE | 5 HP D-off | | $6,622 | 4.52 | 0.89 | 1.57 | 0.10 | 0.34 | 5 |
| | C10BO008 | BPR 55/52D | COMPACTOR, VIBROPLATE, 32.3" X 35" PLATE, REVERSIBLE | 8 HP D-off | | $12,732 | 8.56 | 1.70 | 3.02 | 0.19 | 0.55 | 10 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | C10WC003 | BS 65Y | COMPACTOR, RAMMER, 11" X 13" SHOE, 3640 LBS IMPACT | 4 HP | G | | $4,435 | 3.51 | 0.60 | 1.05 | 0.07 | 0.59 | 2 |
| | C10WC006 | BPS 2550 A | COMPACTOR, VIBROPLATE, 19.5" X 25.5" PLATE, 5600 LBS IMPACT | 8 HP | G | | $3,023 | 3.41 | 0.41 | 0.72 | 0.05 | 1.19 | 3 |
| | C10WC007 | BPU 3345A | COMPACTOR, VIBROPLATE, 23.5" X 35.5" PLATE, 7550 LBS IMPACT | 9 HP | G | | $9,943 | 7.87 | 1.33 | 2.36 | 0.15 | 1.34 | 7 |
| | C10WC008 | DPU 4045H | COMPACTOR, VIBROPLATE, 23.5" X 35.5" PLATE, 9000 LBS IMPACT | 6 HP | D-off | | $13,263 | 8.71 | 1.78 | 3.15 | 0.20 | 0.41 | 7 |
| | C10WC015 | DPU 7060 | COMPACTOR, VIBROPLATE, 31.5" X 42" PLATE, 15600 LBS IMPACT | 14 HP | D-off | | $23,685 | 15.87 | 3.18 | 5.63 | 0.36 | 0.96 | 15 |
| | **SUBCATEGORY 0.20** | | **ROLLERS, VIBRATORY** | | | | | | | | | | |
| | | | **COMPACTION AMERICA** | | | | | | | | | | |
| | C10BO009 | BW 55E | COMPACTOR, ROLLER, VIBRATORY, 22" X 15.7", 0.17 TON SINGLE SMOOTH DRUM, WALK BEHIND, 1X1 | 4 HP | G | | $5,852 | 4.23 | 0.71 | 1.24 | 0.09 | 0.59 | 3 |
| | C10BO010 | BW 35 | COMPACTOR, TRENCH ROLLER, VIBRATORY, 15.4"W X 13.8", 0.5T DOUBLE TAMPING FOOT DRUMS, WALK BEHIND, 2X1 | 4 HP | D-off | | $13,671 | 8.45 | 1.67 | 2.91 | 0.21 | 0.27 | 10 |
| | C10BO014 | BW60S | COMPACTOR, ROLLER, 23.6"W, DOUBLE SMOOTH DRUMS | 7 HP | D-off | | $16,454 | 10.37 | 2.01 | 3.50 | 0.26 | 0.48 | 18 |
| | C10BO015 | BW65S | COMPACTOR, ROLLER, 25.6"W, DOUBLE SMOOTH DRUMS | 5 HP | D-off | | $12,691 | 7.96 | 1.55 | 2.70 | 0.20 | 0.34 | 13 |
| | C10BO011 | BW 60HG | COMPACTOR, ROLLER, VIBRATORY, 29.9"W X 19.7", 0.9 TON DOUBLE SMOOTH DRUMS, WALK BEHIND, 2X2 | 8 HP | D-off | | $10,369 | 6.85 | 1.26 | 2.20 | 0.16 | 0.55 | 26 |
| | C10BO016 | BW75S-2 | COMPACTOR, ROLLER, 29.5"W, DOUBLE SMOOTH DRUMS | 9 HP | D-off | | $18,534 | 11.78 | 2.26 | 3.94 | 0.29 | 0.62 | 20 |
| | C10BO013 | BMP851 | COMPACTOR, TRENCH ROLLER, VIBRATORY, 33.5"W, 6.2 TON DOUBLE TAMPING FOOT DRUMS, WALK BEHIND, 2X1 | 16 HP | D-off | | $36,687 | 23.16 | 4.47 | 7.80 | 0.57 | 1.10 | 34 |
| | | | **RAMMAX MACHINERY CO.** | | | | | | | | | | |
| | C10RX001 | P23/16F | COMPACTOR, TRENCH ROLLER, PADFOOT, 23"W, QUAD PADFOOT DRUMS | 8 HP | D-off | | $27,266 | 16.86 | 3.33 | 5.79 | 0.43 | 0.55 | 20 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C10* | | | *RAMMAX MACHINERY CO. (continued)* | | | | | | | | | | |
| | C10RX002 | P33/24FMR | COMPACTOR, TRENCH ROLLER, PADFOOT, 24"W/33"W, QUAD PADFOOT DRUMS | 14 HP | D-off | | $38,725 | 24.19 | 4.72 | 8.23 | 0.60 | 0.96 | 30 |
| | C10RX003 | P47/40KM | COMPACTOR, TRENCH ROLLER, PADFOOT, 40"W/47"W, QUAD PADFOOT DRUMS | 33 HP | D-off | | $65,954 | 42.00 | 8.04 | 14.02 | 1.03 | 2.26 | 66 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | C10WC010 | RSS800A | COMPACTOR, ROLLER, VIBRATORY, 28"W, 2.3 TON SINGLE SMOOTH DRUM, WALK BEHIND, 2X1 | 11 HP | G | | $12,596 | 9.59 | 1.54 | 2.68 | 0.20 | 1.63 | 11 |
| | C10WC017 | RD7H | COMPACTOR, ROLLER, VIBRATORY,16.5"W, 2.0 TON DOUBLE SMOOTH DRUM, WALK BEHIND, 2X1 | 9 HP | D-off | | $15,262 | 9.84 | 1.86 | 3.24 | 0.24 | 0.62 | 16 |
| | C10WC019 | RT560 | COMPACTOR, ROLLER, VIBRATORY, 22"W, 4.2 TON DOUBLE SMOOTH DRUM, WALK BEHIND, 2X1 | 20 HP | D-off | | $38,758 | 24.74 | 4.72 | 8.24 | 0.60 | 1.37 | 31 |
| | C10WC016 | RT820 | COMPACTOR, TRENCH ROLLER, VIBRATORY, 32"W, 4.3 TON DOUBLE TAMPING FOOT DRUMS, WALK BEHIND, 2X1 | 20 HP | D-off | | $39,281 | 25.05 | 4.79 | 8.35 | 0.61 | 1.37 | 33 |
| C15 | CONCRETE CLEANERS / BLASTERS | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE CLEANERS / BLASTERS** | | | | | | | | | | |
| | | | **US FILTER/BLASTRAC** | | | | | | | | | | |
| | C15BL001 | 1-8 & TURBO VAC | CONCRETE BLASTER CLEANING SYSTEM, 8" PATH (ADD 4 KVA GENERATOR & BLAST MEDIA COST) | 2 HP | E | | $8,537 | 4.86 | 1.00 | 1.71 | 0.14 | 0.11 | 2 |
| | C15BL003 | 1-10D & 6-54 DC | CONCRETE BLASTER CLEANING SYSTEM, 10" PATH (ADD 30 KVA GENERATOR & BLAST MEDIA COST) | 10 HP | E | | $40,926 | 22.44 | 4.75 | 8.19 | 0.65 | 0.57 | 7 |
| | C15BL004 | 1-15D & 6-54-DC | CONCRETE BLASTER CLEANING SYSTEM, 15" PATH (ADD 30 KVA GENERATOR & BLAST MEDIA COST) | 15 HP | E | | $47,894 | 26.56 | 5.55 | 9.58 | 0.76 | 0.85 | 8 |
| | C15BL005 | 2-20D & 8-54-DC | CONCRETE BLASTER CLEANING SYSTEM, 20" PATH (ADD 75 KVA GENERATOR & BLAST MEDIA COST) | 30 HP | E | | $70,201 | 39.09 | 8.14 | 14.04 | 1.12 | 1.70 | 12 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C20** | **CONCRETE BUGGIES** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE BUGGIES** | | | | | | | | | | |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | C20WC002 | WB 16A | CONCRETE BUGGY, 16 CF BUCKET, 1.25 TON, WALK & RIDE, 4X2 | 13 HP | G | | $9,763 | 6.16 | 1.05 | 1.78 | 0.16 | 1.50 | 12 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | C20XX001 | 10G | CONCRETE BUGGY, 10 CF, 1500 LBS | 8 HP | G | | $6,847 | 4.15 | 0.74 | 1.26 | 0.11 | 0.92 | 10 |
| **C25** | **CONCRETE FINISHERS/SCREEDS/SPREADERS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **FINISHERS/TROWELS** | | | | | | | | | | |
| | | | **ALLEN ENGINEERING CORP.** | | | | | | | | | | |
| | C25AJ015 | PRO 900 | CONCRETE TROWEL, RIDING, 2 - 36" DIA ROTORS | 20 HP | G | | $10,490 | 7.11 | 1.00 | 1.68 | 0.16 | 2.31 | 7 |
| | C25AJ016 | PRO 1050 | CONCRETE TROWEL, RIDING, 2 - 42" DIA ROTORS | 20 HP | G | | $10,995 | 7.30 | 1.05 | 1.76 | 0.17 | 2.31 | 8 |
| | C25AJ018 | PRO 1200 | CONCRETE TROWEL, RIDING, 2 - 46" DIA ROTORS | 25 HP | G | | $12,750 | 8.75 | 1.21 | 2.04 | 0.19 | 2.89 | 10 |
| | C25AJ019 | SUPER PRO 400 | CONCRETE TROWEL, RIDING, 2 - 46" DIA ROTORS | 28 HP | G | | $18,488 | 11.34 | 1.76 | 2.96 | 0.28 | 3.23 | 13 |
| | | | **STOW MANUFACTURING, INC.** | | | | | | | | | | |
| | C25ST001 | SCT36H80 | CONCRETE FINISHER, 36" DIA, ROTO TROWEL | 8 HP | G | | $2,378 | 2.17 | 0.23 | 0.38 | 0.04 | 0.92 | 3 |
| | C25ST002 | SCT46H80 | CONCRETE FINISHER, 46" DIA, ROTO TROWEL | 9 HP | G | | $2,581 | 2.40 | 0.25 | 0.41 | 0.04 | 1.04 | 3 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | C25WC002 | CT48A | CONCRETE FINISHER, POWER TROWEL, 48" DIA, 4 BLADES | 8 HP | G | | $3,123 | 2.45 | 0.30 | 0.50 | 0.05 | 0.92 | 3 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C25* | | | *WACKER CORPORATION (continued)* | | | | | | | | | | |
| | C25WC003 | CT46A | CONCRETE FINISHER, POWER TROWEL, 2 SETS OF 4 - 48" DIA BLADES | 20 HP | G | | $11,641 | 7.53 | 1.11 | 1.86 | 0.18 | 2.31 | 8 |
| | **SUBCATEGORY 0.20** | | **VIBRATORY SCREED** | | | | | | | | | | |
| | | | **ALLEN ENGINEERING CORP.** | | | | | | | | | | |
| | C25AJ003 | 12HED | CONCRETE, VIBRATORY SCREED, 12.5' WIDE | 9 HP | G | | $5,560 | 3.50 | 0.53 | 0.89 | 0.08 | 1.04 | 5 |
| | C25AJ001 | 12 HD | CONCRETE, VIBRATORY SCREED, 20' WIDE | 8 HP | G | | $3,932 | 2.74 | 0.38 | 0.63 | 0.06 | 0.92 | 4 |
| | C25AJ004 | 12HED | CONCRETE, VIBRATORY SCREED, 30' WIDE | 9 HP | G | | $7,944 | 4.38 | 0.76 | 1.27 | 0.12 | 1.04 | 8 |
| | C25AJ005 | 12HED | CONCRETE, VIBRATORY SCREED, 40' WIDE | 11 HP | G | | $9,326 | 5.21 | 0.89 | 1.49 | 0.14 | 1.27 | 10 |
| | C25AJ006 | 12HED | CONCRETE, VIBRATORY SCREED, 50' WIDE | 11 HP | G | | $11,076 | 5.86 | 1.06 | 1.77 | 0.17 | 1.27 | 12 |
| | C25AJ007 | 12HED | CONCRETE, VIBRATORY SCREED, 55' WIDE | 11 HP | G | | $11,780 | 6.12 | 1.12 | 1.88 | 0.18 | 1.27 | 13 |
| | **SUBCATEGORY 0.25** | | **VIBRATORY LASER SCREED** | | | | | | | | | | |
| | | | **SOMERO ENTERPRISES, INC.** | | | | | | | | | | |
| | C25SV003 | S-100 | CONCRETE, VIBRATORY LASER SCREED, 8' WIDE X 12' BOOM | 30 HP | D-off | | $137,289 | 28.79 | 8.02 | 11.92 | 2.06 | 1.48 | 72 |
| | C25SV002 | S-160 | CONCRETE, VIBRATORY LASER SCREED, 8' WIDE X 20' BOOM | 65 HP | D-off | | $227,216 | 48.75 | 13.32 | 19.80 | 3.42 | 3.20 | 126 |
| | C25SV001 | S-240 | CONCRETE, VIBRATORY LASER SCREED, 12' WIDE X 20' BOOM | 65 HP | D-off | | $282,729 | 59.50 | 16.56 | 24.62 | 4.25 | 3.20 | 151 |
| | **SUBCATEGORY 0.30** | | **MATERIAL/TOPPING SPREADERS** | | | | | | | | | | |
| | | | **ALLEN ENGINEERING CORP.** | | | | | | | | | | |
| | C25AJ008 | SP23H | CONCRETE, MATERIAL/TOPPING SPREADER, 12.5' WIDE | 6 HP | G | | $13,409 | 3.49 | 0.79 | 1.17 | 0.20 | 0.59 | 11 |
| | C25AJ009 | SP23H | CONCRETE, MATERIAL/TOPPING SPREADER, 20' WIDE | 6 HP | G | | $14,236 | 3.66 | 0.84 | 1.25 | 0.21 | 0.59 | 12 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C25* | | | *ALLEN ENGINEERING CORP. (continued)* | | | | | | | | | | |
| | C25AJ010 | SP23H | CONCRETE, MATERIAL/TOPPING SPREADER, 30' WIDE | 6 HP | G | | $15,213 | 3.85 | 0.90 | 1.33 | 0.23 | 0.59 | 13 |
| | C25AJ011 | SP23H | CONCRETE, MATERIAL/TOPPING SPREADER, 40' WIDE | 6 HP | G | | $16,294 | 4.06 | 0.97 | 1.43 | 0.25 | 0.59 | 14 |
| | C25AJ012 | SP23H | CONCRETE, MATERIAL/TOPPING SPREADER, 50' WIDE | 6 HP | G | | $17,296 | 4.25 | 1.02 | 1.51 | 0.26 | 0.59 | 15 |
| | C25AJ013 | SP23H | CONCRETE, MATERIAL/TOPPING SPREADER, 60' WIDE | 6 HP | G | | $18,306 | 4.45 | 1.08 | 1.60 | 0.28 | 0.59 | 17 |
| **C35** | **CONCRETE GUNITERS / SHOTCRETERS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE GUNITERS / SHOTCRETERS** | | | | | | | | | | |
| | | | **AIRPLACO EQUIPMENT CO., INC.** | | | | | | | | | | |
| | C35AF002 | C-7A | CONCRETE GUNITER/SHOTCRETER, DRY/SEMI-WET, HOPPER/PUMP/SPRAY, 12 CY/HR, 2" HOSE & 1 GUN (ADD 600 CFM COMPRESSOR) | 600 CFM | A | | $11,281 | 5.13 | 0.76 | 1.18 | 0.17 | 0.00 | 6 |
| | C35AF001 | 1900 HD NUCRETOR | CONCRETE GUNITER/SHOTCRETER, DRY MIX, 2 - 15 CY/HR, W/2 PRESSURIZED TANKS/ 100' - 2" DIA HOSE (ADD 600 CFM COMPRESSOR) | 600 CFM | A | | $23,166 | 6.74 | 1.57 | 2.46 | 0.34 | 0.00 | 11 |
| | C35AF004 | 640 Mix Elevator | CONCRETE GUNITER/SHOTCRETER, DRY BATCH MIXER, 13 CY/HR, W/ FEEDER (ADD SHOTCRETE MACHINE) | 30 HP | G | | $39,731 | 18.22 | 2.71 | 4.23 | 0.59 | 3.71 | 45 |
| | C35AF005 | 734 Mix Elevator | CONCRETE GUNITER/SHOTCRETER, DRY BATCH MIXER, W/ 20 CY/HR ELEVATOR FEEDER/ 45 CF SAND HOPPER/ 4 CF CEMENT HOPPER/ & PREDAMPENING SPRAY BAR (ADD SHOTCRETE MACHINE) | 54 HP | D-off | | $57,297 | 22.14 | 3.89 | 6.07 | 0.85 | 3.14 | 81 |
| | | | **ALLENTOWN EQUIPMENT** | | | | | | | | | | |
| | C35AL003 | GRH-610 ROTARY GUN | CONCRETE GUNITER/SHOTCRETER, ROTARY PUMP, WET/DRY, 1 - 6 CY/HR, TRAILER MTD, W/ HOPPER/ 100' - 1.5" DIA HOSE/ & NOZZLE (ADD 250 - 600 CFM COMPRESSOR) | 5 HP | E | | $11,830 | 3.88 | 0.75 | 1.13 | 0.18 | 0.30 | 11 |
| | C35AL013 | AG-15 AUTOMATIC GUN | CONCRETE GUNITER/SHOTCRETER, ROTARY PUMP, WET/DRY, 3 - 15 CY/HR, W/ HOPPER/ 100' - 1.5" DIA HOSE/ & NOZZLE (ADD 300 - 900 CFM COMPRESSOR) | 900 CFM | A | | $10,887 | 3.40 | 0.71 | 1.10 | 0.16 | 0.00 | 15 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C35* | | | *ALLENTOWN EQUIPMENT (continued)* | | | | | | | | | |
| | C35AL008 | N-2 PNEUMATIC GUN | CONCRETE GUNITER/SHOTCRETER, DRY MIX, 2 - 8 CY/HR, W/ 2 PRESSURIZED TANKS/ 100' - 1.5" DIA HOSE/ & NOZZLE (ADD 200 - 900 CFM COMPRESSOR) | 900 CFM A | | $23,759 | 6.91 | 1.63 | 2.55 | 0.35 | 0.00 | 13 |
| | C35AL002 | R-900 BATCH MIX RIG | CONCRETE GUNITER/SHOTCRETER, DRY BATCH MIXER, 10 TON/HR, W/ ELEVATOR FEEDER/ 20 CF CEMENT HOPPER/ 8 CF MIXER/ & PREDAMPENING SPRAY BAR (ADD SHOTCRETE MACHINE OR ROTARY PUMP) | 26 HP D-off | | $32,902 | 12.11 | 2.19 | 3.39 | 0.49 | 1.51 | 47 |
| | C35AL014 | POWER CRETER 10 | CONCRETE GUNITER/SHOTCRETER, GROUT/MUD JACK/ SHOTCRETE, 10 CY/HR, 400 PSI, TRAILER MTD, W/ 30 GAL HOPPER/ 74 GAL MIXER (ADD 3" HOSE LINE) | 53 HP D-off | | $54,119 | 19.69 | 3.69 | 5.77 | 0.80 | 3.08 | 30 |
| | | | **ALIVA LTD.** | | | | | | | | | |
| | C35AV008 | AL 246 | CONCRETE GUNITER/SHOTCRETER, DRY/SEMI-WET, 1.4 - 2.3 CY/HR, W/ 1 GAL HOPPER/ ROTARY PUMP/ 100' - 1.5" DIA HOSE/ NOZZLE/ & AIR COMPRESSOR | 7 HP E | | $23,913 | 9.32 | 1.64 | 2.56 | 0.36 | 0.43 | 9 |
| | C35AV009 | AL 252 | CONCRETE GUNITER/SHOTCRETER, DRY/SEMI-WET, 5 - 10 CY/HR, W/ 4.2 GAL HOPPER/ ROTARY PUMP/ 100' - 2.36" DIA HOSE/ NOZZLE/ & AIR COMPRESSOR | 16 HP E | | $29,077 | 11.60 | 1.99 | 3.12 | 0.43 | 0.97 | 18 |
| | C35AV010 | AL 262 | CONCRETE GUNITER/SHOTCRETER, WET/DRY, 9 - 13 CY/HR, W/ 4.2 GAL HOPPER/ ROTARY PUMP/ 100' - 2.36" DIA HOSE/ NOZZLE/ & AIR COMPRESSOR | 26 HP E | | $52,467 | 19.05 | 3.59 | 5.62 | 0.78 | 1.58 | 27 |
| | C35AV006 | AL 285 | CONCRETE GUNITER/SHOTCRETER, WET/DRY, 11 - 27.5 CY/HR, W/ 6.6 GAL HOPPER/ ROTARY PUMP/ 100' - 2.55" DIA HOSE/ NOZZLE/ & AIR COMPRESSOR | 20 HP E | | $80,239 | 26.21 | 5.46 | 8.53 | 1.19 | 1.22 | 33 |
| | C35AV011 | AL 302 | CONCRETE GUNITER/SHOTCRETER, SHOTCRETE HYDRAULIC SPRAYER ARM, 25.6 ' HIGH (ADD TRUCK OR SMALL TRAILER & SHOTCRETE UNIT) | 12 HP E | | $40,189 | 14.33 | 2.76 | 4.31 | 0.60 | 0.73 | 50 |
| | C35AV012 | AL 307 | CONCRETE GUNITERS / SHOTCRETERS, SHOTCRETE HYDRAULIC SPRAYER ARM, 52.5' HIGH (ADD TRUCK OR SMALL TRAILER & SHOTCRETE UNIT) | 20 HP E | | $120,231 | 37.84 | 8.23 | 12.88 | 1.79 | 1.22 | 68 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C40 | CONCRETE MIXING UNITS | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE MIXING UNITS** | | | | | | | | | | |
| | | | **CEMEN TECH** | | | | | | | | | | |
| | C40CC001 | SCD2-50H | CONCRETE MIXERS, STATIONARY CONCRETE DISPENSER, 15 CY/HR, 2 - 4.5 CY MATERIAL CAPACITY | 10 HP | E | | $22,229 | 9.14 | 2.12 | 3.56 | 0.34 | 0.57 | 23 |
| | | | **MULTIQUIP, INC.** | | | | | | | | | | |
| | C40MU001 | WM 700SH8 | CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 6 CF | 8 HP | G | | $2,537 | 2.21 | 0.23 | 0.38 | 0.04 | 0.92 | 8 |
| | C40MU002 | WM 120SH | CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 12 CF | 13 HP | G | | $5,550 | 4.13 | 0.51 | 0.86 | 0.08 | 1.50 | 11 |
| | C40MU003 | MC 62SH8 | CONCRETE MIXERS, MIXER, CONCRETE, 6 CF | 8 HP | G | | $2,716 | 2.27 | 0.24 | 0.40 | 0.04 | 0.92 | 7 |
| | C40MU004 | MC 92SH8 | CONCRETE MIXERS, MIXER, CONCRETE, 9 CF | 8 HP | G | | $3,292 | 2.49 | 0.30 | 0.50 | 0.05 | 0.92 | 8 |
| | | | **ROSS COMPANY** | | | | | | | | | | |
| | C40RC005 | | CONCRETE MIXERS, MIXER, CONCRETE, 12.0 CY, TILT DRUM (ADD DRY BATCH PLANT) | 120 HP | E | | $197,180 | 87.69 | 18.64 | 31.28 | 3.00 | 6.80 | 90 |
| | | | **STOW MANUFACTURING, INC.** | | | | | | | | | | |
| | C40ST001 | CMS4E | CONCRETE MIXERS, MIXER, CONCRETE, 4 CF, PORTABLE | 1 HP | E | | $1,783 | 0.89 | 0.16 | 0.25 | 0.03 | 0.03 | 5 |
| | C40ST002 | CMS4H | CONCRETE MIXERS, MIXER, CONCRETE, 4 CF, PORTABLE | 6 HP | G | | $1,992 | 1.61 | 0.18 | 0.29 | 0.03 | 0.64 | 5 |
| | C40ST003 | CMS6E | CONCRETE MIXERS, MIXER, CONCRETE, 6 CF, PORTABLE | 1 HP | E | | $2,445 | 1.24 | 0.22 | 0.36 | 0.04 | 0.06 | 7 |
| | C40ST005 | CMS9E | CONCRETE MIXERS, MIXER, CONCRETE, 9 CF, PORTABLE | 2 HP | E | | $3,327 | 1.66 | 0.30 | 0.50 | 0.05 | 0.09 | 8 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | C40XX001 | 8E | CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 8 CF, ELECTRIC, PORTABLE | 2 HP | E | | $2,923 | 1.46 | 0.28 | 0.47 | 0.04 | 0.11 | 7 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C40* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | | |
| | C40XX002 | 8G | CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 8 CF, GAS, PORTABLE | 7 HP | G | | $3,129 | 2.29 | 0.30 | 0.50 | 0.05 | 0.81 | 7 |
| | C40XX003 | 10E | CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 10 CF, ELECTRIC, PORTABLE | 3 HP | E | | $4,470 | 2.14 | 0.43 | 0.72 | 0.07 | 0.17 | 9 |
| | C40XX004 | 10G | CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 10 CF, GAS, PORTABLE | 8 HP | G | | $4,498 | 2.95 | 0.43 | 0.72 | 0.07 | 0.92 | 10 |
| | C40XX005 | 12E | CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 12 CF, ELECTRIC, PORTABLE | 5 HP | E | | $5,889 | 2.87 | 0.56 | 0.94 | 0.09 | 0.28 | 11 |
| | C40XX006 | 16E | CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 16 CF, ELECTRIC, PORTABLE | 5 HP | E | | $8,204 | 3.72 | 0.78 | 1.31 | 0.12 | 0.28 | 12 |
| | C40XX007 | 16G | CONCRETE MIXERS, MIXER, PLASTER/MORTAR, 16 CF, GAS, PORTABLE | 9 HP | G | | $7,637 | 4.27 | 0.73 | 1.22 | 0.12 | 1.04 | 13 |
| **C45** | **CONCRETE PAVING MACHINES** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE PAVING MACHINES** | | | | | | | | | | |
| | | | **GOMACO CORPORATION** | | | | | | | | | | |
| | C45GO013 | GT-3200 | CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 36" WIDE | 70 HP | D-off | | $109,079 | 43.81 | 8.88 | 14.54 | 1.61 | 4.07 | 120 |
| | C45GO010 | COMMANDER II | CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 2-TRACK | 92 HP | D-off | | $122,067 | 50.12 | 9.95 | 16.28 | 1.81 | 5.35 | 200 |
| | C45GO014 | GT-3600 | CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 3-TRACK | 92 HP | D-off | | $145,833 | 58.46 | 11.88 | 19.44 | 2.16 | 5.35 | 210 |
| | C45GO011 | COMMANDER III | CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 3-TRACK | 169 HP | D-off | | $166,910 | 71.89 | 13.60 | 22.25 | 2.47 | 9.82 | 300 |
| | C45GO012 | COMMANDER III | CONCRETE PAVING MACHINES, CURB/GUTTER SLIPFORM PAVER, 12', 4-TRACK | 169 HP | D-off | | $285,555 | 113.58 | 23.26 | 38.07 | 4.22 | 9.82 | 369 |
| | C45GO016 | GP-2600 | CONCRETE PAVING MACHINES, PAVER, 28' WIDE, 4-TRACK | 230 HP | D-off | | $343,919 | 138.89 | 28.02 | 45.86 | 5.09 | 13.37 | 750 |
| | C45GO018 | GHP-2800 | CONCRETE PAVING MACHINES, PAVER, 28' WIDE, 4-TRACK | 250 HP | D-off | | $493,520 | 193.03 | 40.20 | 65.80 | 7.30 | 14.53 | 800 |
| | C45GO020 | G-4000 | CONCRETE PAVING MACHINES, PAVER, 28' WIDE, SLIPFORM, CRAWLER, 4-TRACK | 325 HP | D-off | | $535,277 | 213.58 | 43.61 | 71.37 | 7.92 | 18.89 | 1,150 |
| | C45GO025 | C-700 | CONCRETE PAVING MACHINES, CYLINDER FINISHER, DOUBLE DRUM, 60' WIDE | 48 HP | G | | $67,373 | 31.98 | 5.49 | 8.98 | 1.00 | 5.94 | 55 |
| | C45GO031 | 9500 | CONCRETE PAVING MACHINES, TRIMMER/PLACER, W/ 16' HEAD | 325 HP | D-off | | $343,279 | 146.10 | 27.97 | 45.77 | 5.08 | 18.89 | 669 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **MILLER SPREADER CO.** | | | | | | | | | | |
| | C45MJ001 | MC 650 | CONCRETE PAVING MACHINES, CURB BUILDER, 3.7 CF HOPPER 6" AUGER | 15 HP | G | | $7,077 | 5.08 | 0.57 | 0.94 | 0.10 | 1.86 | 8 |
| | | | **M-B-W, INC.** | | | | | | | | | | |
| | C45MW001 | C100 | CONCRETE PAVING MACHINES, RUBBER TIRED, CURB ONLY, 12" | 20 HP | D-off | | $41,837 | 16.00 | 3.20 | 5.16 | 0.62 | 1.16 | 26 |
| | C45MW002 | C101 | CONCRETE PAVING MACHINES, RUBBER TIRED, CURB ONLY, 12" | 20 HP | D-off | | $44,972 | 17.15 | 3.44 | 5.53 | 0.67 | 1.16 | 27 |
| | C45MW003 | CG200 | CONCRETE PAVING MACHINES, RUBBER TIRED, CURB & GUTTER, 48" | 20 HP | D-off | | $54,810 | 20.54 | 4.15 | 6.67 | 0.81 | 1.16 | 38 |
| C55 | CONCRETE PUMPS | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE PUMPS** | | | | | | | | | | |
| | | | **MAYCO PUMP - MULTIQUIP INC.** | | | | | | | | | | |
| | C55M3001 | C-30HD | CONCRETE PUMPS, 25 CY/HR, SINGLE, TRAILER MTD | 30 HP | G | | $18,410 | 9.96 | 1.28 | 2.05 | 0.25 | 3.47 | 27 |
| | C55M3002 | ST-45 | CONCRETE PUMPS, 45 CY/HR, SINGLE, TRAILER MTD | 57 HP | D-off | | $45,927 | 16.88 | 3.21 | 5.17 | 0.62 | 3.06 | 42 |
| | C55M3003 | ST-70 | CONCRETE PUMPS, 70 CY/HR, SINGLE, TRAILER MTD | 106 HP | D-off | | $58,648 | 23.96 | 4.09 | 6.60 | 0.79 | 5.69 | 47 |
| | | | **MORGEN MANUFACTURING CO.** | | | | | | | | | | |
| | C55MO001 | MUSTANG 25, 210-295 | CONCRETE PUMPS, 25 CY/HR, TRAILER MTD | 30 HP | G | | $31,164 | 13.49 | 2.15 | 3.45 | 0.42 | 3.47 | 29 |
| | C55MO019 | MUSTANG 30 | CONCRETE PUMPS, 30 CY/HR, TRAILER MTD | 73 HP | D-off | | $41,429 | 16.76 | 2.85 | 4.60 | 0.55 | 3.92 | 40 |
| | C55MO003 | MUSTANG 9-50,213-185 | CONCRETE PUMPS, 50 CY/HR, TRAILER MTD | 110 HP | D-off | | $57,984 | 24.04 | 4.02 | 6.47 | 0.78 | 5.90 | 65 |
| | C55MO018 | 106-115SV | CONCRETE PUMPS, 115 CY/HR,106' BOOM (ADD 50,000 GVW TRUCK) | | | | $443,395 | 123.17 | 30.70 | 49.52 | 5.94 | 0.00 | 40 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **OLIN ENGINEERING, INC.** | | | | | | | | | | |
| | C55OE006 | 10 22 | CONCRETE PUMP, 22 CY/HR,TRAILER MTD | 74 HP | D-off | | $41,517 | 16.86 | 2.87 | 4.61 | 0.56 | 3.97 | 44 |
| | C55OE009 | 20 80 | CONCRETE PUMP, 76 CY/HR, TRAILER MTD TANDEM | 127 HP | D-off | | $81,766 | 31.83 | 5.64 | 9.09 | 1.09 | 6.81 | 72 |
| | C55OE011 | 15 95 | CONCRETE PUMP, 100 CY/HR, TRAILER MTD TANDEM | 181 HP | D-off | | $73,059 | 33.33 | 5.04 | 8.11 | 0.98 | 9.71 | 70 |
| | C55OE012 | 20 100 | CONCRETE PUMP, 100 CY/HR, TRAILER MTD TANDEM | 181 HP | D-off | | $96,090 | 39.72 | 6.64 | 10.70 | 1.29 | 9.71 | 81 |
| | C55OE001 | 4Z 26X | CONCRETE PUMPS, PUMP & BOOM, 130 CY/HR, REACH: 72'0" HORIZONTAL / 85'0" VERTICAL (ADD TRUCK) | | | | $230,231 | 63.92 | 16.03 | 25.90 | 3.08 | 0.00 | 100 |
| | C55OE002 | 4Z 36X | CONCRETE PUMPS, PUMP & BOOM, 182 CY/HR, REACH: 104'0" HORIZONTAL / 118'0" VERTICAL (ADD TRUCK) | | | | $295,786 | 82.13 | 20.60 | 33.28 | 3.96 | 0.00 | 100 |
| | C55OE003 | 5RZ 47I | CONCRETE PUMPS, PUMP & BOOM, 182 CY/HR, REACH: 134'0" HORIZONTAL / 152'0" VERTICAL (ADD TRUCK) | | | | $450,736 | 125.15 | 31.40 | 50.71 | 6.04 | 0.00 | 100 |
| | | | **SCHWING AMERICA INC.** | | | | | | | | | | |
| | C55SC001 | WP750 D-18X | CONCRETE PUMP, 70 CY/HR, 1100 PSI, TRAILER MTD | 80 HP | D-off | | $66,474 | 24.23 | 4.62 | 7.45 | 0.89 | 4.29 | 69 |
| | C55SC002 | BPA 2000HDD-20R | CONCRETE PUMP, 67 CY/HR, 1565 PSI, TRAILER MTD | 177 HP | D-off | | $145,173 | 53.04 | 10.05 | 16.21 | 1.94 | 9.49 | 115 |
| | C55SC005 | BPL 900/KVM 23 | CONCRETE PUMP, 117 CY/HR, 75' BOOM, TRUCK MTD | 210 HP | D-on | | $209,126 | 75.86 | 14.38 | 23.15 | 2.80 | 13.15 | 359 |
| | C55SC006 | BPL 900/KVM 28 | CONCRETE PUMP, 117 CY/HR, 92' BOOM, TRUCK MTD | 210 HP | D-on | | $273,435 | 93.72 | 18.86 | 30.39 | 3.66 | 13.15 | 470 |
| **C60** | **CONCRETE SAWS (Add cost for sawblade wear)** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE SAWS (Add cost for sawblade wear)** | | | | | | | | | | |
| | | | **CUSHION CUT, INC.** | | | | | | | | | | |
| | C60CQ011 | FS 6500/14 | CONCRETE SAW, 4.625" DEPTH, 14" BLADE (ADD COST FOR SAWBLADE WEAR & WATER) | 65 HP | G | | $15,027 | 18.98 | 1.34 | 2.25 | 0.21 | 9.65 | 13 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C60* | | | *CUSHION CUT, INC. (continued)* | | | | | | | | | | |
| | C60CQ002 | FS 9B | CONCRETE SAW, 5.625" DEPTH, MANUAL 16" BLADE (ADD COST FOR SAWBLADE WEAR & WATER) | 9 HP | G | | $2,442 | 2.76 | 0.22 | 0.37 | 0.03 | 1.34 | 2 |
| | C60CQ003 | FS 13BUC | CONCRETE SAW, 5.625" DEPTH, MANUAL 16" BLADE (ADD COST FOR SAWBLADE WEAR & WATER) | 13 HP | G | | $2,630 | 3.66 | 0.24 | 0.39 | 0.04 | 1.93 | 2 |
| | C60CQ001 | FS 3500/20 | CONCRETE SAW, 7.75" DEPTH, SELF-PROPELLED, 20" BLADE (ADD COST FOR SAWBLADE WEAR & WATER) | 35 HP | G | | $11,783 | 11.58 | 1.06 | 1.77 | 0.17 | 5.20 | 10 |
| | C60CQ014 | FS 3000/26E | CONCRETE SAW, 10.625" DEPTH, 6" BLADE (ADD COST FOR SAWBLADE WEAR & WATER) | 30 HP | E | | $12,912 | 8.14 | 1.15 | 1.94 | 0.18 | 2.19 | 13 |
| | C60CQ012 | FS 6500/26 | CONCRETE SAW, 10.625" DEPTH, 26" BLADE (ADD COST FOR SAWBLADE WEAR & WATER) | 65 HP | G | | $15,129 | 19.02 | 1.35 | 2.27 | 0.21 | 9.65 | 13 |
| | C60CQ010 | FS 3500/30 | CONCRETE SAW, 12.125" DEPTH, SELF PROPELLED, 30" BLADE,W/TRANSAXLE (ADD COST FOR SAWBLADE WEAR & WATER) | 35 HP | D-off | | $11,834 | 7.87 | 1.06 | 1.78 | 0.17 | 2.40 | 10 |
| | C60CQ013 | FS 6500/36 | CONCRETE SAW, 14.875" DEPTH, 36" BLADE (ADD COST FOR SAWBLADE WEAR & WATER) | 65 HP | G | | $15,231 | 19.05 | 1.35 | 2.28 | 0.21 | 9.65 | 13 |
| | C60CQ016 | FS 7800/36DLS | CONCRETE SAW, 14.875" DEPTH, 36" BLADE (ADD COST FOR SAWBLADE WEAR & WATER) | 75 HP | D-off | | $22,088 | 15.65 | 1.97 | 3.31 | 0.31 | 5.14 | 20 |
| | | | **FELKER** | | | | | | | | | | |
| | C60FE002 | S80/14Z | CONCRETE SAW, 5.00" DEPTH, HAND HELD 14" BLADE (ADD COST FOR SAWBLADE WEAR & WATER) | 2 HP | G | | $1,260 | 0.88 | 0.12 | 0.19 | 0.02 | 0.30 | 1 |
| | C60FE006 | ES 1409 | CONCRETE SAW, 4.625" DEPTH, WALK BEHIND, 14" BLADE (ADD COST FOR SAWBLADE WEAR & WATER) | 9 HP | G | | $2,633 | 2.83 | 0.24 | 0.39 | 0.04 | 1.34 | 2 |
| | C60FE007 | ES 1413 | CONCRETE SAW, 4.625" DEPTH, WALK BEHIND, 14" BLADE (ADD COST FOR SAWBLADE WEAR & WATER) | 13 HP | G | | $2,757 | 3.71 | 0.25 | 0.41 | 0.04 | 1.93 | 2 |
| | C60FE009 | ECII20H | CONCRETE SAW, 7.50" DEPTH, WALK BEHIND, 20" BLADE (ADD COST FOR SAWBLADE WEAR & WATER) | 20 HP | G | | $8,808 | 7.37 | 0.78 | 1.32 | 0.12 | 2.97 | 6 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **BOART LONGYEAR COMPANY** | | | | | | | | | | |
| | C60LY005 | FS 13B | CONCRETE SAW, 7.00" DEPTH, WALK BEHIND(ADD COST FOR SAWBLADE WEAR & WATER) | 13 HP | G | | $2,585 | 3.65 | 0.24 | 0.39 | 0.04 | 1.93 | 2 |
| | C60LY001 | 360-10AP | CONCRETE SAW, RAIL SAW, 15.50" DEPTH, WALL (ADD COMPRESSOR & COST FOR SAWBLADE WEAR & WATER) | 10 HP | G | | $23,289 | 10.61 | 2.08 | 3.49 | 0.33 | 1.49 | 2 |
| | C60LY002 | 360-35HM | CONCRETE SAW, RAIL SAW, 24.50" DEPTH, WALL(ADD COST FOR SAWBLADE WEAR & WATER) | 35 HP | G | | $29,450 | 18.05 | 2.62 | 4.42 | 0.41 | 5.20 | 2 |
| | C60LY011 | WR-400 | CONCRETE SAW, WIRE SAW SYSTEM, HEAVY DUTY (ADD COST FOR WEAR & WATER) | 32 HP | D-off | | $64,583 | 26.89 | 5.76 | 9.69 | 0.91 | 2.19 | 15 |
| **C65** | **CONCRETE VIBRATORS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE VIBRATORS** | | | | | | | | | | |
| | | | **STOW MANUFACTURING, INC.** | | | | | | | | | | |
| | C65ST007 | SV-1 115V | CONCRETE VIBRATOR, 1.375" HEAD, 21' SHAFT (ADD GENERATOR) | 1 HP | E | | $902 | 0.96 | 0.11 | 0.20 | 0.01 | 0.05 | 1 |
| | C65ST008 | SV-2 115V | CONCRETE VIBRATOR, 2.375" HEAD, 21' SHAFT (ADD GENERATOR) | 2 HP | E | | $1,011 | 1.18 | 0.14 | 0.23 | 0.02 | 0.11 | 1 |
| | C65ST009 | SV-3 115V | CONCRETE VIBRATOR, 2.625" HEAD, 21' SHAFT (ADD GENERATOR) | 3 HP | E | | $1,130 | 1.36 | 0.15 | 0.25 | 0.02 | 0.16 | 1 |
| | C65ST013 | G550HC | CONCRETE VIBRATOR, 2.325" HEAD, W/ GAS MOTOR ON CART | 6 HP | G | | $1,909 | 2.71 | 0.25 | 0.43 | 0.03 | 0.59 | 2 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | C65WC005 | B 5000 | CONCRETE VIBRATOR, 1.75" DIA, W/ GAS MOTOR ON CART | 5 HP | G | | $1,549 | 2.28 | 0.20 | 0.35 | 0.02 | 0.54 | 1 |
| | C65WC004 | M 3000 | CONCRETE VIBRATOR, 1.75" DIA, HI-FREQ INTERNAL (ADD 2KV GENERATOR) | 3 HP | E | | $1,231 | 1.61 | 0.16 | 0.28 | 0.02 | 0.16 | 1 |
| | C65WC003 | IREN 57 | CONCRETE VIBRATOR, 2.50" DIA, HI-FREQ INTERNAL (ADD 2KV GENERATOR) | 2 HP | E | | $2,315 | 2.60 | 0.30 | 0.52 | 0.04 | 0.11 | 1 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C75 | CRANES, HYDRAULIC, SELF-PROPELLED | | | | | | | | | | | | |
| | SUBCATEGORY 0.00 | | CRANES, HYDRAULIC, SELF-PROPELLED | | | | | | | | | | |
| | | | BRODERSON MANUFACTURING CORPORATION | | | | | | | | | | |
| | C75BD007 | IC-20-1F | CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 2.5 TON, 15.0 FT, 4X2 | 38 HP | G | | $48,642 | 13.75 | 2.09 | 2.91 | 0.63 | 4.70 | 61 |
| | C75BD008 | IC-35-2C | CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 4.0 TON, 19.2 FT, 4X2 | 42 HP | G | | $58,716 | 15.91 | 2.52 | 3.52 | 0.76 | 5.20 | 74 |
| | C75BD004 | IC-35 | CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 4.0 TON / 19' BOOM, 4X2, NON-ROTATING OPERATOR'S CAB | 42 HP | G | | $66,386 | 17.05 | 2.85 | 3.97 | 0.86 | 5.20 | 74 |
| | C75BD009 | IC-80-3F | CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 8.5 TON, 30.0 FT, 4X2 | 66 HP | G | | $76,544 | 22.72 | 3.28 | 4.56 | 1.00 | 8.17 | 160 |
| | C75BD005 | IC-80-F | CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 9.0 TON / 30' BOOM, 4X2, NON-ROTATING OPERATOR'S CAB | 66 HP | G | | $85,452 | 24.02 | 3.66 | 5.10 | 1.11 | 8.17 | 144 |
| | C75BD006 | IC-200-3D | CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 15.0 TON / 50' BOOM, 4X2, NON-ROTATING OPERATOR'S CAB | 110 HP | G | | $125,006 | 37.52 | 5.34 | 7.42 | 1.63 | 13.61 | 297 |
| | C75BD010 | RT-200-3A | CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 15.0 TON, 49.0 FT, 4X4, | 85 HP | D-off | | $128,771 | 26.20 | 5.52 | 7.67 | 1.68 | 4.94 | 300 |
| | C75BD011 | RT-300-2BO | CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 15.0 TON, 60.0 FT, 4X4, 20'0" OFFSET | 120 HP | D-off | | $232,553 | 44.46 | 9.98 | 13.90 | 3.03 | 6.97 | 473 |
| | | | GROVE CRANES | | | | | | | | | | |
| | C75GV026 | S4000 | CRANES, HYDRAULIC, SELF-PROPELLED, 2.0 TON, 18.0' BOOM, 4X2X2 | 18 HP | G | | $46,317 | 9.90 | 2.00 | 2.80 | 0.60 | 2.23 | 56 |
| | C75GV027 | YB4210 | CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 10.0 TON, 24.0' BOOM, 4X2X2 | 62 HP | G | | $102,964 | 25.87 | 4.42 | 6.16 | 1.34 | 7.67 | 165 |
| | C75GV021 | YB4410 | CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 10.0 TON / 30' BOOM, 4X4, NON-ROTATING OPERATOR'S CAB | 62 HP | G | | $100,531 | 25.56 | 4.32 | 6.02 | 1.31 | 7.67 | 173 |
| | C75GV022 | YB4415XT | CRANES, HYDRAULIC, SELF-PROPELLED, YARD, 15 TON / 52' BOOM, 4X4, NON-ROTATING OPERATOR'S CAB | 110 HP | D-off | | $120,351 | 26.68 | 5.14 | 7.14 | 1.57 | 6.39 | 313 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C75* | | | *GROVE CRANES (continued)* | | | | | | | | | |
| | C75GV006 | RT58D | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 20 TON / 60' BOOM, 4X4, NON-ROTATING OPERATOR'S CAB | 130 HP D-off | | $236,424 | 45.82 | 10.15 | 14.13 | 3.08 | 7.55 | 441 |
| | C75GV028 | RT525E | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 25.0 TON, 75.0' BOOM, 4X4X4 | 145 HP D-off | | $242,178 | 48.44 | 10.33 | 14.35 | 3.15 | 8.43 | 500 |
| | C75GV023 | RT530E | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 30 TON / 95' BOOM, 4X4 | 152 HP D-off | | $289,865 | 58.93 | 12.14 | 16.74 | 3.77 | 8.83 | 580 |
| | C75GV024 | RT640C | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 40 TON / 105' BOOM 4X4 | 152 HP D-off | | $412,240 | 76.79 | 17.46 | 24.17 | 5.37 | 8.83 | 650 |
| | C75GV019 | RT750 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 50 TON / 110' BOOM, 4X4 | 177 HP D-off | | $568,890 | 101.78 | 24.23 | 33.66 | 7.40 | 10.29 | 876 |
| | C75GV014 | RT760 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 60TON / 110' BOOM, 4X4, W/ HOOK BLOCK & BALL | 198 HP D-off | | $609,573 | 109.18 | 26.01 | 36.16 | 7.93 | 11.51 | 909 |
| | C75GV025 | RT870 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 70 TON / 110' BOOM 4X4 | 198 HP D-off | | $683,488 | 119.97 | 29.23 | 40.65 | 8.90 | 11.51 | 1,038 |
| | C75GV020 | RT890 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 90 TON / 114' BOOM, 4X4 | 250 HP D-off | | $716,545 | 129.14 | 30.64 | 42.62 | 9.33 | 14.53 | 1,119 |
| | C75GV016 | RT9100 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 100 TON / 114' BOOM, 4X4, W/ HOOK BLOCK & BALL | 250 HP D-off | | $900,998 | 158.37 | 38.42 | 53.38 | 11.73 | 14.53 | 1,364 |
| | | | **PETTIBONE MICHIGAN LLC** | | | | | | | | | |
| | C75PB001 | 36MK | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 18.0 TON, 64.1' BOOM, 4X4X4 | 127 HP D-off | | $307,206 | 56.28 | 13.18 | 18.35 | 4.00 | 7.38 | 492 |
| | C75PB002 | 40MK | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 20.0 TON, 64.1' BOOM, 4X4X4 | 127 HP D-off | | $317,854 | 57.83 | 13.64 | 18.99 | 4.14 | 7.38 | 492 |
| | | | **TADANO AMERICA CORPORATION** | | | | | | | | | |
| | C75TD003 | TR-300XL-3 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 30 TON / 112' BOOM, 4X4 | 180 HP D-off | | $314,153 | 62.33 | 13.43 | 18.67 | 4.09 | 10.46 | 537 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C75* | | | *TADANO AMERICA CORPORATION (continued)* | | | | | | | | | |
| | C75TD006 | TR-350XL-3 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 35 TON / 155' BOOM, 4X4 | 247 HP D-off | | $368,480 | 75.99 | 15.75 | 21.89 | 4.80 | 14.35 | 621 |
| | C75TD007 | TR-500XL-3 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 50 TON / 175' BOOM, 4X4 | 247 HP D-off | | $593,629 | 108.68 | 25.18 | 34.90 | 7.73 | 14.35 | 882 |
| | C75TD008 | TR-650XL-3 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 65 TON / 180' BOOM, 4X4 | 247 HP D-off | | $550,181 | 104.96 | 23.39 | 32.46 | 7.16 | 14.35 | 945 |
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | C75TE001 | RT230 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 30 TON / 94' BOOM, 4X4 | 130 HP D-off | | $295,575 | 54.83 | 12.67 | 17.64 | 3.85 | 7.55 | 563 |
| | C75TE002 | RT335/40 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 40 TON / 94' BOOM, 4X4 | 152 HP D-off | | $406,500 | 73.28 | 17.42 | 24.25 | 5.29 | 8.83 | 634 |
| | C75TE003 | RT450 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 50 TON / 105' BOOM, 4X4 | 174 HP D-off | | $389,529 | 74.24 | 16.56 | 22.98 | 5.07 | 10.11 | 767 |
| | C75TE004 | RT160 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 60 TON / 115' BOOM, 4X4 | 215 HP D-off | | $472,192 | 86.89 | 19.70 | 27.09 | 6.15 | 12.49 | 905 |
| | C75TE005 | RT175 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 75 TON / 126' BOOM, 4X4 | 260 HP D-off | | $640,932 | 115.08 | 27.01 | 37.33 | 8.34 | 15.11 | 982 |
| | C75TE006 | RT190 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN, 90 TON / 124' BOOM, 4X4 | 260 HP D-off | | $693,056 | 122.69 | 29.27 | 40.50 | 9.02 | 15.11 | 1,106 |
| | C75TE007 | RT110 | CRANES, HYDRAULIC, SELF-PROPELLED, ROUGH TERRAIN,100 TON / 149' BOOM, 4X4 | 260 HP D-off | | $794,770 | 142.48 | 33.92 | 47.16 | 10.34 | 15.11 | 1,230 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C80 | CRANES, HYDRAULIC, TRUCK MOUNTED | | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **UNDER 26 TON** | | | | | | | | | | |
| | | | **LINK BELT CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | | |
| | C80LB006 | HTC-814 | CRANES, HYDRAULIC, TRUCK MTD, 14 TON / 80' BOOM, 6X4 | 200 HP | D-off | | $329,964 | 56.95 | 14.15 | 19.71 | 4.29 | 9.83 | 486 |
| | C80LB005 | ATC-822 | CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 22 TON / 70' BOOM, 4X4 | 190 HP | D-off | | $284,589 | 50.45 | 12.19 | 16.98 | 3.70 | 9.34 | 392 |
| | | | **TEREX CORPORATION** | | | | | | | | | | |
| | C80TE005 | T 220 | CRANES, HYDRAULIC, TRUCK MTD, 20 TON, 94' BOOM, 6X4X2 | 242 HP | D-off | | $246,973 | 49.36 | 10.54 | 14.66 | 3.21 | 11.90 | 472 |
| | C80TE006 | T 225 | CRANES, HYDRAULIC, TRUCK MTD, 25 TON, 94' BOOM, 6X4X2 | 242 HP | D-off | | $246,973 | 49.36 | 10.54 | 14.66 | 3.21 | 11.90 | 472 |
| | **SUBCATEGORY 0.02** | | **26 TON THRU 65 TON** | | | | | | | | | | |
| | | | **GROVE CRANES** | | | | | | | | | | |
| | C80GV025 | TMS-540 | CRANES, HYDRAULIC, TRUCK MTD, 40 TON / 90' BOOM, 6X4 | 300 HP | D-off | | $428,031 | 71.80 | 16.79 | 22.54 | 5.52 | 14.75 | 540 |
| | C80GV027 | TMS640 | CRANES, HYDRAULIC, TRUCK MTD, 40 TON, 105' BOOM, 8X4X4 | 250 HP | D-off | | $470,225 | 74.00 | 18.37 | 24.61 | 6.06 | 12.29 | 743 |
| | C80GV006 | TMS-700B | CRANES, HYDRAULIC, TRUCK MTD, 50 TON / 110' BOOM, 8X4 | 400 HP | D-off | | $524,269 | 90.05 | 20.56 | 27.60 | 6.76 | 19.67 | 771 |
| | C80GV029 | TMS750E | CRANES, HYDRAULIC, TRUCK MTD, 50 TON, 110' BOOM, 8X4X4 | 400 HP | D-off | | $603,457 | 100.06 | 23.59 | 31.62 | 7.78 | 19.67 | 947 |
| | C80GV028 | AT700D | CRANES, HYDRAULIC, TRUCK MTD, 50 TON, 110' BOOM, 8X8X8 | 400 HP | D-off | | $601,872 | 99.88 | 23.53 | 31.54 | 7.76 | 19.67 | 856 |
| | C80GV026 | GMK 3050 | CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 55 TON / 125' BOOM, 8X4 | 349 HP | D-off | | $577,940 | 93.52 | 22.62 | 30.33 | 7.45 | 17.16 | 745 |
| | C80GV030 | TMS760E | CRANES, HYDRAULIC, TRUCK MTD, 60 TON, 110' BOOM, 8X4X4 | 400 HP | D-off | | $604,183 | 100.15 | 23.62 | 31.66 | 7.79 | 19.67 | 949 |
| | | | **LINK BELT CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | | |
| | C80LB007 | HTC-830 | CRANES, HYDRAULIC, TRUCK MTD, 30 TON / 80' BOOM, 6X4 | 200 HP | D-off | | $331,353 | 53.78 | 12.93 | 17.32 | 4.27 | 9.83 | 486 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | ENGINE HORSEPOWER - FUEL TYPE CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C80* | | | *LINK BELT CONSTRUCTION EQUIPMENT CO. (continued)* | | | | | | | | | | |
| | C80LB004 | HTC-8640 | CRANES, HYDRAULIC, TRUCK MTD, 40 TON / 105' BOOM, 6X4 | 350 HP | D-off | | $390,625 | 70.74 | 15.28 | 20.47 | 5.04 | 17.21 | 595 |
| | C80LB003 | HTC-8650 | CRANES, HYDRAULIC, TRUCK MTD, 50 TON / 110' BOOM, 8X4 | 365 HP | D-off | | $470,960 | 81.69 | 18.37 | 24.60 | 6.07 | 17.95 | 818 |
| | | | **LINK-BELT CONSTRUCTION EQUIPMENT COMPANY** | | | | | | | | | | |
| | C80LI009 | HTC-8640 | CRANES, HYDRAULIC, TRUCK MTD, 40 TON, 105' BOOM, 6X4X2 | 350 HP | D-off | | $381,412 | 69.66 | 14.90 | 19.96 | 4.92 | 17.21 | 575 |
| | C80LI010 | HTC-8650 | CRANES, HYDRAULIC, TRUCK MTD, 50 TON, 110' BOOM, 8X4X4 | 315 HP | D-off | | $454,824 | 76.39 | 17.75 | 23.78 | 5.86 | 15.49 | 757 |
| | C80LI011 | HTC-8660 | CRANES, HYDRAULIC, TRUCK MTD, 60 TON, 110' BOOM, 8X4X4 | 365 HP | D-off | | $479,025 | 82.74 | 18.68 | 25.00 | 6.18 | 17.95 | 825 |
| | | | **TEREX CORPORATION** | | | | | | | | | | |
| | C80TE001 | T230 | CRANES, HYDRAULIC, TRUCK MTD, 30 TON / 94' BOOM, 6X4 | 250 HP | D-off | | $371,884 | 61.83 | 14.55 | 19.52 | 4.79 | 12.29 | 506 |
| | C80TE002 | T335/40 | CRANES, HYDRAULIC, TRUCK MTD, 40 TON / 94' BOOM, 6X4 | 250 HP | D-off | | $298,485 | 53.01 | 11.65 | 15.59 | 3.85 | 12.29 | 493 |
| | C80TE003 | T 500 | CRANES, HYDRAULIC, TRUCK MTD, 50 TON / 110' BOOM, 8X4 | 370 HP | D-off | | $396,731 | 73.01 | 15.44 | 20.66 | 5.11 | 18.19 | 806 |
| | C80TE007 | T 560 | CRANES, HYDRAULIC, TRUCK MTD, 60 TON, 110' BOOM, 8X4X4, 32 FT | 316 HP | D-off | | $392,422 | 68.90 | 15.30 | 20.47 | 5.06 | 15.54 | 736 |
| | **SUBCATEGORY 0.03** | | **66 TON THRU 125 TON** | | | | | | | | | | |
| | | | **GROVE CRANES** | | | | | | | | | | |
| | C80GV020 | TMS-870 | CRANES, HYDRAULIC, TRUCK MTD, 70 TON / 110' BOOM, 8X4 | 400 HP | D-off | | $694,681 | 107.39 | 25.13 | 32.49 | 8.88 | 19.67 | 9,161 |
| | C80GV031 | TMS875C | CRANES, HYDRAULIC, TRUCK MTD, 75 TON, 110' BOOM, 8X4X4 | 400 HP | D-off | | $680,994 | 106.01 | 24.60 | 31.77 | 8.71 | 19.67 | 817 |
| | C80GV023 | GMK 4085B | CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 85 TON / 125' BOOM, 8X4 | 335 HP | D-off | | $881,413 | 124.85 | 31.93 | 41.31 | 11.27 | 16.47 | 896 |
| | C80GV032 | GMK4090 | CRANES, HYDRAULIC, TRUCK MTD, 90 TON, 142' BOOM, 8X6X8 | 422 HP | D-off | | $934,359 | 140.21 | 33.64 | 43.37 | 11.95 | 20.75 | 1,184 |
| | C80GV022 | TMS-9120 | CRANES, HYDRAULIC, TRUCK MTD, 120 TON / 110' BOOM, 8X4 | 400 HP | D-off | | $1,190,501 | 164.96 | 43.17 | 55.90 | 15.22 | 19.67 | 1,095 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **LINK BELT CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | |
| | C80LB001 | HTC-8670 | CRANES, HYDRAULIC, TRUCK MTD, 70 TON /115' BOOM, 8X4 | 365 HP D-off | | $540,271 | 87.36 | 19.48 | 25.14 | 6.91 | 17.95 | 936 |
| | C80LB002 | HTC-11100 | CRANES, HYDRAULIC, TRUCK MTD, 100 TON /115' BOOM, 8X4 | 430 HP D-off | | $725,952 | 113.50 | 26.17 | 33.77 | 9.28 | 21.14 | 1,139 |
| | | | **TADANO AMERICA CORPORATION** | | | | | | | | | |
| | C80TD001 | ATF-650XL | CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 65 TON / 132' BOOM, 8X8 | 121 HP D-off | 349 HP D-on | $603,498 | 84.93 | 21.55 | 27.65 | 7.72 | 9.59 | 1,090 |
| | C80TD002 | ATF-1000XL | CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 100 TON / 138' BOOM, 8X8 | 158 HP D-off | 375 HP D-on | $753,126 | 104.88 | 26.99 | 34.72 | 9.63 | 11.69 | 1,070 |
| | **SUBCATEGORY 0.04** | | **OVER 125 TON** | | | | | | | | | |
| | | | **GROVE CRANES** | | | | | | | | | |
| | C80GV013 | GMK 5150B | CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 150 TON / 173' BOOM, 10X8 | 165 HP D-off | 526 HP D-on | $1,253,708 | 161.56 | 42.37 | 52.84 | 15.95 | 13.60 | 1,180 |
| | C80GV014 | GMK 5175 | CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 175 TON / 173' BOOM, 10X8 | 165 HP D-off | 526 HP D-on | $1,601,663 | 200.54 | 54.19 | 67.62 | 20.38 | 13.60 | 1,336 |
| | C80GV015 | GMK 5210 | CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 210 TON / 173' BOOM, 10X8 | 165 HP D-off | 571 HP D-on | $1,721,728 | 214.62 | 58.28 | 72.73 | 21.91 | 14.07 | 2,348 |
| | C80GV016 | GMK 6300B | CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 300 TON / 173' BOOM, 12X8 | 269 HP D-off | 533 HP D-on | $2,198,577 | 274.75 | 74.42 | 92.90 | 27.97 | 18.79 | 1,425 |
| | | | **TADANO AMERICA CORPORATION** | | | | | | | | | |
| | C80TD005 | ATF-1500XL | CRANES, HYDRAULIC, TRUCK MTD, ALL TERRAIN, 150 TON / 162' BOOM, 10X8 | 533 HP D-off | 503 HP D-on | $903,947 | 145.50 | 30.23 | 37.46 | 11.50 | 31.46 | 1,330 |
| **C85** | **CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED** | | | | | | | | | | | |
| | **SUBCATEGORY 0.12** | | **DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY** | | | | | | | | | |
| | | | **LINK BELT CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | |
| | C85LB019 | LS-208H II | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 80 TON / 100' BOOM (ADD BUCKET) | 263 HP D-off | | $630,121 | 97.80 | 24.19 | 31.51 | 8.43 | 10.97 | 1,480 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C85* | | | *LINK BELT CONSTRUCTION EQUIPMENT CO. (continued)* | | | | | | | | | |
| | C85LB020 | LS-218H II | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 100 TON / 100' BOOM (ADD BUCKET) | 263 HP D-off | | $828,173 | 123.62 | 31.78 | 41.41 | 11.07 | 10.97 | 1,773 |
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | C85TE001 | 5220 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 50 TON / 100' BOOM (ADD BUCKET) | 150 HP D-off | | $536,976 | 78.94 | 20.61 | 26.85 | 7.18 | 6.26 | 831 |
| | C85TE002 | 7225 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 85 TON / 100' BOOM (ADD BUCKET) | 250 HP D-off | | $746,900 | 112.26 | 28.67 | 37.35 | 9.99 | 10.43 | 1,259 |
| | **SUBCATEGORY 0.13** | | **DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY** | | | | | | | | | |
| | | | **LINK BELT CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | |
| | C85LB021 | LS-238H | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 150 TON / 100' BOOM (ADD BUCKET) | 207 HP D-off | | $916,450 | 124.94 | 32.53 | 40.73 | 12.16 | 8.64 | 2,435 |
| | C85LB022 | LS-248H II | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 200 TON / 120' BOOM (ADD BUCKET) | 248 HP D-off | | $1,226,391 | 165.64 | 43.53 | 54.51 | 16.27 | 10.35 | 3,228 |
| | | | **MANITOWOC ENGINEERING CO.** | | | | | | | | | |
| | C85MA001 | 3900 VICON | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 3.5 CY /80' BOOM (ADD BUCKET) | 335 HP D-off | | $941,323 | 134.82 | 33.41 | 41.84 | 12.49 | 13.98 | 1,988 |
| | C85MA002 | 4100W VICON #1 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 5.0 CY /130' BOOM (ADD BUCKET) | 335 HP D-off | | $1,518,297 | 206.55 | 53.88 | 67.48 | 20.14 | 13.98 | 3,815 |
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | C85TE003 | 9225 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 150 TON / 100' BOOM (ADD BUCKET) | 335 HP D-off | | $940,045 | 134.66 | 33.36 | 41.78 | 12.47 | 13.98 | 2,482 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.14** | | **DRAGLINE, CLAMSHELL, OVER 5.0 CY** | | | | | | | | | |
| | | | **LINK BELT CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | |
| | C85LB023 | LS-278H | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 250 TON / 120' BOOM (ADD BUCKET) | 440 HP D-off | | $1,493,282 | 202.27 | 49.59 | 59.73 | 19.72 | 18.36 | 4,313 |
| | | | **MANITOWOC ENGINEERING CO.** | | | | | | | | | |
| | C85MA003 | 4600 VICON #3 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 7.0 CY /140' BOOM (ADD BUCKET) | 680 HP D-off | | $1,777,212 | 249.20 | 59.02 | 71.09 | 23.47 | 28.37 | 5,100 |
| | C85MA009 | 888 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, DRAGLINE/CLAMSHELL, 10 CY / 70' BOOM (ADD BUCKET) | 330 HP D-off | | $1,180,193 | 158.91 | 39.19 | 47.21 | 15.58 | 13.77 | 3,397 |
| | **SUBCATEGORY 0.22** | | **LIFTING, 26 TON THRU 50 TON** | | | | | | | | | |
| | | | **KOBELCO AMERICA INC.** | | | | | | | | | |
| | C85KC007 | CK550 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 50 TON, 30.0' BOOM, LIFTING | 178 HP D-off | | $493,061 | 61.34 | 17.50 | 21.91 | 6.54 | 5.57 | 1,001 |
| | | | **LINK BELT CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | |
| | C85LB018 | LS-108H II | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 50 TON / 70' BOOM, LIFTING | 147 HP D-off | | $401,870 | 50.07 | 14.26 | 17.86 | 5.33 | 4.60 | 1,040 |
| | **SUBCATEGORY 0.23** | | **LIFTING, 51 TON THRU 150 TON** | | | | | | | | | |
| | | | **KOBELCO AMERICA INC.** | | | | | | | | | |
| | C85KC004 | CK550 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 55 TON / 160' BOOM, LIFTING | 178 HP D-off | | $532,862 | 65.11 | 18.11 | 22.65 | 6.78 | 5.57 | 1,071 |
| | C85KC005 | CK850 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 85 TON / 180' BOOM, LIFTING | 213 HP D-off | | $614,181 | 75.34 | 20.86 | 26.10 | 7.81 | 6.66 | 1,729 |
| | C85KC003 | CK1000 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 100 TON / 200' BOOM, LIFTING | 265 HP D-off | | $843,890 | 102.43 | 28.68 | 35.87 | 10.74 | 8.29 | 1,899 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **LINK BELT CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | |
| | C85LB013 | LS-208H II | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 80 TON / 190' BOOM, LIFTING | 263 HP D-off | | $663,904 | 82.77 | 22.56 | 28.22 | 8.45 | 8.23 | 1,456 |
| | C85LB014 | LS-218H II | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 110 TON / 230' BOOM, LIFTING | 263 HP D-off | | $871,148 | 105.32 | 29.59 | 37.02 | 11.08 | 8.23 | 1,906 |
| | C85LB015 | LS-238H | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 150 TON / 240' BOOM, LIFTING | 207 HP D-off | | $981,479 | 115.11 | 33.35 | 41.71 | 12.49 | 6.48 | 2,553 |
| | | | **LINK-BELT CONSTRUCTION EQUIPMENT COMPANY** | | | | | | | | | |
| | C85LI001 | LS-138H SERIES II | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 80 TON, 40' TUBULAR BOOM, LIFTING | 207 HP D-off | | $587,263 | 72.19 | 19.95 | 24.96 | 7.47 | 6.48 | 1,454 |
| | | | **MANITOWOC ENGINEERING CO.** | | | | | | | | | |
| | C85MA004 | 3900 VICON | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 100 TON / 210' BOOM, LIFTING | 335 HP D-off | | $968,143 | 118.75 | 32.90 | 41.15 | 12.32 | 10.48 | 2,354 |
| | C85MA008 | 3950W | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 125 TON / 260' BOOM, LIFTING | 335 HP D-off | | $1,239,399 | 148.27 | 42.11 | 52.67 | 15.77 | 10.48 | 3,121 |
| | C85MA005 | 3900W VICON #2 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 140 TON / 250' BOOM, LIFTING | 335 HP D-off | | $1,106,321 | 133.79 | 37.59 | 47.02 | 14.08 | 10.48 | 2,744 |
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | C85TE008 | HC 80 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 80 TON / 200' BOOM, LIFTING | 184 HP D-off | | $582,353 | 70.73 | 19.79 | 24.75 | 7.41 | 5.76 | 1,527 |
| | C85TE009 | HC 100 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 100 TON / 230' BOOM, LIFTING | 230 HP D-off | | $725,131 | 88.11 | 24.64 | 30.82 | 9.23 | 7.20 | 2,033 |
| | C85TE010 | HC 125 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 125 TON / 240' BOOM, LIFTING | 240 HP D-off | | $921,897 | 109.93 | 31.32 | 39.18 | 11.73 | 7.51 | 2,128 |
| | **SUBCATEGORY 0.24** | | **LIFTING, OVER 150 TON** | | | | | | | | | |
| | | | **AMERICAN CRANE CORPORATION** | | | | | | | | | |
| | C85AM016 | HC 185 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 185 TON, 50' BOOM, LIFTING | 315 HP D-off | | $1,051,127 | 123.98 | 33.60 | 40.61 | 13.29 | 9.86 | 2,804 |
| | C85AM017 | HC 210 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 210 TON, 50' BOOM, LIFTING | 315 HP D-off | | $1,122,497 | 131.53 | 35.88 | 43.37 | 14.19 | 9.86 | 3,344 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **KOBELCO AMERICA INC.** | | | | | | | | | |
| | C85KC008 | CK2000 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 200 TON, 50' BOOM, LIFTING | 316 HP D-off | | $1,118,280 | 131.13 | 35.75 | 43.21 | 14.14 | 9.89 | 3,622 |
| | C85KC006 | CK2500 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 250 TON / 280' BOOM, LIFTING | 279 HP D-off | | $1,575,723 | 178.01 | 50.36 | 60.88 | 19.92 | 8.73 | 4,985 |
| | | | **LINK BELT CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | |
| | C85LB016 | LS-248H II | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 200 TON / 280' BOOM, LIFTING | 248 HP D-off | | $1,277,756 | 145.23 | 40.84 | 49.37 | 16.15 | 7.76 | 3,341 |
| | C85LB017 | LS-278H | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 250 TON / 330' BOOM, LIFTING | 440 HP D-off | | $1,671,344 | 194.66 | 53.42 | 64.57 | 21.13 | 13.77 | 4,309 |
| | | | **MANITOWOC ENGINEERING CO.** | | | | | | | | | |
| | C85MA006 | 4100W VICON #1 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 200 TON / 260' BOOM, LIFTING | 335 HP D-off | | $1,449,180 | 166.89 | 46.32 | 55.99 | 18.32 | 10.48 | 3,929 |
| | C85MA010 | 888 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 230 TON / 300' BOOM, LIFTING | 330 HP D-off | | $1,475,890 | 169.52 | 47.17 | 57.02 | 18.66 | 10.33 | 3,697 |
| | C85MA007 | 4600 VICON #3 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 240 TON / 260' BOOM, LIFTING | 431 HP D-off | | $2,281,462 | 258.84 | 72.92 | 88.15 | 28.84 | 13.49 | 4,942 |
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | C85TE014 | HC 185 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 185 TON / 280' BOOM, LIFTING | 315 HP D-off | | $1,242,219 | 144.18 | 39.70 | 47.99 | 15.70 | 9.86 | 3,076 |
| | C85TE011 | HC 210 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 210 TON / 280' BOOM, LIFTING | 315 HP D-off | | $1,360,231 | 156.66 | 43.47 | 52.55 | 17.19 | 9.86 | 3,708 |
| | C85TE012 | 9310-A | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 225 TON / 280' BOOM, LIFTING | 335 HP D-off | | $1,365,130 | 158.00 | 43.63 | 52.74 | 17.26 | 10.48 | 3,984 |
| | C85TE013 | 9320 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER, 250 TON / 280' BOOM, LIFTING | 335 HP D-off | | $1,498,331 | 172.09 | 47.89 | 57.89 | 18.94 | 10.48 | 4,273 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C90** | **CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED** | | | | | | | | | | | | | |
| | **SUBCATEGORY 0.04** | | **OVER 125 TON** | | | | | | | | | | | |
| | | | **LINK BELT CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | | | |
| | C90LB001 | HC-238H II | CRANES, MECHANICAL, LATTICE BOOM, TRUCK MTD, 150 TON / 260' BOOM, 8X4 | 207 HP | D-off | 430 HP | D-on | $1,202,125 | 151.69 | 39.67 | 47.59 | 15.87 | 11.76 | 1,913 |
| | C90LB002 | HC-248H | CRANES, MECHANICAL, LATTICE BOOM, TRUCK MTD, 200 TON / 280' BOOM, 8X4 | 248 HP | D-off | 430 HP | D-on | $1,385,736 | 173.99 | 45.77 | 54.93 | 18.30 | 13.35 | 2,476 |
| | C90LB003 | HC-278H | CRANES, MECHANICAL, LATTICE BOOM, TRUCK MTD, 300 TON / 330' BOOM, 12X6 | 360 HP | D-off | 430 HP | D-on | $2,199,431 | 271.18 | 72.66 | 87.23 | 29.04 | 17.69 | 3,385 |
| **C95** | **CRANES, TOWER** | | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CRANES, TOWER** | | | | | | | | | | | |
| | | | **PECCO AND WOLFF TOWER CRANES** | | | | | | | | | | | |
| | C95AP004 | SK200 | TOWER CRANE, 3.4 TON @ 181' RADIUS 42.6' HEIGHT (ADD 95KW GENERATOR & T-SECTION) | 128 HP | E | | | $431,365 | 65.52 | 15.31 | 19.17 | 5.72 | 6.74 | 970 |
| | C95AP005 | S16-35 TOWER SECTION | TOWER CRANE OPTION, 1.1' T-TRANSITION S35 - S16 (ADD SK 140 - SK 225 TOWER CRANE) | | | | | $13,650 | 1.60 | 0.49 | 0.61 | 0.18 | 0.00 | 16 |
| | C95AP006 | S35 TOWER SECTION | TOWER CRANE OPTION, 19.33' TOWER SECTION (ADD TO SK 140 - SK 400 TOWER CRANE) | | | | | $25,512 | 2.99 | 0.91 | 1.13 | 0.34 | 0.00 | 89 |
| | C95AP007 | SK400 | TOWER CRANE, 3.3 TON @ 245' RADIUS, 56.7' HEIGHT (ADD 160 KW GENERATOR & T-SECTION) | 213 HP | E | | | $681,167 | 103.08 | 24.18 | 30.27 | 9.04 | 11.21 | 1,783 |
| | C95AP008 | S35 CLIMBING UNIT | TOWER CRANE OPTION, 29.2' CLIMBING UNIT (ADD TO SK 200 - SK 400 TOWER CRANE) | | | | | $103,977 | 12.70 | 3.69 | 4.62 | 1.38 | 0.00 | 248 |
| | C95AP009 | S35-60 TOWER SECTION | TOWER CRANE OPTION, 19.4' T-TRANSITION S60 S35 (ADD SK 225 - SK 560 TOWER CRANE) | | | | | $34,484 | 4.05 | 1.23 | 1.53 | 0.46 | 0.00 | 99 |
| | C95AP010 | SK560 | TOWER CRANE, 2.8 TON @ 265' RADIUS, 76.5' HEIGHT (ADD 161 KW GENERATOR &T-SECTION) | 217 HP | E | | | $910,534 | 130.35 | 32.32 | 40.47 | 12.08 | 11.43 | 1,557 |
| | C95AP011 | S60 TOWER SECTION | TOWER CRANE OPTION, 19.33' TOWER SECTION (ADD TO SK 225 - SK 560 TOWER CRANE) | | | | | $32,199 | 3.78 | 1.15 | 1.43 | 0.43 | 0.00 | 99 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | ENGINE HORSEPOWER - FUEL TYPE CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | REGION 7 | | | | | | | | | | |
| *C95* | | | *PECCO AND WOLFF TOWER CRANES (continued)* | | | | | | | | | | |
| | C95AP012 | S60 CLIMB UNIT | TOWER CRANE OPTION, 32.8' CLIMBING UNIT (ADD TO SK 225 - SK 560 TOWER CRANE) | | | | $129,909 | 15.73 | 4.61 | 5.77 | 1.72 | 0.00 | 258 |
| | C95AP013 | SN355 | TOWER CRANE, 3.8 TON @ 197' RADIUS, 110' TALL, LUFFING (ADD 300 KW GENERATOR & T-SECTION) | 354 HP | E | | $868,607 | 137.10 | 30.82 | 38.60 | 11.52 | 18.64 | 2,748 |
| | C95AP014 | SN35 TOWER SECTION | TOWER CRANE OPTION, 14.75' TOWER SECTION (ADD TO SN 141 - SN 355 TOWER CRANE) | | | | $29,305 | 3.44 | 1.04 | 1.30 | 0.39 | 0.00 | 89 |
| | C95AP015 | SN35 CLIMBING UNIT | TOWER CRANE OPTION, 29.2' CLIMBING UNIT (ADD TO SN 141 - SN 355 TOWER CRANE) | | | | $113,190 | 13.78 | 4.02 | 5.03 | 1.50 | 0.00 | 248 |
| | C95AP016 | S35N-60TOWER SECTION | TOWER CRANE OPTION, 19.4' T-TRANSITION S60 S35N (ADD SN 141 - SK 355 TOWER CRANE) | | | | $39,475 | 4.62 | 1.40 | 1.75 | 0.52 | 0.00 | 99 |
| | C95AP017 | SK140 | TOWER CRANE, 3.1 TON @ 151' RADIUS, 85.0' HEIGHT (ADD 95KW GENERATOR & T-SECTION) | 125 HP | E | | $367,164 | 56.74 | 13.03 | 16.32 | 4.87 | 6.58 | 1,309 |
| | C95AP018 | S16 TOWER SECTION | TOWER CRANE OPTION, 14.75' TOWER SECTION (ADD TO SK 140 - SK 200 TOWER CRANE) | | | | $12,160 | 1.42 | 0.43 | 0.54 | 0.16 | 0.00 | 55 |
| | C95AP019 | S16 CLIMBING UNIT | TOWER CRANE OPTION, 29.2' CLIMBING UNIT (ADD TO SK140 - SK 200 TOWER CRANE) | | | | $70,266 | 8.74 | 2.49 | 3.12 | 0.93 | 0.00 | 165 |
| | C95AP020 | SN141 | TOWER CRANE, 1.6 TON @ 147' RADIUS, 89' TALL, LUFFING (ADD 200 KW GENERATOR & T-SECTION) | 223 HP | E | | $405,352 | 69.58 | 14.39 | 18.02 | 5.38 | 11.74 | 1,082 |
| | C95AP021 | SN160-16 | TOWER CRANE, 2.8 TON @ 164' RADIUS, 88' TALL, LUFFING (ADD 250 KW GENERATOR & T-SECTION) | 258 HP | E | | $635,027 | 100.49 | 22.53 | 28.22 | 8.42 | 13.58 | 1,179 |
| | C95AP022 | PH5000-12 | TOWER CRANE OPTION, 24 PERSON / 2.4 TON MATERIAL ELEVATOR/HOIST (ADD 4.9' MAST SECTION & 18 KW GENERATOR) | 24 HP | E | | $95,792 | 14.28 | 3.40 | 4.26 | 1.27 | 1.26 | 130 |
| | C95AP023 | MAST SECTION | TOWER CRANE OPTION, 4.9' MAST-> PERSON/MATERIAL ELEVATOR/HOIST (ADD WALL TIE & CABLE GUIDE @30') | | | | $2,262 | 0.26 | 0.08 | 0.10 | 0.03 | 0.00 | 3 |
| | | | **MORROW EQUIPMENT COMPANY, LLC** | | | | | | | | | | |
| | C95LH022 | 97K | TOWER CRANE, HORIZONTAL BOOM, JIB CRANE, 13.2 TON MAX, 1.9 TON @ 148' RADIUS, 66' HEIGHT, SELF/ERECTING, W/ FIVE - 7' 10" TOWER SECTIONS/ & ROAD TRANSPORT EQUIPMENT (ADD 40KW GENERATOR) | 35 HP | E | | $333,122 | 44.34 | 11.76 | 14.68 | 4.42 | 1.84 | 1,593 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | ENGINE HORSEPOWER - FUEL TYPE CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C95* | | | *MORROW EQUIPMENT COMPANY, LLC (continued)* | | | | | | | | | | |
| | C95LH023 | 140K | TOWER CRANE, HORIZONTAL BOOM, JIB CRANE, 11.0 TON MAX, 1.7 TON @ 180' RAD 146' HEIGHT, SELF/ERECTING, W/ EIGHT - 9' 10" TOWER SECTIONS/ & ROAD TRANSPORT EQUIPMENT (ADD 60KW GENERATOR) | 65 HP | E | | $465,605 | 63.54 | 16.44 | 20.52 | 6.18 | 3.42 | 1,836 |
| | C95LH003 | 132 HC | TOWER CRANE, HORIZONTAL BOOM, JIB CRANE, 8.8 TON MAX, 2.4 TON @ 168' RADIUS, 147.8' HEIGHT, W/ FOURTEEN - 8' 2" TOWER SECTIONS (ADD 85 KW GENERATOR) | 109 HP | E | | $375,934 | 56.41 | 13.35 | 16.71 | 4.99 | 5.74 | 1,156 |
| | C95LH005 | 200 HC | TOWER CRANE, HORIZONTAL BOOM, JIB CRANE, 11.0 TON MAX, 2.5 TON @ 201' RADIUS, 162.7' HEIGHT, W/ NINE - 13' 7" TOWER SECTIONS (ADD 110 KW GENERATOR) | 148 HP | E | | $489,268 | 74.03 | 17.37 | 21.75 | 6.49 | 7.79 | 1,374 |
| | C95LH011 | 390 HC | TOWER CRANE, HORIZONTAL BOOM, JIB CRANE, 17.6 TON MAX, 3.3 TON @ 246' RADIUS, 199.1' HEIGHT, W/ NINE - 19' 0" TOWER SECTIONS (ADD 170 KW GENERATOR) | 223 HP | E | | $913,744 | 131.22 | 32.43 | 40.61 | 12.12 | 11.74 | 2,744 |
| | C95LH013 | 550 HC20 | TOWER CRANE, HORIZONTAL BOOM, JIB CRANE, 22.0 TON MAX, 3.8 TON @ 265' RADIUS, 237.5' HEIGHT, W/ TWELVE - 19' 0" TOWER SECTIONS (ADD 170 KW GENERATOR) | 223 HP | E | | $1,166,578 | 160.89 | 41.41 | 51.85 | 15.48 | 11.74 | 3,765 |
| | C95LH015 | 550 HC-L | TOWER CRANE, 26.4 TON MAX, 3/4 TON @ 197' RADIUS, 210' HEIGHT, LUFFING, W/ SIX 19' 0" TOWER SECTION (ADD 480 KW GENERATOR) | 317 HP | E | | $1,554,697 | 216.45 | 55.18 | 69.10 | 20.63 | 16.69 | 5,075 |
| **D10** | **HYDRAULIC TRACK (Add cost for drill steel and bit wear)** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **AIR TRACK (Add cost for drill steel and bit wear)** | | | | | | | | | | |
| | | | **INGERSOLL RAND CO.** | | | | | | | | | | |
| | D10IR003 | ECM350/VL140 | DRILLS, AIR TRACK, CRAWLER, 2.5-4" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 750 CFM COMPRESSOR) | 750 CFM | A | | $119,442 | 20.00 | 4.87 | 6.40 | 1.67 | 0.00 | 129 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **SULLIVAN INDUSTRIES, INC.** | | | | | | | | | |
| | D10SU002 | RAM EXT, VCR360 | DRILLS, AIR TRACK, CRAWLER, 2.5-4" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 750 CFM COMPRESSOR) | 600 CFM A | | $147,149 | 24.46 | 5.99 | 7.88 | 2.05 | 0.00 | 152 |
| | D10SU003 | RAM EXT, VCR361 | DRILLS, AIR TRACK, CRAWLER, 3.0-4" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 900 CFM COMPRESSOR) | 850 CFM A | | $150,548 | 25.01 | 6.14 | 8.07 | 2.10 | 0.00 | 205 |
| | **SUBCATEGORY 0.20** | | **HYDRAULIC TRACK (Add cost for drill steel and bit wear)** | | | | | | | | | |
| | | | **INGERSOLL RAND CO.** | | | | | | | | | |
| | D10IR005 | ECM590/YH80A | DRILLS, HYDRAULIC TRACK, CRAWLER, 2.5-4.5" DIA, 14' DRIFTER TRAVEL, SELF-CONTAINED (ADD COST FOR DRILL STEEL AND BIT WEAR) | 215 HP D-off | | $372,305 | 99.56 | 19.29 | 27.92 | 5.33 | 13.13 | 245 |
| | | | **SULLIVAN INDUSTRIES, INC.** | | | | | | | | | |
| | D10SU005 | SCORPION VCR360 | DRILLS, HYDRAULIC TRACK, CRAWLER, 5.25" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR) | 260 HP D-off | | $163,446 | 57.34 | 8.47 | 12.26 | 2.34 | 15.88 | 265 |
| | D10SU006 | SCORPION VCR361 | DRILLS, HYDRAULIC TRACK, CRAWLER, 6.5" DIA, 12' FEED (ADD COST FOR DRILL STEEL AND BIT WEAR) | 260 HP D-off | | $165,434 | 57.78 | 8.58 | 12.41 | 2.37 | 15.88 | 265 |
| **D15** | **DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear)** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear)** | | | | | | | | | |
| | | | **BOR-IT MANUFACTURING COMPANY INC.** | | | | | | | | | |
| | D15BI001 | 16 | DRILL, HORIZONTAL BORING, 16" DIA, COMBINED HEAD 30,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR) | 16 HP G | | $15,750 | 6.21 | 0.82 | 1.18 | 0.23 | 2.11 | 18 |
| | D15BI002 | 20 | DRILL, HORIZONTAL BORING, 20" DIA, COMBINED HEAD 44,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR) | 20 HP D-off | | $21,220 | 6.02 | 1.10 | 1.59 | 0.30 | 1.22 | 15 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *D15* | | | *BOR-IT MANUFACTURING COMPANY INC. (continued)* | | | | | | | | | |
| | D15BI003 | 24 | DRILL, HORIZONTAL BORING, 24" DIA, COMBINED HEAD 84,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR) | 30 HP D-off | | $33,046 | 9.30 | 1.71 | 2.48 | 0.47 | 1.83 | 38 |
| | D15BI004 | 30 | DRILL, HORIZONTAL BORING, 30" DIA, COMBINED HEAD 170,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR) | 45 HP D-off | | $45,947 | 13.22 | 2.39 | 3.45 | 0.66 | 2.75 | 70 |
| | D15BI005 | 36 | DRILL, HORIZONTAL BORING, 36" DIA, COMBINED HEAD 225,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR) | 68 HP D-off | | $70,103 | 20.09 | 3.63 | 5.26 | 1.00 | 4.15 | 90 |
| | D15BI006 | 48 | DRILL, HORIZONTAL BORING, 48" DIA, COMBINED HEAD 525,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR) | 110 HP D-off | | $109,668 | 31.74 | 5.69 | 8.23 | 1.57 | 6.72 | 170 |
| | D15BI008 | 54 | DRILL, HORIZONTAL BORING, 54" DIA, COMBINED HEAD 32,700,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR) | 171 HP D-off | | $134,357 | 41.87 | 6.96 | 10.08 | 1.92 | 10.45 | 250 |
| | D15BI007 | 60 | DRILL, HORIZONTAL BORING, 60" DIA, COMBINED HEAD 1,100,000# THRUST, W/ 100' AUGER TRACK (ADD COST FOR DRILL STEEL AND BIT WEAR) | 171 HP D-off | | $160,644 | 47.31 | 8.33 | 12.05 | 2.30 | 10.45 | 250 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | D15XX001 | MC-500H | DRILL, HORIZONTAL BORING, 3" - 6" DIA, 15,000 # THRUST, HYDRAULIC MOTOR (ADD COST FOR DRILL STEEL AND BIT WEAR) | | | $6,081 | 1.26 | 0.32 | 0.46 | 0.09 | 0.00 | 10 |
| | D15XX002 | H-12/RM-12 | DRILL, HORIZONTAL BORING, 4" - 12" DIA, 24,000 # THRUST, HYDRAULIC MOTOR (ADD COST FOR DRILL STEEL AND BIT WEAR) | | | $9,166 | 1.90 | 0.48 | 0.69 | 0.13 | 0.00 | 12 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D20 | DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear) | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear)** | | | | | | | | | | |
| | | | **ACKER DRILL COMPANY INC.** | | | | | | | | | | |
| | D20AD005 | 630-E | DRILLS, CORE, COLUMN MOUNTED, 4" DIA MAX CORE HOLE (ADD COST FOR DRILL STEEL AND BIT WEAR) | 2 HP | E | | $4,210 | 1.48 | 0.26 | 0.39 | 0.06 | 0.13 | 1 |
| | D20AD002 | 930-E | DRILLS, CORE, COLUMN MOUNTED, 10" DIA MAX CORE HOLE (ADD COST FOR DRILL STEEL AND BIT WEAR) | 2 HP | E | | $4,275 | 1.50 | 0.26 | 0.40 | 0.06 | 0.13 | 2 |
| | D20AD006 | 1040-E | DRILLS, CORE, COLUMN MOUNTED, 10" DIA MAX CORE HOLE (ADD COST FOR DRILL STEEL AND BIT WEAR) | 4 HP | E | | $6,970 | 2.53 | 0.43 | 0.65 | 0.10 | 0.26 | 1 |
| | D20AD007 | 1200-G | DRILLS, CORE, COLUMN MOUNTED, 12" DIA MAX CORE HOLE (ADD COST FOR DRILL STEEL AND BIT WEAR) | 8 HP | E | | $11,498 | 4.46 | 0.71 | 1.08 | 0.17 | 0.52 | 3 |
| | | | **CUSHION CUT, INC.** | | | | | | | | | | |
| | D20CQ001 | HCD24/12 | DRILLS, CORE, COLUMN MOUNTED, 9"-36" BIT DIA (ADD COST FOR DRILL STEEL AND BIT WEAR) | 42 HP | G | | $26,978 | 14.80 | 1.66 | 2.53 | 0.39 | 5.54 | 11 |
| | | | **BOART LONGYEAR COMPANY** | | | | | | | | | | |
| | D20LY001 | 752 | DRILLS, CORE, COLUMN MOUNTED, W/ E4-230/110 MOTOR (110V) (ADD COST FOR DRILL STEEL AND BIT WEAR) | 3 HP | E | | $6,200 | 2.33 | 0.38 | 0.58 | 0.09 | 0.19 | 2 |
| | D20LY002 | 42N | DRILLS, CORE, COLUMN MOUNTED, W/ A4-350 MOTOR ( ADD COST FOR DRILL STEEL AND BIT WEAR AND ADD AIR COMPRESSOR) | 185 CFM | A | | $6,409 | 2.18 | 0.39 | 0.60 | 0.09 | 0.00 | 3 |

## Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D25 | DRILLS, CORE, SKID MOUNTED (Add cost for drill steel and bit wear) | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **DRILLS, CORE, SKID MOUNTED (Add cost for drill steel and bit wear)** | | | | | | | | | |
| | | | **ACKER DRILL COMPANY INC.** | | | | | | | | | |
| | D25AD004 | ACEW | DRILLS, CORE, SKID MTD, 725' MAX DRILL DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR) | 28 HP D-off | | $59,851 | 15.39 | 3.11 | 4.49 | 0.86 | 1.71 | 35 |
| | D25AD003 | BUSH MASTER | DRILLS, CORE, SKID MTD, NX, 1500' MAX DRILL DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR) | 69 HP D-off | | $75,020 | 21.98 | 3.89 | 5.63 | 1.07 | 4.22 | 45 |
| | | | **E-Z DRILL, INC.** | | | | | | | | | |
| | D25EZ002 | 210 B | DRILLS, CORE, SKID MTD, HORIZONTAL DOWELLING ASSEMBLY, 18" DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 100 CFM COMPRESSOR) | 100 CFM A | | $6,979 | 2.03 | 0.35 | 0.49 | 0.10 | 0.00 | 3 |
| | D25EZ003 | 210 SRA | DRILLS, CORE, SKID MTD, HORIZONTAL DOWELLING ASSEMBLY, 18" DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 100 CFM COMPRESSOR) | 100 CFM A | | $7,442 | 2.15 | 0.38 | 0.54 | 0.11 | 0.00 | 3 |
| | D25EZ001 | 210 SR HORIZONTAL | DRILLS, CORE, SKID MTD, HORIZONTAL DOWELLING ASSEMBLY, 18" DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 100 CFM COMPRESSOR) | 100 CFM A | | $8,164 | 2.30 | 0.43 | 0.61 | 0.12 | 0.00 | 3 |
| | D25EZ005 | 210-3 SRA | DRILLS, CORE, DOWELLING MACHINE, SELF PROPELLED, 18" DEPTH (ADD COST FOR DRILL STEEL AND BIT WEAR, ADD 100 CFM COMPRESSOR) | 100 CFM A | | $27,710 | 7.35 | 1.42 | 2.04 | 0.40 | 0.00 | 12 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D30 | DRILLS, EARTH / AUGER (Add cost for drill steel and cutting edge wear) | | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **DRILLS, EARTH / AUGER (Add cost for drill steel and cutting edge wear)** | | | | | | | | | | | |
| | | | **HYDRAULIC POWER SYSTEMS, INC.** | | | | | | | | | | | |
| | D30HD001 | H-15 | DRILL, AUGER, HYDRAULIC, W /60' 8" X 21" LEADS, 15,000 FT-LBS TORQUE (ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR AND CRANE) | 210 HP | D-off | | | $96,567 | 40.52 | 5.00 | 7.24 | 1.38 | 12.83 | 146 |
| | D30HD002 | H-35VT | DRILL, AUGER, HYDRAULIC, W/ 60' 8" X 27" LEADS, 33,000 FT-LBS TORQUE (ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR AND CRANE) | 270 HP | D-off | | | $145,032 | 57.12 | 7.52 | 10.88 | 2.08 | 16.49 | 200 |
| | D30HD003 | H-50VT | DRILL, AUGER, HYDRAULIC, W/ 60' 8" X 33" LEADS, 50,000 FT-LBS TORQUE ( (ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR AND CRANE) | 335 HP | D-off | | | $188,892 | 73.12 | 9.79 | 14.17 | 2.70 | 20.47 | 269 |
| | | | **MOBILE DRILLING COMPANY, INC.** | | | | | | | | | | | |
| | D30MR001 | MINUTEMAN | DRILLS, EARTH / AUGER, W/AUGER KIT, 3" DIA, 30' DEPTH, 350 FT-LBS TORQUE, PORTABLE (ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR) | 8 HP | G | | | $8,171 | 3.28 | 0.43 | 0.61 | 0.12 | 1.06 | 4 |
| | D30MR003 | B-31 | DRILLS, EARTH / AUGER, HYDRAULIC AUGER, 14" DIA, 30' DEPTH, 3,500 FT-LBS TORQUE, TRAILER MOUNTED (ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR) | 58 HP | D-off | | | $81,725 | 22.76 | 4.21 | 6.07 | 1.17 | 3.54 | 42 |
| | D30MR005 | B-53 | DRILLS, EARTH / AUGER, MULTI-PURPOSE, 6" DIA, 245' DEPTH, 5,955 FT-LBS TORQUE, W/ 21,000 GVW TRUCK (W/ PTO DRIVE)(ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR) | 100 HP | D-on | 2,205 HP | D-on | $150,169 | 73.84 | 7.70 | 11.09 | 2.15 | 30.15 | 120 |
| | D30MR006 | B-58 | DRILLS, EARTH / AUGER, MULTI-PURPOSE, 8" DIA, 250' DEPTH, 7,000 FT-LBS TORQUE W/ 33,000 GVW TRUCK(ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR) | 115 HP | D-off | 205 HP | D-on | $172,857 | 50.56 | 8.87 | 12.79 | 2.47 | 9.17 | 130 |

## Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *D30* | | | *MOBILE DRILLING COMPANY, INC. (continued)* | | | | | | | | | |
| | D30MR007 | B-61HDX | DRILLS, EARTH / AUGER, MULTI-PURPOSE, 8" DIA, 375' DEPTH, 20,000 FT-LBS TORQUE W/ 33,000 GVW TRUCK(ADD COST FOR DRILL STEEL AND CUTTING EDGE WEAR) | 115 HP D-off | 205 HP D-on | $245,799 | 66.60 | 12.65 | 18.26 | 3.52 | 9.17 | 205 |
| **D35** | **DRILLS, ROTARY BLASTHOLE (Add cost for drill steel and bit wear)** | | | | | | | | | | | |
| | **SUBCATEGORY 0.11** | | **DIESEL, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)** | | | | | | | | | |
| | | | **REEDRILL, INC.** | | | | | | | | | |
| | D35RD001 | SK5AD | DRILL, ROTARY BLASTHOLE, 4"-7" DIA, TRUCK MTD, 148' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR) | 400 HP D-off | 350 HP D-on | $332,257 | 95.79 | 13.98 | 18.99 | 4.48 | 28.09 | 525 |
| | D35RD004 | SK40I | DRILL, ROTARY BLASTHOLE, 5"-8" DIA, CRAWLER, 173' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR) | 430 HP D-off | | $457,834 | 113.70 | 19.26 | 26.16 | 6.18 | 26.27 | 880 |
| | D35RD005 | SK45I | DRILL, ROTARY BLASTHOLE, LP, 6"-9" DIA, CRAWLER, 178' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR) | 430 HP D-off | | $463,261 | 114.59 | 19.49 | 26.47 | 6.25 | 26.27 | 900 |
| | D35RD007 | SK50I HP | DRILL, ROTARY BLASTHOLE, HP, 6.5"-9" DIA, CRAWLER, 178' DEEP, (ADD COST FOR DRILL STEEL AND BIT WEAR) | 750 HP D-off | | $533,286 | 154.83 | 22.44 | 30.47 | 7.20 | 45.82 | 910 |
| | D35RD006 | SK50I | DRILL, ROTARY BLASTHOLE, 7"-9.875" DIA, CRAWLER, 178' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR) | 430 HP D-off | | $483,027 | 117.83 | 20.32 | 27.60 | 6.52 | 26.27 | 900 |
| | **SUBCATEGORY 0.12** | | **DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)** | | | | | | | | | |
| | | | **INGERSOLL RAND CO.** | | | | | | | | | |
| | D35IB004 | T3W | DRILL, ROTARY BLASTHOLE, WATER WELL 6-24" DIA, 30,000 LB PULL BACK, TRUCK MTD (ADD COST FOR DRILL STEEL AND BIT WEAR) | 465 HP D-off | 380 HP D-on | $467,492 | 107.42 | 16.48 | 20.55 | 6.20 | 32.38 | 660 |
| | D35IB003 | TH-60 | DRILL, ROTARY BLASTHOLE, WATER WELL, 16" DIA, TRUCK MTD (ADD COST FOR DRILL STEEL AND BIT WEAR) | 475 HP D-off | 380 HP D-on | $490,391 | 110.92 | 17.33 | 21.63 | 6.51 | 32.99 | 600 |
| | D35IB005 | T3W DEEPHOLE | DRILL, ROTARY BLASTHOLE, WATER WELL 6-18" DIA, 50,000 LB PULL BACK, TRUCK MTD (ADD COST FOR DRILL STEEL AND BIT WEAR) | 575 HP D-off | 380 HP D-on | $541,894 | 126.51 | 19.12 | 23.86 | 7.19 | 39.10 | 688 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *D35* | | | *INGERSOLL RAND CO. (continued)* | | | | | | | | | | | |
| | D35IB006 | T4W | DRILL, ROTARY BLASTHOLE, WATER WELL 6-20" DIA, 70,000 LB PULL BACK, TRUCK MTD (ADD COST FOR DRILL STEEL AND BIT WEAR) | 600 HP | D-off | 305 HP | D-on | $569,741 | 131.16 | 20.11 | 25.10 | 7.56 | 39.83 | 688 |
| | | | **REEDRILL, INC.** | | | | | | | | | | | |
| | D35RD009 | SK75I | DRILL, ROTARY BLASTHOLE, 9"-12" DIA, CRAWLER, 175' DEEP (ADD COST FOR DRILL STEEL AND BIT WEAR) | 750 HP | D-off | | | $754,422 | 162.28 | 26.78 | 33.53 | 10.01 | 45.82 | 1,530 |
| F10 | FORK LIFTS | | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **FORK LIFTS** | | | | | | | | | | | |
| | | | **CATERPILLAR LIFT TRUCKS,** | | | | | | | | | | | |
| | F10C4039 | TH-62 | FORK LIFT, ROUGH TERRAIN, 3,000# @ 25' HIGH TELESCOPING MAST, 4X4 | 105 HP | D-off | | | $74,299 | 20.92 | 3.90 | 5.73 | 1.03 | 5.16 | 178 |
| | F10C4040 | TH-63 | FORK LIFT, ROUGH TERRAIN, 6,000# @ 41' HIGH TELESCOPING MAST W/STAB-PADS,4X4 | 105 HP | D-off | | | $100,557 | 25.77 | 5.31 | 7.83 | 1.39 | 5.16 | 264 |
| | F10C4042 | TH-83 | FORK LIFT, ROUGH TERRAIN, 8,000# @ 41' HIGH TELESCOPING MAST W/STAB-PADS,4X4 | 105 HP | D-off | | | $111,372 | 27.65 | 5.92 | 8.75 | 1.54 | 5.16 | 278 |
| | F10C4043 | TH-103 | FORK LIFT, ROUGH TERRAIN, 10,000# @ 44' HIGH TELESCOPING MAST W/STAB-PADS,4X4 | 105 HP | D-off | | | $118,329 | 29.20 | 6.24 | 9.20 | 1.64 | 5.16 | 348 |
| | | | **JCB INC.** | | | | | | | | | | | |
| | F10JC001 | 930-4 | FORK LIFT, ROUGH TERRAIN, 6,000# @ 28.00' HIGH | 67 HP | D-off | | | $56,269 | 14.94 | 2.93 | 4.29 | 0.78 | 3.29 | 150 |
| | F10JC002 | 940-4 | FORK LIFT, ROUGH TERRAIN, 8,000# @ 30.00' HIGH | 67 HP | D-off | | | $64,074 | 16.39 | 3.35 | 4.91 | 0.89 | 3.29 | 161 |
| | | | **DEERE & COMPANY** | | | | | | | | | | | |
| | F10JD001 | 485E | FORK LIFT, YARD, 5,000# @ 21' HIGH TELESCOPING-STRAIGHT MAST, 4X2 | 73 HP | D-off | | | $50,966 | 14.24 | 2.65 | 3.87 | 0.71 | 3.59 | 132 |
| | F10JD002 | 486E | FORK LIFT, YARD, 6,000# @ 21' HIGH TELESCOPING-STRAIGHT MAST, 4X2 | 73 HP | D-off | | | $51,507 | 14.33 | 2.67 | 3.91 | 0.71 | 3.59 | 134 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *F10* | | | *DEERE & COMPANY (continued)* | | | | | | | | | | |
| | F10JD003 | 488E | FORK LIFT,YARD, 8,000# @ 21' HIGH TELESCOPING-STRAIGHT MAST, 4X2 | 73 HP | D-off | | $54,652 | 14.92 | 2.84 | 4.16 | 0.76 | 3.59 | 156 |
| **G10** | **GENERATOR SETS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **PORTABLE** | | | | | | | | | | |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | G10WC001 | G 3.7A | GENERATOR SET, PORTABLE, 3.7 KW, 120/240V | 8 HP | G | | $2,108 | 1.58 | 0.15 | 0.24 | 0.03 | 0.86 | 2 |
| | G10WC002 | G 5.6A | GENERATOR SET, PORTABLE, 5.6 KW, 120/240V | 11 HP | G | | $2,696 | 2.11 | 0.19 | 0.30 | 0.04 | 1.18 | 2 |
| | G10WC003 | GS 8.5A | GENERATOR SET, PORTABLE, 8.5 KW, 120/240V, WITH ELECTRIC START | 16 HP | G | | $3,898 | 3.07 | 0.27 | 0.44 | 0.05 | 1.72 | 2 |
| | G10WC004 | GS 9.7A | GENERATOR SET, PORTABLE, 9.7 KW, 120/240V, WITH ELECTRIC START | 18 HP | G | | $4,406 | 3.45 | 0.31 | 0.50 | 0.06 | 1.93 | 2 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | G10XX001 | 1000 | GENERATOR SET, PORTABLE, 1 KW | 1 HP | G | | $857 | 0.33 | 0.06 | 0.10 | 0.01 | 0.11 | 1 |
| | G10XX004 | D4500 | GENERATOR SET, PORTABLE, 5 KW | 9 HP | D-off | | $5,094 | 1.67 | 0.36 | 0.57 | 0.07 | 0.44 | 3 |
| | G10XX002 | 10000 | GENERATOR SET, PORTABLE, 10 KW | 19 HP | G | | $5,392 | 3.81 | 0.38 | 0.61 | 0.07 | 2.04 | 6 |
| | G10XX003 | 10000D | GENERATOR SET, PORTABLE, 10 KW | 23 HP | D-off | | $9,592 | 3.54 | 0.67 | 1.08 | 0.13 | 1.13 | 9 |
| | **SUBCATEGORY 0.20** | | **SKID MOUNTED** | | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | | |
| | G10CA020 | 3304 PKG - P 304DE03 | GENERATOR SET, SKID MTD, 113 EKW, 240/480V, 60 HZ PGS PRIME | 174 HP | D-off | | $24,137 | 15.60 | 1.40 | 2.17 | 0.31 | 8.56 | 37 |
| | G10CA012 | 3306 PKG - 306DE39 | GENERATOR SET, SKID MTD, 210 EKW, 240 VOLT, 60 HZ PGS PRIME | 314 HP | D-off | | $30,668 | 25.76 | 1.78 | 2.76 | 0.40 | 15.44 | 52 |
| | G10CA013 | 3406 PKG - 306DE30 | GENERATOR SET, SKID MTD, 275 EKW, 480 VOLT, 60 HZ PGS PRIME | 405 HP | D-off | | $38,918 | 33.10 | 2.26 | 3.50 | 0.51 | 19.91 | 68 |
| | G10CA014 | 3406 PKG - 406DE30 | GENERATOR SET, SKID MTD, 365 EKW, 240/480V, 60 HZ PGS PRIME | 536 HP | D-off | | $50,694 | 43.66 | 2.94 | 4.56 | 0.66 | 26.36 | 72 |
| | G10CA015 | 3412 PKG - 412DE32 | GENERATOR SET, SKID MTD, 455 EKW, 240/480V, 60 HZ PGS PRIME | 687 HP | D-off | | $69,916 | 56.86 | 4.06 | 6.29 | 0.91 | 33.78 | 93 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G10 | | | *CATERPILLAR INC. ( MACHINE DIVISION) (continued)* | | | | | | | | | | |
| | G10CA016 | 3412 PKG - 412DE30 | GENERATOR SET, SKID MTD, 545 EKW, 240/480V, 60 HZ PGS PRIME | 817 HP | D-off | | $86,879 | 68.33 | 5.04 | 7.82 | 1.13 | 40.17 | 100 |
| | G10CA017 | 3508 PKG - 508DE34 | GENERATOR SET, SKID MTD, 725 EKW, 480 VOLT, 60 HZ PGS PRIME | 1,089 HP | D-off | | $136,306 | 94.90 | 7.91 | 12.27 | 1.77 | 53.55 | 181 |
| | G10CA018 | 3512 PKG - 512DE1F | GENERATOR SET, SKID MTD, 1000 EKW, 480 VOLT, 60 HZ PGS PRIME | 1,443 HP | D-off | | $173,066 | 124.33 | 10.04 | 15.58 | 2.25 | 70.95 | 236 |
| | G10CA019 | 3516 PKG - 516DE35 | GENERATOR SET, SKID MTD, 1600 EKW, 480 VOLT, 60 HZ PGS PRIME | 2,304 HP | D-off | | $290,977 | 201.25 | 16.88 | 26.19 | 3.78 | 113.29 | 291 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | G10XX005 | 25G | GENERATOR SET, SKID MTD, 25 KW | 36 HP | G | | $15,151 | 7.83 | 0.88 | 1.36 | 0.20 | 3.86 | 16 |
| | G10XX006 | 35G | GENERATOR SET, SKID MTD, 35 KW | 50 HP | G | | $13,635 | 9.51 | 0.80 | 1.23 | 0.18 | 5.36 | 17 |
| | G10XX007 | 50G | GENERATOR SET, SKID MTD, 50 KW | 70 HP | G | | $16,579 | 12.84 | 0.97 | 1.49 | 0.22 | 7.51 | 26 |
| | G10XX008 | 75D | GENERATOR SET, SKID MTD, 75 KW | 107 HP | D-off | | $20,939 | 10.73 | 1.21 | 1.88 | 0.27 | 5.26 | 38 |
| | G10XX009 | 100D | GENERATOR SET, SKID MTD, 100 KW | 143 HP | D-off | | $21,498 | 13.12 | 1.25 | 1.93 | 0.28 | 7.03 | 42 |
| | G10XX010 | 125D | GENERATOR SET, SKID MTD, 125 KW | 200 HP | D-off | | $29,446 | 18.25 | 1.71 | 2.65 | 0.38 | 9.83 | 44 |
| | G10XX011 | 200D | GENERATOR SET, SKID MTD, 200 KW | 375 HP | D-off | | $35,559 | 30.56 | 2.06 | 3.20 | 0.46 | 18.44 | 60 |
| | G10XX012 | 300D | GENERATOR SET, SKID MTD, 300 KW | 428 HP | D-off | | $51,438 | 36.89 | 2.99 | 4.63 | 0.67 | 21.04 | 105 |
| | G10XX013 | 400D | GENERATOR SET, SKID MTD, 400 KW | 570 HP | D-off | | $75,678 | 50.47 | 4.39 | 6.81 | 0.98 | 28.03 | 150 |
| | G10XX014 | 500D | GENERATOR SET, SKID MTD, 500 KW | 713 HP | D-off | | $95,230 | 63.25 | 5.53 | 8.57 | 1.24 | 35.06 | 170 |
| | G10XX015 | 750D | GENERATOR SET, SKID MTD, 750 KW | 1,050 HP | D-off | | $139,278 | 92.97 | 8.08 | 12.54 | 1.81 | 51.63 | 215 |
| | G10XX016 | 1000D | GENERATOR SET, SKID MTD, 1,000 KW | 1,425 HP | D-off | | $214,443 | 130.90 | 12.44 | 19.30 | 2.79 | 70.07 | 250 |
| G15 | GRADERS, MOTOR | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **GRADERS, MOTOR** | | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | | |
| | G15CA001 | 120-H | GRADER, MOTOR, ARTICULATED, 6X4, 12' BLADE W/ 17 TEETH SCARIFIERS | 125 HP | D-off | | $191,518 | 33.38 | 7.54 | 9.76 | 2.66 | 5.77 | 303 |
| | G15CA007 | 135-H | GRADER, MOTOR, ARTICULATED, 6X4, 12' BLADE W/ 17 TEETH SCARIFIERS | 135 HP | D-off | | $203,319 | 35.57 | 8.02 | 10.37 | 2.83 | 6.24 | 311 |
| | G15CA003 | 12-H | GRADER, MOTOR, ARTICULATED, 6X4, 12' BLADE W/ 17 TEETH SCARIFIERS | 140 HP | D-off | | $225,553 | 38.75 | 8.90 | 11.52 | 3.14 | 6.47 | 349 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *G15* | | | *CATERPILLAR INC. ( MACHINE DIVISION) (continued)* | | | | | | | | | |
| | G15CA004 | 140-H | GRADER, MOTOR, ARTICULATED, 6X4, 12' BLADE W/ 5 RIPPER/SCARIFIERS | 165 HP D-off | | $239,916 | 42.31 | 9.47 | 12.25 | 3.34 | 7.62 | 353 |
| | G15CA008 | 143-H | GRADER, MOTOR, ARTICULATED, 6X6, AWD, 12' BLADE W/ 5 RIPPER/SCARIFIERS | 185 HP D-off | | $276,370 | 48.39 | 10.92 | 14.14 | 3.85 | 8.55 | 349 |
| | G15CA009 | 160-H | GRADER, MOTOR, ARTICULATED, 6X4, 14' BLADE W/ 5 RIPPER/SCARIFIERS | 185 HP D-off | | $258,272 | 46.00 | 10.19 | 13.19 | 3.59 | 8.55 | 380 |
| | G15CA010 | 163-H | GRADER, MOTOR, ARTICULATED, 6X6, AWD, 14' BLADE W/ 5 RIPPER/SCARIFIERS | 200 HP D-off | | $299,150 | 52.30 | 11.82 | 15.31 | 4.16 | 9.24 | 404 |
| | G15CA005 | 14-H | GRADER, MOTOR, ARTICULATED, 6X4, 14' BLADE W/ 7 SHANK RIPPER | 215 HP D-off | | $330,028 | 58.13 | 12.93 | 16.68 | 4.59 | 9.93 | 445 |
| | G15CA006 | 16-H | GRADER, MOTOR, ARTICULATED, 6X4, 16' BLADE W/ 7 SHANK RIPPER | 275 HP D-off | | $475,397 | 82.58 | 18.57 | 23.91 | 6.61 | 12.70 | 586 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | G15JD008 | 670CH | GRADER, MOTOR, ARTICULATED, 6X4, AWD, 12' BLADE W/ 5 RIPPER/SCARIFIERS | 151 HP D-off | | $206,218 | 37.73 | 8.05 | 10.35 | 2.87 | 6.97 | 343 |
| | G15JD009 | 672CH | GRADER, MOTOR, ARTICULATED, 6X6, AWD, 12' BLADE W/ 5 RIPPER/SCARIFIERS | 156 HP D-off | | $234,306 | 41.81 | 9.16 | 11.80 | 3.26 | 7.21 | 353 |
| | G15JD010 | 770CH | GRADER, MOTOR, ARTICULATED, 6X4, AWD, 12' BLADE W/ 5 RIPPER/SCARIFIERS | 185 HP D-off | | $236,895 | 43.92 | 9.27 | 11.94 | 3.30 | 8.55 | 353 |
| | G15JD011 | 772CH | GRADER, MOTOR, ARTICULATED, 6X6, AWD, 12' BLADE W/ 5 RIPPER/SCARIFIERS | 205 HP D-off | | $268,334 | 49.38 | 10.51 | 13.56 | 3.73 | 9.47 | 363 |
| | | | **Komatsu America International Company** | | | | | | | | | |
| | G15KM006 | GD 530A-1 | GRADER, MOTOR, ARTICULATED, 6X6, AWD, 13' BLADE W/ 11 RIPPER/SCARIFIERS | 144 HP D-off | | $238,262 | 41.52 | 9.32 | 12.01 | 3.31 | 6.65 | 303 |
| | G15KM007 | GD 650A-1 | GRADER, MOTOR, ARTICULATED, 6X4, 13' BLADE W/ 11 RIPPER/SCARIFIERS | 166 HP D-off | | $216,938 | 40.27 | 8.45 | 10.86 | 3.02 | 7.67 | 328 |
| | G15KM008 | GD 670A-2CY | GRADER, MOTOR, ARTICULATED, 6X6, AWD, 14' BLADE W/ 7 SHANK RIPPER | 204 HP D-off | | $277,794 | 50.72 | 10.87 | 14.01 | 3.86 | 9.42 | 346 |
| | G15KM009 | GD 750A-1 | GRADER, MOTOR, ARTICULATED, 6X4, 16' BLADE W/ 7 SHANK RIPPER | 245 HP D-off | | $355,582 | 63.38 | 13.95 | 18.00 | 4.95 | 11.32 | 409 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H10 | HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear) | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear)** | | | | | | | | | |
| | | | **NPK CONSTRUCTION EQUIPMENT** | | | | | | | | | |
| | H10NP001 | H-06X | HAMMERS, HYDRAULIC, 150 FT-LBS, IMPACT FREQUENCY 700 BPM (ADD 150-250 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR) | | | $6,285 | 2.70 | 0.51 | 0.84 | 0.09 | 0.00 | 2 |
| | H10NP002 | H-08X | HAMMERS, HYDRAULIC, 200 FT-LBS, IMPACT FREQUENCY 750 BPM (ADD 60-75 HP HYDRAULIC EXCAVATOR L50)(ADD COST FOR POINT WEAR) | | | $6,982 | 2.94 | 0.57 | 0.93 | 0.10 | 0.00 | 2 |
| | H10NP003 | H-1XA | HAMMERS, HYDRAULIC, 300 FT-LBS, IMPACT FREQUENCY 800 BPM (ADD 60-75HP HYDRAULIC EXCAVATOR L50)(ADD COST FOR POINT WEAR) | | | $10,445 | 4.40 | 0.85 | 1.39 | 0.15 | 0.00 | 4 |
| | H10NP004 | H-2XA | HAMMERS, HYDRAULIC, 500 FT-LBS, IMPACT FREQUENCY 800 BPM (ADD 60-75 HP HYDRAULIC EXCAVATOR L50)(ADD COST FOR POINT WEAR) | | | $13,441 | 5.46 | 1.10 | 1.79 | 0.20 | 0.00 | 4 |
| | H10NP005 | H-3XA | HAMMERS, HYDRAULIC, 750 FT-LBS, IMPACT FREQUENCY 700 BPM (ADD 75-100 HP HYDRAULIC EXCAVATOR L50)(ADD COST FOR POINT WEAR) | | | $17,799 | 7.23 | 1.45 | 2.37 | 0.26 | 0.00 | 7 |
| | H10NP006 | H-4XL | HAMMERS, HYDRAULIC, 1000 FT-LBS, IMPACT FREQUENCY 750 BPM (ADD 95-125 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR) | | | $23,926 | 9.38 | 1.95 | 3.19 | 0.35 | 0.00 | 11 |
| | H10NP007 | H-6XA | HAMMERS, HYDRAULIC, 1250 FT-LBS, IMPACT FREQUENCY 600 BPM (ADD 95-125 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR) | | | $32,833 | 12.51 | 2.68 | 4.38 | 0.49 | 0.00 | 16 |
| | H10NP008 | H-7X | HAMMERS, HYDRAULIC, 1500 FT-LBS, IMPACT FREQUENCY 550 BPM (ADD 95-125 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR) | | | $36,292 | 13.97 | 2.96 | 4.84 | 0.54 | 0.00 | 19 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H10* | | | *NPK CONSTRUCTION EQUIPMENT (continued)* | | | | | | | | | |
| | H10NP009 | H-8XA | HAMMERS, HYDRAULIC, 2000 FT-LBS, IMPACT FREQUENCY 550 BPM (ADD 95-125 HP HYDRAULIC EXCAVATOR H25)(ADD COST FOR POINT WEAR) | | | $46,298 | 17.47 | 3.77 | 6.17 | 0.68 | 0.00 | 28 |
| | H10NP015 | E-210A | HAMMERS, HYDRAULIC, 3000 FT-LBS, IMPACT FREQUENCY 670 BPM (ADD 20-28 TON HYDRAULIC EXCAVATOR)(ADD COST FOR POINT WEAR) | | | $56,397 | 21.01 | 4.59 | 7.52 | 0.83 | 0.00 | 34 |
| | H10NP016 | E-216 | HAMMERS, HYDRAULIC, 5500 FT-LBS, IMPACT FREQUENCY 500 BPM (ADD 28-43 TON HYDRAULIC EXCAVATOR)(ADD COST FOR POINT WEAR) | | | $77,668 | 28.47 | 6.33 | 10.36 | 1.15 | 0.00 | 56 |
| | H10NP017 | E-220 | HAMMERS, HYDRAULIC, 8000 FT-LBS, IMPACT FREQUENCY 430 BPM (ADD 33-50 TON HYDRAULIC EXCAVATOR)(ADD COST FOR POINT WEAR) | | | $101,448 | 36.81 | 8.27 | 13.53 | 1.50 | 0.00 | 68 |
| | H10NP018 | E-260A | HAMMERS, HYDRAULIC, 20,000 FT-LBS, IMPACT FREQUENCY 330 BPM (ADD 80-130 TON HYDRAULIC EXCAVATOR)(ADD COST FOR POINT WEAR) | | | $235,409 | 83.75 | 19.18 | 31.39 | 3.48 | 0.00 | 170 |
| **H13** | **HAZARDOUS/TOXIC WASTE EQUIPMENT** | | | | | | | | | | | |
| | **SUBCATEGORY 0.11** | | **COMPACTORS (Compression force) 0 THRU 50 TONS** | | | | | | | | | |
| | | | **CONSOLIDATED BALING MACHINE COMPANY, INC** | | | | | | | | | |
| | H13CB001 | DOS RAW WI | HAZARDOUS/TOXIC WASTE EQIPMENT, COMPACTOR, RADIOLOGICAL WASTE, 12.5 TON, LOW LEVEL | 5 HP E | | $20,361 | 4.65 | 1.14 | 1.73 | 0.27 | 0.26 | 25 |
| | H13CB002 | DOS RAW W2 | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, RADIOLOGICAL WASTE, 20 TON, LOW LEVEL | 10 HP E | | $22,313 | 5.48 | 1.25 | 1.90 | 0.30 | 0.53 | 25 |
| | | | **COMPACTING TECHNOLOGIES INTERNATIONAL** | | | | | | | | | |
| | H13CO002 | 8040 | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 37 TON HAZARD WASTE IN-DRUM , EXPLOSION PROOF | 5 HP E | | $8,452 | 2.32 | 0.47 | 0.72 | 0.11 | 0.26 | 167 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **ENVIRO-PAK** | | | | | | | | | | |
| | H13EP001 | 4000HM | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 30 TON HAZARDOUS WASTE, HAZ-MAT STORAGE CONTAINER 40"X40"X40" | 5 HP | E | | $20,278 | 4.63 | 1.13 | 1.72 | 0.27 | 0.26 | 32 |
| | | | **TEEMARK CORPORATION** | | | | | | | | | | |
| | H13TH001 | DPC60-E50 | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 30 TON DRUM CRUSHER | 5 HP | E | | $10,734 | 2.51 | 0.60 | 0.91 | 0.14 | 0.26 | 19 |
| | H13TH002 | DPC60-D90 | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 30 TON DRUM CRUSHER, TRAILER MOUNTED | 9 HP | D-off | | $20,146 | 4.52 | 1.11 | 1.68 | 0.27 | 0.44 | 19 |
| | H13TH003 | DPC85-D160 | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 42.5 TON DRUM CRUSHER, TRAILER MOUNTED | 16 HP | D-off | | $25,189 | 5.96 | 1.39 | 2.10 | 0.34 | 0.79 | 36 |
| | | | **ADVANCED ENVIRONMENTAL SOLUTIONS** | | | | | | | | | | |
| | H13YB001 | CCYC | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 700 PSI OPERATING PRESSURE, FINAL COMPACTED SIZE 39.4" X 39.4" X 39.4" | 50 HP | E | | $314,391 | 65.76 | 17.58 | 26.72 | 4.22 | 2.63 | 320 |
| | H13YB002 | CCYC-HD-E | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 1,000 PSI OPERATING PRESSURE, FINAL COMPACTED SIZE 39.4" X 39.4" X 39.4" | 50 HP | E | | $314,391 | 65.76 | 17.58 | 26.72 | 4.22 | 2.63 | 320 |
| | H13YB003 | CMC-HD | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 1,200 PSI OPERATING PRESSURE, FINAL COMPACTED SIZE 39.4" X 39.4" X 39.4" | 50 HP | E | | $314,391 | 65.76 | 17.58 | 26.72 | 4.22 | 2.63 | 320 |
| | **SUBCATEGORY 0.12** | | **COMPACTORS (Compression force) OVER 50 TONS** | | | | | | | | | | |
| | | | **COMPACTING TECHNOLOGIES INTERNATIONAL** | | | | | | | | | | |
| | H13CO003 | 8550 | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 85 TON HAZARD WASTE IN-DRUM | 3 HP | E | | $17,500 | 3.51 | 0.83 | 1.17 | 0.24 | 0.16 | 270 |
| | H13CO004 | 8560-C | HAZARDOUS/TOXIC WASTE EQIPMENT, COMPACTOR, 85 TON HAZARD WASTE IN-DRUM, W/ HEPA FILTER | 3 HP | E | | $34,003 | 6.59 | 1.60 | 2.27 | 0.46 | 0.16 | 290 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H13* | | | *COMPACTING TECHNOLOGIES INTERNATIONAL (continued)* | | | | | | | | | | |
| | H13CO006 | 8560-R | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 85 TON HAZARD WASTE IN-DRUM, W/ HEPA FILTER & SS PLATEN & CHAMBER | 3 HP | E | | $40,230 | 7.50 | 1.89 | 2.68 | 0.55 | 0.16 | 300 |
| | H13CO005 | 8560-EXL | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 85 TON HAZARD WASTE IN-DRUM, EXPLOSION PROOF, W/LIQUID REMOVAL SYSTEM | 3 HP | E | | $54,896 | 10.17 | 2.58 | 3.66 | 0.75 | 0.16 | 310 |
| | | | **ENVIRO-PAK** | | | | | | | | | | |
| | H13EP002 | 9600HM | HAZARDOUS/TOXIC WASTE EQUIPMENT, COMPACTOR, 250 TON HAZARDOUS WASTE, B-25 METAL STORAGE CONTAINER 4'X4'X6' | 8 HP | E | | $32,927 | 6.58 | 1.55 | 2.20 | 0.45 | 0.39 | 100 |
| | **SUBCATEGORY 0.21** | | **FILTER PRESSES, STATIONARY** | | | | | | | | | | |
| | | | **KOMLINE-SANDERSON ENGINEERING CO** | | | | | | | | | | |
| | H13AY015 | L/S 1200/25 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 25 CF MEMBRANE, 1000 MM SQ | 50 CFM | A | | $51,242 | 10.41 | 2.76 | 4.10 | 0.71 | 0.00 | 112 |
| | H13AY016 | K/F 1200/25 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 25 CF CONVENTIONAL, 1000 MM SQ, | 50 CFM | A | | $32,995 | 6.71 | 1.78 | 2.64 | 0.46 | 0.00 | 108 |
| | H13AY013 | L/S 1200/50 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 50 CF MEMBRANE, 1200 MM SQ | 50 CFM | A | | $87,083 | 17.70 | 4.70 | 6.97 | 1.21 | 0.00 | 173 |
| | H13AY014 | K/F 1200/50 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 50 CF CONVENTIONAL, 1200 MM SQ | 50 CFM | A | | $46,326 | 9.41 | 2.50 | 3.71 | 0.64 | 0.00 | 168 |
| | H13AY011 | L/S 1200/75 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 75 CF MEMBRANE, 1200 MM SQ | 50 CFM | A | | $108,678 | 22.08 | 5.86 | 8.69 | 1.51 | 0.00 | 194 |
| | H13AY012 | K/F 1200/75 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 75 CF CONVENTIONAL, 1200 MM SQ | 50 CFM | A | | $55,055 | 11.18 | 2.96 | 4.40 | 0.76 | 0.00 | 188 |
| | H13AY009 | L/S 1200/100 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 100 CF MEMBRANE, 1200 MM SQ | 50 CFM | A | | $130,148 | 26.45 | 7.02 | 10.41 | 1.81 | 0.00 | 199 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H13* | | | *KOMLINE-SANDERSON ENGINEERING CO (continued)* | | | | | | | | | | |
| | H13AY010 | K/F 1200/100 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 100 CF CONVENTIONAL, 1200 MM SQ | 50 CFM | A | | $65,794 | 13.36 | 3.54 | 5.26 | 0.91 | 0.00 | 191 |
| | H13AY007 | L/S 1200/125 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 125 CF MEMBRANE, 1200 MM SQ | 50 CFM | A | | $146,355 | 29.74 | 7.89 | 11.71 | 2.03 | 0.00 | 216 |
| | H13AY008 | K/F 1200/125 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 125 CF CONVENTIONAL, 1200 MM SQ | 50 CFM | A | | $71,278 | 14.48 | 3.84 | 5.70 | 0.99 | 0.00 | 207 |
| | H13AY017 | L/S 1200/150 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 150 CF MEMBRANE, 1200 MM SQ | 50 CFM | A | | $162,067 | 32.93 | 8.74 | 12.97 | 2.25 | 0.00 | 235 |
| | H13AY018 | K/F 1200/150 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, 150 CF CONVENTIONAL, 1200 MM SQ | 50 CFM | A | | $82,127 | 16.69 | 4.43 | 6.57 | 1.14 | 0.00 | 224 |
| | H13AY019 | | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, FILTER PRESS PLATE SHIFTING UNIT, 1200 MM SQ, MECHANIZED | 1 HP | E | | $10,701 | 2.51 | 0.58 | 0.86 | 0.15 | 0.05 | 5 |
| | H13AY020 | SLC-500 | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, STATIONARY, PLC CONTROL PANEL - PLATE SHIFTING, COMPUTER AUTOMATED | 1 HP | E | | $13,892 | 3.15 | 0.75 | 1.11 | 0.19 | 0.05 | 2 |
| | **SUBCATEGORY 0.22** | | **FILTER PRESSES, MOBILE** | | | | | | | | | | |
| | | | **KOMLINE-SANDERSON ENGINEERING CO** | | | | | | | | | | |
| | H13AY031 | L/S 1200/25M | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 25 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM | A | | $60,280 | 11.83 | 3.29 | 4.96 | 0.81 | 0.00 | 112 |
| | H13AY032 | K/F 1200/25M | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 25 CF CONVENTIONAL, 1000 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM | A | | $42,041 | 8.26 | 2.27 | 3.41 | 0.56 | 0.00 | 109 |
| | H13AY029 | L/S 1200/50M | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 50 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM | A | | $96,278 | 18.87 | 5.30 | 8.02 | 1.29 | 0.00 | 193 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H13* | | | *KOMLINE-SANDERSON ENGINEERING CO (continued)* | | | | | | | | | |
| | H13AY030 | K/F 1200/50M | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 50 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $55,521 | 10.91 | 3.03 | 4.56 | 0.75 | 0.00 | 188 |
| | H13AY027 | L/S 1200/75M | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 75 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $118,867 | 23.30 | 6.57 | 9.94 | 1.60 | 0.00 | 214 |
| | H13AY028 | K/F 1200/75M | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 75 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $65,244 | 12.82 | 3.58 | 5.39 | 0.88 | 0.00 | 208 |
| | H13AY025 | L/S 1200/100M | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 100 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $141,331 | 27.69 | 7.83 | 11.85 | 1.90 | 0.00 | 219 |
| | H13AY026 | K/F 1200/100M | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 100 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $76,977 | 15.10 | 4.22 | 6.38 | 1.03 | 0.00 | 211 |
| | H13AY023 | L/S 1200/125M | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 125 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $158,531 | 31.06 | 8.79 | 13.32 | 2.13 | 0.00 | 236 |
| | H13AY024 | K/F 1200/125M | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 125 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $83,453 | 16.37 | 4.59 | 6.93 | 1.12 | 0.00 | 227 |
| | H13AY021 | L/S 1200/150M | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 150 CF MEMBRANE, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $174,559 | 34.19 | 9.68 | 14.68 | 2.34 | 0.00 | 255 |
| | H13AY022 | K/F 1200/150M | HAZARDOUS/TOXIC WASTE EQUIPMENT, FILTER PRESS, MOBILE, 150 CF CONVENTIONAL, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $94,117 | 18.45 | 5.18 | 7.84 | 1.26 | 0.00 | 244 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.30** | | **CENTRIFUGES** | | | | | | | | | | |
| | | | **BOCK ENGINEERED PRODUCTS, INC.** | | | | | | | | | | |
| | H13BC013 | GP 35 | HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 35 LB DRY WT. | 3 HP | E | | $12,160 | 5.46 | 1.41 | 2.43 | 0.19 | 0.16 | 9 |
| | H13BC010 | 305 TX | HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 35 LB DRY WT. | 3 HP | E | | $14,586 | 6.51 | 1.69 | 2.92 | 0.23 | 0.16 | 6 |
| | H13BC012 | GP 60 | HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 60 LB DRY WT. | 3 HP | E | | $13,459 | 6.02 | 1.56 | 2.69 | 0.21 | 0.16 | 9 |
| | H13BC006 | 605 TX | HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 60 LB DRY WT. | 3 HP | E | | $19,526 | 8.63 | 2.27 | 3.91 | 0.31 | 0.16 | 9 |
| | H13BC011 | GP 100 | HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 100 LB DRY WT. | 5 HP | E | | $16,443 | 7.46 | 1.91 | 3.29 | 0.26 | 0.26 | 12 |
| | H13BC003 | GP 130 | HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, TIMER, 130 LB DRY WT. | 5 HP | E | | $19,841 | 8.93 | 2.31 | 3.97 | 0.32 | 0.26 | 12 |
| | H13BC009 | 355 | HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 35 LB | 3 HP | E | | $20,931 | 9.23 | 2.43 | 4.19 | 0.33 | 0.16 | 6 |
| | H13BC007 | 655 | HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 60 LB | 3 HP | E | | $24,956 | 10.95 | 2.90 | 4.99 | 0.40 | 0.16 | 9 |
| | H13BC008 | 755 | HAZARDOUS/TOXIC WASTE EQUIPMENT, CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 100 LB | 5 HP | E | | $29,592 | 13.10 | 3.43 | 5.92 | 0.47 | 0.26 | 12 |
| | **SUBCATEGORY 0.40** | | **SHREDDERS** | | | | | | | | | | |
| | | | **MAC CORPORATION** | | | | | | | | | | |
| | H13MN001 | 52-32HT | HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 150 HP, 32" X 52" OPENING, TRAILER MTD, W/ DIESEL GENERATOR SET/ BELT-TYPE INFEED & DISCHARGE CONVEYORS | 150 HP | E | | $282,707 | 74.10 | 15.68 | 23.75 | 3.80 | 7.90 | 200 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H13* | | | *MAC CORPORATION (continued)* | | | | | | | | | | |
| | H13MN002 | 62-40HT | HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 200 HP, 38" X 62" OPENING, TRAILER MTD, W/ DIESEL GENERATOR SET, HOOK-TYPE INFEED FOR TIRES, & DISCHARGE CONVEYOR | 200 HP | E | | $346,796 | 92.52 | 19.22 | 29.11 | 4.66 | 10.53 | 300 |
| | H13MN003 | 62-40HT | HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 200 HP, 38" X 62" OPENING, TRAILER MTD, W/ DIESEL GENERATOR SET, CRANE GRAPPLE & DISCHARGE CONVEYOR SYSTEM | 200 HP | E | | $397,821 | 104.11 | 22.07 | 33.45 | 5.34 | 10.53 | 300 |
| | H13MN004 | 72-46HT | HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 300 HP, 45" X 72" OPENING , TRAILER MTD, W/ DIESEL GENERATOR SET, CRANE GRAPPLE & DISCHARGE CONVEYOR SYSTEM | 300 HP | E | | $459,257 | 126.09 | 25.51 | 38.67 | 6.17 | 15.80 | 400 |
| | | | **SHRED-TECH LIMITED** | | | | | | | | | | |
| | H13SH001 | ST-20 | HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 20 HP, 37"x38" OPENING | 20 HP | E | | $37,978 | 9.53 | 2.13 | 3.23 | 0.51 | 1.05 | 20 |
| | H13SH002 | ST-20L | HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER 20 HP, 37"X46" OPENING | 20 HP | E | | $35,016 | 8.92 | 1.96 | 2.98 | 0.47 | 1.05 | 23 |
| | H13SH003 | ST-50 | HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 40 HP, 40"x55" OPENING | 40 HP | E | | $70,128 | 17.85 | 3.92 | 5.96 | 0.94 | 2.11 | 45 |
| | H13SH004 | ST-50L | HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 40 HP, 40"x65" OPENING | 40 HP | E | | $74,020 | 18.66 | 4.14 | 6.29 | 0.99 | 2.11 | 50 |
| | H13SH005 | ST-100 | HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 100 HP, 63"x70" OPENING | 100 HP | E | | $125,610 | 34.31 | 7.03 | 10.68 | 1.69 | 5.27 | 200 |
| | H13SH006 | ST-500 | HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 300 HP, 66"x96" OPENING | 300 HP | E | | $406,658 | 109.10 | 22.75 | 34.57 | 5.46 | 15.80 | 420 |
| | H13SH007 | ST-500L | HAZARDOUS/TOXIC WASTE EQUIPMENT, SHREDDER, 600 HP, 66"x115" OPENING | 600 HP | E | | $515,649 | 156.34 | 28.85 | 43.83 | 6.93 | 31.59 | 440 |
| | **SUBCATEGORY 0.71** | | **WASTE HANDLING EQUIPMENT, DRUM HANDLING** | | | | | | | | | | |
| | | | **BASCO** | | | | | | | | | | |
| | H13BB001 | T55FLX | HAZARDOUS/TOXIC WASTE EQUIPMENT, WASTE HANDLING EQUIPMENT, DRUM HANDLING, DRUM FILLER, 55 GAL TOP FILL | 10 HP | E | | $27,534 | 16.22 | 3.36 | 5.85 | 0.43 | 0.53 | 3 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | ENGINE HORSEPOWER - FUEL TYPE CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H13* | | | *BASCO (continued)* | | | | | | | | | | |
| | H13BB002 | MR3 | HAZARDOUS/TOXIC WASTE EQUIPMENT, WASTE HANDLING EQUIPMENT, DRUM CLEANER, 60 DRUM/HR CAP INTERIOR | 15 HP | E | | $35,260 | 20.97 | 4.30 | 7.49 | 0.55 | 0.79 | 25 |
| H20 | HOISTS & AIR WINCHES | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **HOISTS & AIR WINCHES** | | | | | | | | | | |
| | | | **INGERSOLL RAND MATERIAL HANDLING** | | | | | | | | | | |
| | H20BE002 | FA2.5 | AIR WINCH (ADD COMPRESSOR) MANUAL BRAKE, 24" DRUM, 5000 # CAP,145 FPM | 700 CFM | A | | $18,658 | 4.14 | 1.09 | 1.66 | 0.26 | 0.00 | 10 |
| | H20BE003 | FA5 | AIR WINCH (ADD COMPRESSOR) MANUAL BRAKE, 24" DRUM, 10000 # CAP,65 FPM | 700 CFM | A | | $24,075 | 5.38 | 1.41 | 2.14 | 0.34 | 0.00 | 19 |
| | H20BE004 | FA10 | AIR WINCH (ADD COMPRESSOR) AUTOMATIC BRAKE, 24" DRUM, 22000 # CAP,30 FPM | 800 CFM | A | | $35,730 | 7.94 | 2.09 | 3.18 | 0.50 | 0.00 | 35 |
| H25 | HYDRAULIC EXCAVATORS, CRAWLER MOUNTED | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS)** | | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | | |
| | H25CA034 | 301.8 | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 3,800 LBS, 0.04 CY BUCKET, 7.50' MAX DIGGING DEPTH | 17 HP | D-off | | $30,649 | 7.95 | 1.89 | 2.87 | 0.45 | 0.84 | 37 |
| | H25CA035 | 303 CR | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 7,500 LBS, 0.11 CY BUCKET, 9.08' MAX DIGGING DEPTH | 25 HP | D-off | | $39,784 | 10.52 | 2.45 | 3.73 | 0.58 | 1.23 | 73 |
| | H25CA036 | 305 CR | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 10,800 LBS, 0.17 CY BUCKET, 11.08' MAX DIGGING DEPTH | 42 HP | D-off | | $67,423 | 17.81 | 4.15 | 6.32 | 0.99 | 2.07 | 109 |
| | | | **Komatsu America International Company** | | | | | | | | | | |
| | H25KM016 | PC03-2 | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 2,000 LBS, 0.03 CY BUCKET, 4'11" MAX DIGGING DEPTH | 8 HP | D-off | | $19,579 | 4.86 | 1.21 | 1.84 | 0.29 | 0.39 | 20 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | *Komatsu America International Company (continued)* | | | | | | | | | |
| | H25KM017 | PC15R-8 | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 3,600 LBS, 0.06 CY BUCKET, 7'1" MAX DIGGING DEPTH | 15 HP D-off | | $26,422 | 6.88 | 1.63 | 2.48 | 0.39 | 0.74 | 32 |
| | H25KM018 | PC20MR-1 | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 4,800 LBS, 0.05 CY BUCKET, 8'11" MAX DIGGING DEPTH | 18 HP D-off | | $32,046 | 8.32 | 1.97 | 3.00 | 0.47 | 0.89 | 48 |
| | H25KM019 | PC27R-8 | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 6,000 LBS, 0.10 CY BUCKET,8'8" MAX DIGGING DEPTH | 26 HP D-off | | $34,349 | 9.40 | 2.11 | 3.22 | 0.50 | 1.28 | 62 |
| | H25KM020 | PC30MR-1 | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 7,200 LBS, 0.07 CY BUCKET, 10'7" MAX DIGGING DEPTH | 28 HP D-off | | $38,545 | 10.46 | 2.37 | 3.61 | 0.56 | 1.38 | 73 |
| | H25KM021 | PC40MR-1 | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 10,000 LBS, 0.18 CY BUCKET, 12'9" MAX DIGGING DEPTH | 37 HP D-off | | $47,789 | 13.14 | 2.94 | 4.48 | 0.70 | 1.82 | 99 |
| | H25KM022 | PC58UU-3 | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 11,400 LBS, 0.29 CY BUCKET, 13'1" MAX DIGGING DEPTH | 40 HP D-off | | $63,756 | 16.86 | 3.92 | 5.98 | 0.93 | 1.97 | 115 |
| | H25KM023 | PC78US-6 | HYDRAULIC EXCAVATOR, CRAWLER, 6,200 LBS, 0.37 CY BUCKET, GENERAL PURPOSE, 12'4" MAX DIGGING DEPTH | 55 HP D-off | | $73,949 | 20.15 | 4.55 | 6.93 | 1.08 | 2.70 | 151 |
| | H25KM024 | PC75R-2 | HYDRAULIC EXCAVATOR, CRAWLER, 6,800 LBS, 0.31 CY BUCKET, GENERAL PURPOSE, 13'3" MAX DIGGING DEPTH | 68 HP D-off | | $83,412 | 23.17 | 5.13 | 7.82 | 1.22 | 3.34 | 165 |
| | H25KM025 | PC100-6 | HYDRAULIC EXCAVATOR, CRAWLER, 9,700 LBS, 0.62 CY BUCKET, GENERAL PURPOSE, 16'7" MAX DIGGING DEPTH | 81 HP D-off | | $110,556 | 30.06 | 6.80 | 10.36 | 1.62 | 3.98 | 237 |
| | H25KM026 | PC128US-1 | HYDRAULIC EXCAVATOR, CRAWLER, 11,500 LBS, 0.62 CY BUCKET, GENERAL PURPOSE, 17'10" MAX DIGGING DEPTH | 86 HP D-off | | $133,830 | 35.52 | 8.24 | 12.55 | 1.96 | 4.23 | 280 |
| | | | **MELROE COMPANY/BOBCAT** | | | | | | | | | |
| | H25ME001 | 322 | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 3,600 LBS, 0.04 CY BUCKET, 7'3" MAX DIGGING DEPTH | 15 HP D-off | | $24,531 | 6.46 | 1.51 | 2.30 | 0.36 | 0.74 | 35 |
| | H25ME002 | 331 | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 7,200 LBS, 0.10 CY BUCKET, 10'2" MAX DIGGING DEPTH | 40 HP D-off | | $36,489 | 10.88 | 2.24 | 3.42 | 0.53 | 1.97 | 72 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | *MELROE COMPANY/BOBCAT (continued)* | | | | | | | | | |
| | H25ME003 | 337 | HYDRAULIC EXCAVATOR, CRAWLER-RUBBER TRACK, 11,000 LBS, 0.18 CY BUCKET, 12' MAX DIGGING DEPTH | 53 HP D-off | | $51,924 | 15.21 | 3.20 | 4.87 | 0.76 | 2.61 | 110 |
| | **SUBCATEGORY 0.11** | | **OVER 12,500 LBS THRU 40,000 LBS** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | H25CA037 | 307B | HYDRAULIC EXCAVATOR, CRAWLER, 15,200 LBS, 0.40 CY BUCKET, GENERAL PURPOSE, 15.25' MAX DIGGING DEPTH | 54 HP D-off | | $79,057 | 20.26 | 4.64 | 6.98 | 1.15 | 2.66 | 153 |
| | H25CA038 | 307C | HYDRAULIC EXCAVATOR, CRAWLER, 14,310 LBS, 0.48 CY BUCKET, GENERAL PURPOSE, 15.25' MAX DIGGING DEPTH | 54 HP D-off | | $96,383 | 23.83 | 5.65 | 8.50 | 1.40 | 2.66 | 182 |
| | H25CA020 | 311-B | HYDRAULIC EXCAVATOR, CRAWLER, 24,640 LBS, 0.60 CY BUCKET, 16.50' MAX DIGGING DEPTH | 79 HP D-off | | $103,329 | 27.08 | 6.06 | 9.12 | 1.50 | 3.88 | 250 |
| | H25CA021 | 312-B | HYDRAULIC EXCAVATOR, CRAWLER, 26,900 LBS, 0.68 CY BUCKET, 18.16' MAX DIGGING DEPTH | 84 HP D-off | | $118,531 | 30.59 | 6.95 | 10.46 | 1.72 | 4.13 | 279 |
| | H25CA039 | 315B | HYDRAULIC EXCAVATOR, CRAWLER, 35,200 LBS, 0.80 CY BUCKET, GENERAL PURPOSE, 19.83' MAX DIGGING DEPTH | 99 HP D-off | | $135,124 | 35.10 | 7.92 | 11.92 | 1.96 | 4.87 | 353 |
| | | | **KOBELCO AMERICA INC.** | | | | | | | | | |
| | H25KC017 | 70SR | HYDRAULIC EXCAVATOR, CRAWLER, 16,400 LBS, 0.33 CY BUCKET, 14.75' MAX DIGGING DEPTH | 54 HP D-off | | $90,135 | 22.54 | 5.29 | 7.95 | 1.31 | 2.66 | 168 |
| | H25KC016 | 135SR LC | HYDRAULIC EXCAVATOR, CRAWLER, 30,870 LBS, 0.60 CY BUCKET, 19.58' MAX DIGGING DEPTH | 94 HP D-off | | $127,801 | 33.23 | 7.50 | 11.28 | 1.86 | 4.62 | 319 |
| | | | **Komatsu America International Company** | | | | | | | | | |
| | H25KM027 | PC128UU-2 | HYDRAULIC EXCAVATOR, CRAWLER, 12,200 LBS, 0.58 CY BUCKET, 16' 0" MAX DIGGING DEPTH, GENERAL PURPOSE | 86 HP D-off | | $172,039 | 41.79 | 10.09 | 15.18 | 2.50 | 4.23 | 295 |
| | H25KM028 | PC150-6 | HYDRAULIC EXCAVATOR, CRAWLER, 14,800 LBS, 0.68 CY BUCKET, 19'8" MAX DIGGING DEPTH | 107 HP D-off | | $141,232 | 36.94 | 8.28 | 12.46 | 2.05 | 5.26 | 359 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | *Komatsu America International Company (continued)* | | | | | | | | | |
| | H25KM001 | PC 120-6 | HYDRAULIC EXCAVATOR, CRAWLER, 26,950 LBS, 0.75 CY BUCKET, 18.08' MAX DIGGING DEPTH | 102 HP D-off | | $154,388 | 39.31 | 9.05 | 13.62 | 2.24 | 5.02 | 270 |
| | H25KM003 | PC 150LC-6 | HYDRAULIC EXCAVATOR, CRAWLER, 39,400 LBS, 1.12 CY BUCKET, 19.58' MAX DIGGING DEPTH | 107 HP D-off | | $183,737 | 45.73 | 10.78 | 16.21 | 2.67 | 5.26 | 395 |
| | | | **LINK-BELT CONSTRUCTION EQUIPMENT COMPANY** | | | | | | | | | |
| | H25LI001 | 1600 QUANTUM | HYDRAULIC EXCAVATOR, CRAWLER, 15,400 LBS, 0.24 CY BUCKET, 13'7" MAX DIGGING DEPTH | 54 HP D-off | | $91,563 | 22.84 | 5.37 | 8.08 | 1.33 | 2.66 | 154 |
| | H25LI003 | 130 LX | HYDRAULIC EXCAVATOR, CRAWLER, 27,100 LBS, 0.50 CY BUCKET, 18'2" MAX DIGGING DEPTH | 89 HP D-off | | $121,814 | 31.63 | 7.15 | 10.75 | 1.77 | 4.38 | 271 |
| | H25LI002 | 2650 QUANTUM | HYDRAULIC EXCAVATOR, CRAWLER, 14,200 LBS, 0.66 CY BUCKET, 18'3" MAX DIGGING DEPTH | 85 HP D-off | | $125,920 | 32.19 | 7.39 | 11.11 | 1.83 | 4.18 | 284 |
| | H25LI005 | 160 LX | HYDRAULIC EXCAVATOR, CRAWLER, 35,275 LBS, 0.66 CY BUCKET, 20'1" MAX DIGGING DEPTH | 101 HP D-off | | $142,455 | 36.77 | 8.36 | 12.57 | 2.07 | 4.97 | 353 |
| | H25LI004 | 2700 QUANTUM | HYDRAULIC EXCAVATOR, CRAWLER, 35,275 LBS, 0.66 CY BUCKET, 20'1" MAX DIGGING DEPTH | 100 HP D-off | | $148,153 | 37.87 | 8.69 | 13.07 | 2.15 | 4.92 | 352 |
| | **SUBCATEGORY 0.12** | | **OVER 40,000 LBS THRU 100,000 LBS** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | H25CA040 | 318BL | HYDRAULIC EXCAVATOR, CRAWLER, 40,600 LBS, 1.00 CY BUCKET, HEAVY DUTY, 22.50' MAX DIGGING DEPTH | 115 HP D-off | | $147,229 | 31.48 | 6.68 | 9.20 | 2.08 | 5.31 | 405 |
| | H25CA022 | 320B | HYDRAULIC EXCAVATOR, CRAWLER, 43,800 LBS, 1.50 CY BUCKET, 21.75' MAX DIGGING DEPTH | 128 HP D-off | | $192,394 | 39.62 | 8.72 | 12.02 | 2.71 | 5.91 | 438 |
| | H25CA023 | 320BL | HYDRAULIC EXCAVATOR, CRAWLER, 49,000 LBS, 0.80 CY BUCKET, 39.0' MAX DIGGING DEPTH, LONG REACH BOOM | 128 HP D-off | | $222,343 | 44.45 | 10.09 | 13.90 | 3.14 | 5.91 | 490 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | *CATERPILLAR INC. ( MACHINE DIVISION) (continued)* | | | | | | | | | |
| | H25CA025 | 325BL | HYDRAULIC EXCAVATOR, CRAWLER, 60,700 LBS, 1.75 CY BUCKET, 23.25' MAX DIGGING DEPTH | 168 HP D-off | | $285,508 | 57.32 | 12.95 | 17.84 | 4.03 | 7.76 | 607 |
| | H25CA027 | 330BL | HYDRAULIC EXCAVATOR, CRAWLER, 75,700 LBS, 2.09 CY BUCKET, 21.58' MAX DIGGING DEPTH | 222 HP D-off | | $338,337 | 69.48 | 15.35 | 21.15 | 4.77 | 10.25 | 763 |
| | H25CA032 | 345BL | HYDRAULIC EXCAVATOR, CRAWLER, 98,600 LBS, 3.00 CY BUCKET, 30.41' MAX DIGGING DEPTH | 290 HP D-off | | $455,484 | 92.95 | 20.66 | 28.47 | 6.42 | 13.40 | 988 |
| | | | **KOBELCO AMERICA INC.** | | | | | | | | | |
| | H25KC019 | SK210 LC | HYDRAULIC EXCAVATOR, CRAWLER, 48,000 LBS, 1.13 CY BUCKET, 22.00' MAX DIGGING DEPTH | 143 HP D-off | | $193,229 | 40.79 | 8.76 | 12.08 | 2.72 | 6.61 | 480 |
| | H25KC020 | SK210 LC | HYDRAULIC EXCAVATOR, CRAWLER, 53,400 LBS, 0.63 CY BUCKET, 39' MAX DIGGING DEPTH, LONG REACH BOOM | 143 HP D-off | | $221,140 | 45.28 | 10.03 | 13.82 | 3.12 | 6.61 | 534 |
| | H25KC021 | SK250 LC | HYDRAULIC EXCAVATOR, CRAWLER, 55,100 LBS, 1.875 CY BUCKET, 23.08' MAX DIGGING DEPTH | 176 HP D-off | | $222,434 | 47.72 | 10.09 | 13.90 | 3.14 | 8.13 | 551 |
| | H25KC022 | SK250 LC | HYDRAULIC EXCAVATOR, CRAWLER, 59,100 LBS, 0.50 CY BUCKET, 23' MAX DIGGING DEPTH, LONG LREACH BOOM | 176 HP D-off | | $264,973 | 54.56 | 12.02 | 16.56 | 3.74 | 8.13 | 591 |
| | H25KC023 | SK330 LC | HYDRAULIC EXCAVATOR, CRAWLER, 77,800 LBS, 2.05 CY BUCKET, 24.58' MAX DIGGING DEPTH | 238 HP D-off | | $320,524 | 67.70 | 14.54 | 20.03 | 4.52 | 10.99 | 778 |
| | | | **Komatsu America International Company** | | | | | | | | | |
| | H25KM012 | PC 200 LC-6 | HYDRAULIC EXCAVATOR, CRAWLER, 46,363 LBS, 1.50 CY BUCKET, 21.75' MAX DIGGING DEPTH | 133 HP D-off | | $238,810 | 47.43 | 10.84 | 14.93 | 3.37 | 6.14 | 464 |
| | H25KM004 | PC 220 LC-6 | HYDRAULIC EXCAVATOR, CRAWLER, 57,483 LBS, 1.75 CY BUCKET, 22.25' MAX DIGGING DEPTH | 158 HP D-off | | $272,715 | 54.58 | 12.37 | 17.04 | 3.85 | 7.30 | 575 |
| | H25KM005 | PC 300 LC-5 | HYDRAULIC EXCAVATOR, CRAWLER, 74,803 LBS, 2.50 CY BUCKET, 24.25' MAX DIGGING DEPTH | 232 HP D-off | | $379,896 | 76.84 | 17.23 | 23.74 | 5.36 | 10.72 | 748 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | *Komatsu America International Company (continued)* | | | | | | | | | |
| | H25KM013 | PC 400 LC-6 | HYDRAULIC EXCAVATOR, CRAWLER, 99,517 LBS, 2.75 CY BUCKET, 25.50' MAX DIGGING DEPTH | 306 HP D-off | | $497,528 | 100.79 | 22.57 | 31.10 | 7.02 | 14.13 | 995 |
| | | | **LINK-BELT CONSTRUCTION EQUIPMENT COMPANY** | | | | | | | | | |
| | H25LI006 | 2800 QUANTUM | HYDRAULIC EXCAVATOR, CRAWLER, 45,200 LBS, 1.08 CY BUCKET, 21'11" MAX DIGGING DEPTH | 128 HP D-off | | $177,760 | 37.28 | 8.07 | 11.11 | 2.51 | 5.91 | 453 |
| | H25LI007 | 3400 QUANTUM | HYDRAULIC EXCAVATOR, CRAWLER, 53,100 LBS, 1.05 CY BUCKET, 22'10" MAX DIGGING DEPTH | 153 HP D-off | | $226,962 | 46.89 | 10.30 | 14.19 | 3.20 | 7.07 | 532 |
| | H25LI008 | 3900 QUANTUM | HYDRAULIC EXCAVATOR, CRAWLER, 62,800 LBS, 1.32 CY BUCKET, 23'7" MAX DIGGING DEPTH | 178 HP D-off | | $249,282 | 52.17 | 11.31 | 15.58 | 3.52 | 8.22 | 629 |
| | H25LI009 | 4300 QUANTUM | HYDRAULIC EXCAVATOR, CRAWLER, 73,600 LBS, 1.54 CY BUCKET, 24'3" MAX DIGGING DEPTH | 240 HP D-off | | $283,226 | 61.85 | 12.84 | 17.70 | 3.99 | 11.09 | 736 |
| | H25LI010 | 5800 QUANTUM | HYDRAULIC EXCAVATOR, CRAWLER, 99,900 LBS, 2.14 CY, 27'6" MAX DIGGING DEPTH | 300 HP D-off | | $419,509 | 87.84 | 19.03 | 26.22 | 5.92 | 13.86 | 998 |
| | **SUBCATEGORY 0.13** | | **OVER 100,000 LBS THRU 160,000 LBS** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | H25CA041 | 365BL | HYDRAULIC EXCAVATOR, CRAWLER, 149,000 LBS, 3.61 CY BUCKET, 27.58' MAX DIGGING DEPTH, GENERAL PURPOSE | 385 HP D-off | | $694,945 | 121.09 | 25.90 | 32.58 | 9.61 | 18.93 | 1,490 |
| | | | **KOBELCO AMERICA INC.** | | | | | | | | | |
| | H25KC024 | SK400 LC | HYDRAULIC EXCAVATOR, CRAWLER, 101,900 LBS 3.06 CY BUCKET, 25.58' MAX DIGGING DEPTH | 306 HP D-off | | $416,986 | 77.37 | 15.55 | 19.55 | 5.77 | 15.05 | 1,019 |
| | H25KC026 | SK480LC | HYDRAULIC EXCAVATOR, CRAWLER, 108,000 LBS, 2.25 CY BUCKET, 25.58' MAX DIGGING DEPTH, HEAVY DUTY | 315 HP D-off | | $436,848 | 80.70 | 16.28 | 20.48 | 6.04 | 15.49 | 1,080 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Komatsu America International Company** | | | | | | | | | |
| | H25KM015 | PC 600 LC-6 | HYDRAULIC EXCAVATOR, CRAWLER, 133,160 LBS, 4.25 CY BUCKET, 27.83' MAX DIGGING DEPTH | 384 HP D-off | | $737,200 | 126.94 | 27.48 | 34.56 | 10.20 | 18.88 | 1,332 |
| | **SUBCATEGORY 0.14** | | **OVER 160,000 LBS** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | H25CA033 | 365-B | HYDRAULIC EXCAVATOR, CRAWLER, 164,400 LBS, 4.00 CY BUCKET, 31.41' MAX DIGGING DEPTH | 374 HP D-off | | $716,348 | 114.33 | 23.96 | 28.28 | 9.82 | 18.39 | 1,644 |
| | H25CA042 | 375L | HYDRAULIC EXCAVATOR, CRAWLER, 779,900 LBS, 5.00 CY BUCKET, 31.08' MAX DIGGING DEPTH | 428 HP D-off | | $868,037 | 136.92 | 29.03 | 34.26 | 11.90 | 21.04 | 1,798 |
| | H25CA030 | 375 | HYDRAULIC EXCAVATOR, CRAWLER, 175,500 LBS, 5.00 CY BUCKET, 34.75' MAX DIGGING DEPTH | 428 HP D-off | | $831,580 | 132.32 | 27.82 | 32.83 | 11.40 | 21.04 | 1,750 |
| | H25CA031 | 375-L | HYDRAULIC EXCAVATOR, CRAWLER, 255,400 LBS, 6.00 CY BUCKET, 26.57' MAX DIGGING DEPTH | 428 HP D-off | | $873,447 | 137.60 | 29.21 | 34.48 | 11.97 | 21.04 | 2,554 |
| | H25CA043 | 385BL | HYDRAULIC EXCAVATOR, CRAWLER, 190,500 LBS, 6.00 CY BUCKET, 27.83' MAX DIGGING DEPTH, GENERAL PURPOSE | 513 HP D-off | | $920,551 | 148.99 | 30.79 | 36.34 | 12.62 | 25.22 | 1,920 |
| | | | **Komatsu America International Company** | | | | | | | | | |
| | H25KM009 | PC 750LC-6 | HYDRAULIC EXCAVATOR, CRAWLER, 171,070 LBS, 5.25 CY BUCKET, 27.66' MAX DIGGING DEPTH | 443 HP D-off | | $949,724 | 148.20 | 31.77 | 37.49 | 13.02 | 21.78 | 1,711 |
| | H25KM010 | PC 1100-6 | HYDRAULIC EXCAVATOR, CRAWLER, 227,100 LBS, 8.50 CY BUCKET, 34.25' MAX DIGGING DEPTH | 611 HP D-off | | $1,316,036 | 205.18 | 44.02 | 51.95 | 18.04 | 30.04 | 2,271 |
| | H25KM011 | PC 1100LC-6 | HYDRAULIC EXCAVATOR, CRAWLER, 248,060 LBS, 6.50 CY BUCKET, 38.00' MAX DIGGING DEPTH | 611 HP D-off | | $1,383,522 | 213.69 | 46.27 | 54.61 | 18.96 | 30.04 | 2,481 |
| | H25KM033 | PC1800-6 | HYDRAULIC EXCAVATOR, CRAWLER, 396,800 LBS, 15.70 CY, 30'5" MAX DIGGING DEPTH | 908 HP D-off | | $1,799,158 | 285.15 | 60.17 | 71.02 | 24.66 | 44.65 | 3,968 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **LINK-BELT CONSTRUCTION EQUIPMENT COMPANY** | | | | | | | | | |
| | H25LI011 | 8000 QUANTUM | HYDRAULIC EXCAVATOR, CRAWLER, 176,400 LBS, 2.97 CY, 29'6" MAX DIGGING DEPTH | 438 HP D-off | | $729,087 | 120.02 | 24.38 | 28.78 | 9.99 | 21.54 | 1,764 |
| | **SUBCATEGORY 0.21** | | **ATTACHMENTS, MOBILE SHEARS** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | H25CA055 | S305 | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 9.4" JAW OPENING (ADD 5 TON HYDRAULIC EXCAVATOR) | | | $22,791 | 8.11 | 1.95 | 3.23 | 0.33 | 0.00 | 15 |
| | H25CA057 | S320 | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 15.4" JAW OPENING (ADD 10 TON HYDRAULIC EXCAVATOR) | | | $77,432 | 26.99 | 6.60 | 10.97 | 1.11 | 0.00 | 57 |
| | H25CA052 | S230 | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 22.0" JAW OPENING (ADD 17.5 TON HYDARULIC EXCAVATOR) | | | $87,673 | 31.15 | 7.47 | 12.42 | 1.26 | 0.00 | 84 |
| | H25CA053 | S250 | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 28.0" JAW OPENING (ADD 22.5 TON HYDRAULIC EXCAVATOR) | | | $118,702 | 41.75 | 10.12 | 16.82 | 1.71 | 0.00 | 158 |
| | H25CA054 | S280 | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 32.0" JAW OPENING (ADD 50 TON HYDRAULIC EXCAVATOR) | | | $152,710 | 54.65 | 13.02 | 21.63 | 2.20 | 0.00 | 191 |
| | H25CA056 | S2130 | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, SCRAP, 43.0" JAW OPENING (ADD 50 TON HYDRAULIC EXCAVATOR) | | | $249,397 | 87.35 | 21.26 | 35.33 | 3.59 | 0.00 | 307 |
| | | | **LABOUNTY MANUFACTURING,** | | | | | | | | | |
| | H25LU001 | MSD 7 | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 10" JAW OPENING, 4'7" REACH (ADD 5 TON HYDRAULIC EXCAVATOR) | | | $19,013 | 6.82 | 1.62 | 2.69 | 0.27 | 0.00 | 10 |
| | H25LU002 | MSD 7R | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 10" JAW OPENING, 5'0" REACH (ADD 7 TON HYDRAULIC EXCAVATOR) | | | $25,698 | 9.19 | 2.19 | 3.64 | 0.37 | 0.00 | 11 |
| | H25LU003 | MSD 15 | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 18" JAW OPENING, 6'6" REACH (ADD 10 TON HYDRAULIC EXCAVATOR) | | | $40,098 | 14.36 | 3.42 | 5.68 | 0.58 | 0.00 | 30 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| | REGION 7 | | | ENGINE HORSEPOWER - FUEL TYPE | | VALUE (TEV) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID.NO. | MODEL | EQUIPMENT DESCRIPTION | MAIN | CARRIER | 2000 ($) | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| *H25* | | | *LABOUNTY MANUFACTURING, (continued)* | | | | | | | | | |
| | H25LU004 | MSD 15R | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 18" JAW OPENING, 8'6" REACH (ADD 12.5 TON HYDRAULIC EXCAVATOR) | | | $51,399 | 18.28 | 4.38 | 7.28 | 0.74 | 0.00 | 35 |
| | H25LU005 | MSD 30 | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 22" JAW OPENING, 7'0" REACH (ADD 12.5 TON HYDRAULIC EXCAVATOR) | | | $58,393 | 20.85 | 4.98 | 8.27 | 0.84 | 0.00 | 50 |
| | H25LU006 | MSD 30R | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 22" JAW OPENING,10'4" REACH (ADD 17.5 TON HYDRAULIC EXCAVATOR) | | | $86,630 | 30.80 | 7.39 | 12.27 | 1.25 | 0.00 | 67 |
| | H25LU007 | MSD 40-III | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 27" JAW OPENING, 8'6" REACH (ADD 20 TON HYDRAULIC EXCAVATOR) | | | $69,712 | 24.98 | 5.94 | 9.88 | 1.00 | 0.00 | 70 |
| | H25LU008 | MSD 40R-III | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 27" JAW OPENING, 12'6" REACH (ADD 22.5 TON HYDRAULIC EXCAVATOR) | | | $95,979 | 34.06 | 8.18 | 13.60 | 1.38 | 0.00 | 90 |
| | H25LU009 | MSD 50-III | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 32" JAW OPENING, 9'0" REACH (ADD 22.5 TON HYDRAULIC EXCAVATOR) | | | $100,016 | 35.53 | 8.53 | 14.17 | 1.44 | 0.00 | 109 |
| | H25LU010 | MSD 50R-III | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 32" JAW OPENING, 13'4" REACH (ADD 30 TON HYDRAULIC EXCAVATOR) | | | $124,875 | 44.24 | 10.65 | 17.69 | 1.80 | 0.00 | 140 |
| | H25LU011 | MSD 70-III | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 35" JAW OPENING, 10'4" REACH (ADD 30 TON HYDRAULIC EXCAVATOR) | | | $113,037 | 40.23 | 9.64 | 16.01 | 1.63 | 0.00 | 130 |
| | H25LU012 | MSD 70R-III | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 35" JAW OPENING, 14'4" REACH (ADD 37.5 TON HYDRAULIC EXCAVATOR) | | | $150,476 | 53.40 | 12.83 | 21.32 | 2.17 | 0.00 | 164 |
| | H25LU013 | MSD 100-III | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 38" JAW OPENING, 11'6" REACH (ADD 37.5 TON HYDRAULIC EXCAVATOR) | | | $150,665 | 53.56 | 12.84 | 21.34 | 2.17 | 0.00 | 150 |
| | H25LU014 | MSD 100R-III | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 38" JAW OPENING, 16'0" REACH (ADD 37.5 TON HYDRAULIC EXCAVATOR) | | | $180,100 | 63.91 | 15.35 | 25.51 | 2.59 | 0.00 | 180 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | *LABOUNTY MANUFACTURING, (continued)* | | | | | | | | | |
| | H25LU015 | MSD 140 | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 44" JAW OPENING, 13'10" REACH (ADD 50 TON HYDRAULIC EXCAVATOR) | | | $163,974 | 58.46 | 13.98 | 23.23 | 2.36 | 0.00 | 195 |
| | H25LU016 | MSD 140R | HYDRAULIC EXCAVATOR, ATTACHMENT, MOBILE SHEARS, 44" JAW OPENING, 18'6" REACH (ADD 70 TON HYDRAULIC EXCAVATOR) | | | $200,855 | 71.53 | 17.12 | 28.45 | 2.89 | 0.00 | 245 |
| | **SUBCATEGORY 0.22** | | **ATTACHMENTS, MATERIAL HANDLING** | | | | | | | | | |
| | | | **BALDERSON, INC.** | | | | | | | | | |
| | H25BS001 | | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 0.50 CY BUCKET, W/TIPS (ADD HYDRAULIC EXCAVATOR) | | | $4,386 | 1.35 | 0.35 | 0.58 | 0.06 | 0.00 | 10 |
| | H25BS002 | | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 0.75 CY BUCKET, W/TIPS (ADD HYDRAULIC EXCAVATOR) | | | $5,034 | 1.56 | 0.41 | 0.67 | 0.07 | 0.00 | 16 |
| | H25BS003 | | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 1.25 CY BUCKET, W/TIPS (ADD HYDRAULIC EXCAVATOR) | | | $5,374 | 1.67 | 0.44 | 0.72 | 0.08 | 0.00 | 30 |
| | H25BS004 | | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 1.50 CY BUCKET, W/TIPS (ADD HYDRAULIC EXCAVATOR) | | | $6,752 | 2.09 | 0.55 | 0.90 | 0.10 | 0.00 | 22 |
| | H25BS005 | | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, 3.25 CY BUCKET, W/TIPS (ADD HYDRAULIC EXCAVATOR) | | | $10,351 | 3.21 | 0.84 | 1.38 | 0.15 | 0.00 | 52 |
| | | | **LABOUNTY MANUFACTURING,** | | | | | | | | | |
| | H25LU023 | 100 TR | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 1.25CY, 3-TINE/ 4-TINE (ADD 12.5 TON HYDRAULIC EXCAVATOR) | | | $10,601 | 3.54 | 0.87 | 1.41 | 0.16 | 0.00 | 18 |
| | H25LU024 | 110 TR | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 3.50CY, 3-TINE/ 4-TINE (ADD 17.5 TON HYDRAULIC EXCAVATOR) | | | $15,468 | 5.10 | 1.26 | 2.06 | 0.23 | 0.00 | 27 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| | REGION 7 | | | ENGINE HORSEPOWER - FUEL TYPE | | VALUE (TEV) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID.NO. | MODEL | EQUIPMENT DESCRIPTION | MAIN | CARRIER | 2000 ($) | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| *H25* | | | *LABOUNTY MANUFACTURING, (continued)* | | | | | | | | | |
| | H25LU025 | 120 TR | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 3.50CY, 3-TINE/ 4-TINE (ADD 22.5 TON HYDRAULIC EXCAVATOR) | | | $19,103 | 6.32 | 1.56 | 2.55 | 0.28 | 0.00 | 35 |
| | H25LU026 | 140 TR | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 5.50CY, 3-TINE/ 4-TINE (ADD 30 TON HYDRAULIC EXCAVATOR) | | | $21,765 | 7.25 | 1.77 | 2.90 | 0.32 | 0.00 | 49 |
| | H25LU027 | 160 TR | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 6.50CY, 3-TINE/ 4-TINE (ADD 37.5 TON HYDRAULIC EXCAVATOR) | | | $24,402 | 8.16 | 1.99 | 3.25 | 0.36 | 0.00 | 60 |
| | H25LU028 | 170 TR | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, GRAPPLE, 9.00CY, 3-TINE/ 4-TINE (ADD 50 TON HYDRAULIC EXCAVATOR) | | | $31,346 | 10.42 | 2.55 | 4.18 | 0.46 | 0.00 | 80 |
| | H25LU029 | RB 80 | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING BARREL HANDLER (ADD HYDRAULIC EXCAVATOR) | | | $25,033 | 8.17 | 2.04 | 3.34 | 0.37 | 0.00 | 17 |
| | H25LU030 | RBC 80 | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING BARREL HANDLER/CRUSHER (ADD 20 TON HYDRAULIC EXCAVATOR) | | | $38,740 | 12.62 | 3.16 | 5.17 | 0.57 | 0.00 | 21 |
| | H25LU031 | MD 30 | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, MATERIAL DENSIFIER, (ADD 25 TON HYDRAULIC EXCAVATOR) | | | $63,743 | 20.97 | 5.19 | 8.50 | 0.94 | 0.00 | 60 |
| | H25LU032 | MD 50 | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, MATERIAL DENSIFIER, (ADD 35 TON HYDRAULIC EXCAVATOR) | | | $76,225 | 25.04 | 6.21 | 10.16 | 1.13 | 0.00 | 90 |
| | H25LU033 | R80 | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING GRAPPLE, 0.75 CY (ADD 17.5 TON HYDRAULIC EXCAVATOR) | | | $34,767 | 11.38 | 2.83 | 4.64 | 0.51 | 0.00 | 22 |
| | H25LU034 | R100 | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING GRAPPLE, 1.00 CY (ADD 22.5 TON HYDRAULIC EXCAVATOR) | | | $46,747 | 15.29 | 3.81 | 6.23 | 0.69 | 0.00 | 40 |
| | H25LU035 | R110 | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING GRAPPLE, 1.25 CY (ADD 30 TON HYDRAULIC EXCAVATOR) | | | $49,487 | 16.25 | 4.03 | 6.60 | 0.73 | 0.00 | 64 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | *LABOUNTY MANUFACTURING, (continued)* | | | | | | | | | |
| | H25LU036 | R120 | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, ROTATING GRAPPLE, 2.00 CY (ADD 37.5 TON HYDRAULIC EXCAVATOR) | | | $52,196 | 17.19 | 4.25 | 6.96 | 0.77 | 0.00 | 84 |
| | | | **WAIN-ROY, INC.** | | | | | | | | | |
| | H25WN001 | | HYDRAULIC EXCAVATOR, ATTACHMENT, MATERIAL HANDLING, BUCKET, 36" PAVEMENT REMOVAL (ADD 37.5 TON HYDRAULIC EXCAVATOR) | | | $11,362 | 3.52 | 0.93 | 1.51 | 0.17 | 0.00 | 31 |
| | **SUBCATEGORY 0.23** | | **ATTACHMENTS, CONCRETE PULVERIZERS** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | H25CA058 | CR3 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRUSHER, 16.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR) | | | $18,643 | 7.18 | 1.59 | 2.64 | 0.27 | 0.00 | 6 |
| | H25CA059 | P16 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 30.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR) | | | $67,848 | 24.92 | 5.79 | 9.61 | 0.98 | 0.00 | 53 |
| | H25CA060 | P28 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 34.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR) | | | $99,872 | 36.55 | 8.52 | 14.15 | 1.44 | 0.00 | 87 |
| | H25CA061 | CR28 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRUSHER, 36.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR) | | | $87,136 | 31.97 | 7.42 | 12.34 | 1.25 | 0.00 | 81 |
| | H25CA062 | P60 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 45.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR) | | | $159,375 | 58.02 | 13.58 | 22.58 | 2.29 | 0.00 | 194 |
| | H25CA063 | CR35 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRUSHER, 47.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR) | | | $114,054 | 41.78 | 9.72 | 16.16 | 1.64 | 0.00 | 111 |
| | H25CA064 | CR50 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRUSHER, 63.0" JAW OPENING (ADD HYDRAULIC EXCAVATOR) | | | $138,634 | 50.69 | 11.82 | 19.64 | 2.00 | 0.00 | 155 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **KENT DEMOLITION TOOLS** | | | | | | | | | |
| | H25KN001 | KHB10G 11 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 2000 LB, W/POINT (ADD 8-12 TON HYDRAULIC EXCAVATOR) | | | $29,406 | 11.04 | 2.51 | 4.17 | 0.42 | 0.00 | 16 |
| | H25KN002 | KHB15G 11 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 3000 LB, W/POINT (ADD 13-18 TON HYDRAULIC EXCAVATOR) | | | $40,624 | 15.06 | 3.46 | 5.76 | 0.58 | 0.00 | 29 |
| | H25KN003 | KHB20G 11 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 4000 LB, W/POINT (ADD 18-25 TON HYDRAULIC EXCAVATOR) | | | $49,619 | 18.28 | 4.23 | 7.03 | 0.71 | 0.00 | 40 |
| | H25KN004 | KHB30G 11 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 5000 LB, W/POINT (ADD 25-32 TON HYDRAULIC EXCAVATOR) | | | $64,437 | 23.60 | 5.50 | 9.13 | 0.93 | 0.00 | 46 |
| | H25KN005 | KHB40G 11 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 7000 LB, W/POINT (ADD 32-44 TON HYDRAULIC EXCAVATOR) | | | $81,008 | 30.04 | 6.91 | 11.48 | 1.17 | 0.00 | 60 |
| | H25KN006 | KHB50G 11 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 10,000 LB, W/POINT (ADD 40 TON HYDRAULIC EXCAVATOR) | | | $114,858 | 42.16 | 9.79 | 16.27 | 1.65 | 0.00 | 87 |
| | | | **LABOUNTY MANUFACTURING,** | | | | | | | | | |
| | H25LU045 | CP 30 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 14.5" THICK, (ADD 17.5 TON HYDRAULIC EXCAVATOR) | | | $21,392 | 8.17 | 1.83 | 3.03 | 0.31 | 0.00 | 21 |
| | H25LU046 | CP 40 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 24" THICK, 16" WIDE (ADD 20 TON HYDRAULIC EXCAVATOR) | | | $23,149 | 8.79 | 1.97 | 3.28 | 0.33 | 0.00 | 29 |
| | H25LU047 | CP 60 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 30" THICK, 16" WIDE (ADD 30 TON HYDRAULIC EXCAVATOR) | | | $26,645 | 10.14 | 2.27 | 3.77 | 0.38 | 0.00 | 30 |
| | H25LU048 | CP 80 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 36" THICK, 21" WIDE (ADD 37.5 TON HYDRAULIC EXCAVATOR) | | | $30,151 | 11.50 | 2.57 | 4.27 | 0.43 | 0.00 | 45 |
| | H25LU049 | CP 100 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 42" THICK, 30" WIDE (ADD 50 TON HYDRAULIC EXCAVATOR) | | | $36,563 | 13.91 | 3.12 | 5.18 | 0.53 | 0.00 | 62 |
| | H25LU050 | CP 120 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, 48" THICK, 41" WIDE (ADD 70 TON HYDRAULIC EXCAVATOR) | | | $44,628 | 16.89 | 3.80 | 6.32 | 0.64 | 0.00 | 99 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | *LABOUNTY MANUFACTURING, (continued)* | | | | | | | | | |
| | H25LU040 | UP 50 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRACKING JAWS, 36.0" JAW OPENING (ADD 22.5 TON HYDRAULIC EXCAVATOR) | | | $99,662 | 36.46 | 8.49 | 14.12 | 1.43 | 0.00 | 102 |
| | H25LU041 | UP 70 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRACKING JAWS, 48.0" JAW OPENING (ADD 30 TON HYDRAULIC EXCAVATOR) | | | $124,261 | 45.28 | 10.59 | 17.60 | 1.79 | 0.00 | 138 |
| | H25LU042 | UP 90 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, CRACKING JAWS, 62.0" JAW OPENING (ADD 37.5 TON HYDRAULIC EXCAVATOR) | | | $147,641 | 54.41 | 12.58 | 20.92 | 2.12 | 0.00 | 171 |
| | H25LU053 | UP 50 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, STEEL JAWS, 41" JAW OPENING (ADD 22.5 TON HYDRAULIC EXCAVATOR) | | | $101,988 | 37.31 | 8.70 | 14.45 | 1.47 | 0.00 | 96 |
| | H25LU054 | UP 70 | HYDRAULIC EXCAVATOR, ATTACHMENT, CONCRETE PULVERIZER, PLATE SHEAR, 21" JAW OPENING (ADD 30 TON HYDRAULIC EXCAVATOR) | | | $125,492 | 45.73 | 10.70 | 17.78 | 1.81 | 0.00 | 126 |
| | **SUBCATEGORY 0.24** | | **ATTACHMENTS, COMPACTORS** | | | | | | | | | |
| | | | **ALLIED CONSTRUCTION PRODUCTS** | | | | | | | | | |
| | H25AU001 | 4700 W/SWIVEL | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 18" X 12", 3030 LBS FORCE (ADD HYDRAULIC EXCAVATOR) | | | $6,002 | 2.15 | 0.52 | 0.85 | 0.09 | 0.00 | 4 |
| | H25AU002 | 8700C W/SWIVEL | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 34" X 24", 6400 LBS FORCE (ADD HYDRAULIC EXCAVATOR) | | | $6,738 | 2.41 | 0.58 | 0.95 | 0.10 | 0.00 | 9 |
| | H25AU003 | 9700C W/SWIVEL | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 40" X 29", 13500 LBS FORCE (ADD HYDRAULIC EXCAVATOR) | | | $9,878 | 3.54 | 0.84 | 1.40 | 0.14 | 0.00 | 16 |
| | H25AU004 | 9800 W/SWIVEL | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 44" X 34", 20000 LBS FORCE (ADD HYDRAULIC EXCAVATOR) | | | $15,611 | 5.59 | 1.33 | 2.21 | 0.22 | 0.00 | 23 |
| | H25AU005 | 9801 W/SWIVEL | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 44" X 34", 22000 LBS FORCE (ADD HYDRAULIC EXCAVATOR) | | | $15,920 | 5.71 | 1.36 | 2.26 | 0.23 | 0.00 | 23 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **AMERICAN COMPACTION EQUIPMENT, INC.** | | | | | | | | | |
| | H25AX001 | DC-24BL | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 23" WIDE, SHEEPS FOOT, 3 RIMS (ADD 12.5-25 TON HYDRAULIC EXCAVATOR) | | | $6,283 | 2.25 | 0.54 | 0.89 | 0.09 | 0.00 | 21 |
| | H25AX003 | DC-24EX | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 23" WIDE, SHEEPS FOOT, 3 RIMS (ADD 25-37.5 TON HYDRAULIC EXCAVATOR) | | | $7,688 | 2.76 | 0.66 | 1.09 | 0.11 | 0.00 | 31 |
| | H25AX005 | DC-24EXL | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 24" WIDE, SHEEPS FOOT, 3 RIMS (ADD 37.5-55 TON HYDRAULIC EXCAVATOR) | | | $8,434 | 3.02 | 0.72 | 1.19 | 0.12 | 0.00 | 35 |
| | H25AX002 | DC-36BL | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 35" WIDE, SHEEPS FOOT, 4 RIMS (ADD 12.5-25 TON HYDRAULIC EXCAVATOR) | | | $6,824 | 2.45 | 0.59 | 0.97 | 0.10 | 0.00 | 25 |
| | H25AX004 | DC-36EX | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 35" WIDE, SHEEPS FOOT, 4 RIMS (ADD 25-37.5 TON HYDRAULIC EXCAVATOR) | | | $8,756 | 3.14 | 0.75 | 1.24 | 0.13 | 0.00 | 37 |
| | H25AX006 | DC-36EXL | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 36" WIDE, SHEEPS FOOT, 4 RIMS (ADD 37.5-55 TON HYDRAULIC EXCAVATOR) | | | $9,517 | 3.42 | 0.82 | 1.35 | 0.14 | 0.00 | 43 |
| | | | **KENT DEMOLITION TOOLS** | | | | | | | | | |
| | H25KN007 | KHP-30 | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 3000 LB FORCE (ADD HYDRAULIC EXCAVATOR) | | | $4,117 | 1.62 | 0.35 | 0.58 | 0.06 | 0.00 | 4 |
| | H25KN009 | KHP-135 | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 13500 LB FORCE (ADD HYDRAULIC EXCAVATOR) | | | $8,302 | 3.13 | 0.71 | 1.18 | 0.12 | 0.00 | 14 |
| | H25KN010 | KHP-210 | HYDRAULIC EXCAVATOR, ATTACHMENT, COMPACTOR, 20000 LB FORCE (ADD HYDRAULIC EXCAVATOR) | | | $12,366 | 4.58 | 1.06 | 1.75 | 0.18 | 0.00 | 23 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **H30** | **HYDRAULIC EXCAVATORS, WHEEL MOUNTED** | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **0 THRU 1.0 CY** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | H30CA006 | M312 | HYDRAULIC EXCAVATORS, WHEEL, 30,400 LBS, 0.70 CY BUCKET, 1-PIECE BOOM, 16'8" DIGGING DEPTH, 4X4X2 | 113 HP D-off | | $140,215 | 34.02 | 8.41 | 12.71 | 2.05 | 5.22 | 303 |
| | H30CA007 | M315 | HYDRAULIC EXCAVATORS, WHEEL, 35,100 LBS, 0.70 CY BUCKET, 1-PIECE, 17'7" DIGGING DEPTH, 4X4X2 | 114 HP D-off | | $160,867 | 37.96 | 9.68 | 14.65 | 2.35 | 5.27 | 354 |
| | | | **GRADALL COMPANY** | | | | | | | | | |
| | H30GA003 | G3WD 4X2 | HYDRAULIC EXCAVATORS, WHEEL, 34,100 LBS, 0.625CY BUCKET, TELESCOPIC BOOM, 4X2 | 173 HP D-off | 190 HP D-on | $165,714 | 45.56 | 10.04 | 15.24 | 2.42 | 9.97 | 342 |
| | H30GA006 | XL4100 | HYDRAULIC EXCAVATORS, WHEEL, 44,851 LBS, 0.75 CY BUCKET, 22'6" DIGGING DEPTH, TELESCOPIC BOOM, 6X4 | 138 HP D-off | 185 HP D-on | $276,253 | 63.90 | 16.75 | 25.42 | 4.04 | 8.30 | 457 |
| | **SUBCATEGORY 0.02** | | **OVER 1.0 CY** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | H30CA005 | M318 | HYDRAULIC EXCAVATORS, WHEEL, 33,700 LBS, 1.00 CY BUCKET, 19' DIGGING DEPTH, 30.7' RAD, 4X4 | 131 HP D-off | | $178,770 | 38.59 | 9.08 | 13.04 | 2.56 | 6.05 | 393 |
| | H30CA008 | M320 | HYDRAULIC EXCAVATORS, WHEEL, 44,800 LBS, 1.060 CY BUCKET, 1-PIECE, 19' DIGGING DEPTH, 4X4X2 | 130 HP D-off | | $206,438 | 44.08 | 10.47 | 15.04 | 2.95 | 6.00 | 448 |
| | | | **GRADALL COMPANY** | | | | | | | | | |
| | H30GA008 | XL 5100 | HYDRAULIC EXCAVATORS, WHEEL, 22,800 LBS, 1.25 CY BUCKET, 25'4" DIGGING DEPTH, 6X4 | 163 HP D-off | 230 HP D-on | $324,299 | 69.58 | 16.49 | 23.69 | 4.64 | 9.93 | 553 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Komatsu America International Company** | | | | | | | | | |
| | H30KM001 | PW170ES-6 | HYDRAULIC EXCAVATORS, WHEEL, 37,600 LBS, 1.12 CY BUCKET, 18.67' DIGGING DEPTH, 29.4' RAD, 4X4 | 123 HP D-off | | $214,150 | 43.78 | 10.97 | 15.81 | 3.06 | 5.68 | 376 |
| H35 | HYDRAULIC SHOVELS, CRAWLER MOUNTED | | | | | | | | | | | |
| | **SUBCATEGORY 0.12** | | **DIESEL, OVER 5.0 CY** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | H35CA001 | 5080 | HYDRAULIC SHOVEL, CRAWLER, 6.80 CY BUCKET, FRONT SHOVEL, MASS BUCKET, 9' DIG DEEP | 424 HP D-off | | $955,050 | 178.01 | 36.65 | 47.75 | 12.77 | 20.85 | 1,848 |
| | | | **HITACHI CONSTRUCTION MACHINERY** | | | | | | | | | |
| | H35HI004 | EX750-5 | HYDRAULIC SHOVEL, CRAWLER, 5.23 CY BUCKET | 434 HP D-off | | $961,378 | 179.64 | 36.89 | 48.07 | 12.85 | 21.34 | 1,666 |
| | H35HI005 | EX1100-3 | HYDRAULIC SHOVEL, CRAWLER, 7.50 CY BUCKET, ROCK, 235,700 LBS | 550 HP D-off | | $1,089,473 | 207.29 | 41.81 | 54.47 | 14.57 | 27.04 | 2,356 |
| | H35HI006 | EX1200 | HYDRAULIC SHOVEL, CRAWLER, 8.5 CY, GENERAL PURPOSE BUCKET, 244,700 LBS | 641 HP D-off | | $1,101,346 | 214.98 | 42.27 | 55.07 | 14.73 | 31.52 | 2,447 |
| | H35HI002 | EX1800-3 | HYDRAULIC SHOVEL, CRAWLER, 13.50 CY BUCKET | 1,000 HP D-off | | $1,880,647 | 361.06 | 72.17 | 94.03 | 25.15 | 49.17 | 3,896 |
| | H35HI003 | EX3500-3 | HYDRAULIC SHOVEL, CRAWLER, 23.50 CY BUCKET | 1,634 HP D-off | | $3,862,558 | 714.76 | 148.21 | 193.13 | 51.64 | 80.34 | 7,360 |
| | | | **O & K ORENSTEIN & KOPPEL INC.** | | | | | | | | | |
| | H35OK001 | RH 40 E | HYDRAULIC SHOVEL, CRAWLER, 9.20 CY BUCKET | 496 HP D-off | | $959,611 | 183.32 | 36.82 | 47.98 | 12.83 | 24.39 | 2,204 |
| | H35OK003 | RH 90 C | HYDRAULIC SHOVEL, CRAWLER, 13.10 CY BUCKET | 856 HP D-off | | $1,783,872 | 336.57 | 68.45 | 89.19 | 23.85 | 42.09 | 3,484 |
| | H35OK004 | RH 120 C | HYDRAULIC SHOVEL, CRAWLER, 17.00 CY BUCKET | 1,150 HP D-off | | $2,467,169 | 463.34 | 94.67 | 123.36 | 32.99 | 56.55 | 4,895 |
| | H35OK005 | RH 200 | HYDRAULIC SHOVEL, CRAWLER, 34.00 CY BUCKET | 2,060 HP D-off | | $5,251,084 | 961.41 | 201.49 | 262.55 | 70.21 | 101.29 | 10,582 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L10 | LAND CLEARING EQUIPMENT | | | | | | | | | | | |
| | SUBCATEGORY 0.00 | | LAND CLEARING EQUIPMENT | | | | | | | | | |
| | | | BALDERSON, INC. | | | | | | | | | |
| | L10BS004 | BBL7 | LAND CLEARING EQUIPMENT, ROCK & ROOT RAKE, 12.0' WIDE, 9 TEETH (ADD D7 TRACTOR DOZER) | | | $8,677 | 2.00 | 0.47 | 0.69 | 0.12 | 0.00 | 24 |
| | L10BS005 | BRK8 | LAND CLEARING EQUIPMENT, ROCK & ROOT RAKE 12.5' WIDE, 9 TEETH (ADD D8 TRACTOR DOZER) | | | $22,913 | 4.94 | 1.24 | 1.83 | 0.32 | 0.00 | 72 |
| | L10BS002 | BMA8 | LAND CLEARING EQUIPMENT, MULTI-APPLICATION RAKE, 12.5' WIDE, 9 TEETH (ADD D8 TRACTOR DOZER) | | | $25,152 | 5.39 | 1.36 | 2.01 | 0.35 | 0.00 | 68 |
| | L10BS007 | 988 DTC | LAND CLEARING EQUIPMENT, LOGGING FORK, 92" TINES (ADD CAT 988 FE LOADER) | | | $32,316 | 7.05 | 1.75 | 2.59 | 0.45 | 0.00 | 90 |
| | L10BS006 | RV8N | LAND CLEARING EQUIPMENT, V-TREE CUTTER (ADD D8 TRACTOR DOZER) | | | $36,035 | 7.69 | 1.94 | 2.88 | 0.50 | 0.00 | 133 |
| | | | BUSH HOG | | | | | | | | | |
| | L10BU009 | FH174 | LAND CLEARING EQUIPMENT, FLAIL MOWER, 62" WIDE, 0.5 - 5" HEIGHT (ADD FARM 30 - 60 HP TRACTOR) | | | $4,357 | 1.78 | 0.24 | 0.35 | 0.06 | 0.00 | 10 |
| | L10BU005 | SM-60 | LAND CLEARING EQUIPMENT, ROTARY CUTTER, 5' WIDE-SIDE MTD (ADD FARM 50 HP TRACTOR) | | | $7,110 | 2.54 | 0.39 | 0.57 | 0.10 | 0.00 | 17 |
| | L10BU010 | 278RP | LAND CLEARING EQUIPMENT, ROTARY CUTTER, 8' WIDE, 2.5 - 12" HEIGHT (ADD FARM 40 HP TRACTOR) | | | $5,699 | 1.96 | 0.31 | 0.46 | 0.08 | 0.00 | 13 |
| | L10BU011 | 3610 | LAND CLEARING EQUIPMENT, ROTARY CUTTER, 10.5' WIDE, 2 - 14" HEIGHT (ADD 70 HP FARM TRACTOR) | | | $11,598 | 3.85 | 0.63 | 0.93 | 0.16 | 0.00 | 46 |
| | L10BU012 | 3615 | LAND CLEARING EQUIPMENT, ROTARY CUTTER, 15' WIDE, 2-14" HEIGHT (ADD FARM 80 HP TRACTOR) | | | $14,731 | 4.98 | 0.79 | 1.18 | 0.20 | 0.00 | 51 |
| | L10BU013 | 2620 | LAND CLEARING EQUIPMENT, ROTARY CUTTER, 20' WIDE, 2-14" HEIGHT (ADD FARM 90 HP TRACTOR) | | | $17,879 | 6.12 | 0.97 | 1.43 | 0.25 | 0.00 | 63 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **VERMEER MANUFACTURING CO.** | | | | | | | | | | | |
| | L10VE010 | SC 252 | LAND CLEARING EQUIPMENT, STUMPER, 16" DIA WHEEL, TRAILER MTD | 25 HP | G | | | $12,161 | 5.88 | 0.65 | 0.96 | 0.17 | 2.48 | 11 |
| | L10VE002 | SC 630B | LAND CLEARING EQUIPMENT, STUMPER, 18" DIA WHEEL, TRAILER MTD | 34 HP | G | | | $12,431 | 7.14 | 0.66 | 0.97 | 0.17 | 3.37 | 17 |
| | L10VE009 | SC 672A | LAND CLEARING EQUIPMENT, STUMPER, 25" DIA WHEEL, TRAILER MTD | 65 HP | G | | | $24,800 | 13.86 | 1.32 | 1.96 | 0.34 | 6.44 | 33 |
| | L10VE005 | TS-30 | LAND CLEARING EQUIPMENT, TREE SPADE, 30" DIA, 24" DEPTH, TRAILER MTD | 13 HP | G | | | $8,908 | 3.58 | 0.47 | 0.69 | 0.12 | 1.29 | 38 |
| | L10VE006 | TS-44A | LAND CLEARING EQUIPMENT, TREE SPADE, 44" DIA, 40" DEPTH, TRAILER MTD | 13 HP | G | | | $21,650 | 6.16 | 1.16 | 1.71 | 0.30 | 1.29 | 66 |
| | L10VE007 | TS-50M | LAND CLEARING EQUIPMENT, TREE SPADE, 50" DIA, 48" DEPTH (ADD 13,800 GVW TRUCK) | | | | | $20,659 | 5.68 | 1.12 | 1.65 | 0.29 | 0.00 | 81 |
| **L15** | **LANDSCAPING EQUIPMENT** | | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LANDSCAPING EQUIPMENT** | | | | | | | | | | | |
| | | | **BOWIE INDUSTRIES, INC.** | | | | | | | | | | | |
| | L15BW001 | LANCER 500 | LANDSCAPING EQUIPMENT, 500 GAL, HYDROMULCHER, TRAILER MTD | 25 HP | G | | | $12,697 | 9.84 | 1.53 | 2.65 | 0.20 | 3.30 | 25 |
| | L15BW002 | VICTOR 800 | LANDSCAPING EQUIPMENT, 800 GAL, HYDROMULCHER, TRAILER MTD | 35 HP | G | | | $18,261 | 13.95 | 2.17 | 3.78 | 0.28 | 4.62 | 48 |
| | L15BW003 | VICTOR 1100 | LANDSCAPING EQUIPMENT, 1,100 GAL, HYDROMULCHER, TRAILER MTD | 35 HP | G | | | $21,582 | 15.42 | 2.59 | 4.49 | 0.34 | 4.62 | 60 |
| | L15BW004 | IMPERIAL 3000 | LANDSCAPING EQUIPMENT, 3,000 GAL, HYDROMULCHER, TRUCK MTD (ADD 55,000 GVW TRUCK) | 90 HP | D-off | | | $35,659 | 22.86 | 4.35 | 7.58 | 0.56 | 5.50 | 88 |
| | | | **FINN CORPORATION** | | | | | | | | | | | |
| | L15FG001 | T330 | LANDSCAPING EQUIPMENT, HYDROSEEDER, 3000 GAL, TRUCK MTD (INCLUDES 56,000 GVW TRUCK) | 109 HP | D-off | 310 HP | D-off | $46,438 | 33.29 | 5.66 | 9.87 | 0.72 | 9.89 | 85 |
| | | | **DEERE & COMPANY** | | | | | | | | | | | |
| | L15JD001 | F725 | LANDSCAPING EQUIPMENT, LAWNMOWER, 54" DECK, SIDE DISCHARGE RIDING, 4X2 | 20 HP | G | | | $10,671 | 8.01 | 1.21 | 2.08 | 0.17 | 2.64 | 12 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L15* | | | *DEERE & COMPANY (continued)* | | | | | | | | | | |
| | L15JD002 | F911 | LANDSCAPING EQUIPMENT, LAWNMOWER, 60" DECK, SIDE DISCHARGE RIDING, 4X2 | 22 HP | G | | $14,637 | 10.08 | 1.69 | 2.91 | 0.23 | 2.90 | 15 |
| | L15JD004 | F935 | LANDSCAPING EQUIPMENT, LAWNMOWER, 72" DECK, SIDE DISCHARGE RIDING, 4X2 | 22 HP | D-off | | $18,313 | 9.68 | 2.14 | 3.69 | 0.29 | 1.34 | 23 |
| | L15JD003 | F1145 | LANDSCAPING EQUIPMENT, LAWNMOWER, 72" DECK, SIDE DISCHARGE RIDING, 4X4 | 28 HP | D-off | | $22,328 | 11.91 | 2.61 | 4.52 | 0.35 | 1.71 | 26 |
| | | | **TORO** | | | | | | | | | | |
| | L15TO001 | SR-21SE | LANDSCAPING EQUIPMENT, LAWNMOWER, 21" PUSH MOWER, REAR BAGGER | 6 HP | G | | $885 | 1.42 | 0.11 | 0.19 | 0.01 | 0.79 | 1 |
| | L15TO002 | 8-25 | LANDSCAPING EQUIPMENT, LAWNMOWER, 32" DECK, RIDING MOWER | 8 HP | G | | $2,410 | 2.41 | 0.27 | 0.46 | 0.04 | 1.06 | 4 |
| | L15TO003 | 267-H | LANDSCAPING EQUIPMENT, LAWNMOWER, 48" DECK W/118 TRACTOR | 17 HP | G | | $4,719 | 4.95 | 0.55 | 0.95 | 0.07 | 2.24 | 8 |
| | L15TO004 | 267-H | LANDSCAPING EQUIPMENT, LAWNMOWER, 52" DECK W/118 TRACTOR | 17 HP | G | | $4,918 | 5.05 | 0.58 | 1.00 | 0.08 | 2.24 | 8 |
| | L15TO006 | 30223 | LANDSCAPING EQUIPMENT, LAWNMOWER, 62" DECK W/223 TRACTOR | 23 HP | G | | $16,365 | 11.11 | 1.96 | 3.39 | 0.26 | 3.04 | 18 |
| | L15TO005 | 30243 | LANDSCAPING EQUIPMENT, LAWNMOWER, 62" DECK W/223D TRACTOR | 23 HP | D-off | | $20,074 | 10.62 | 2.40 | 4.18 | 0.31 | 1.41 | 20 |
| | L15TO007 | 30789 | LANDSCAPING EQUIPMENT, LAWNMOWER, 72" DECK | 45 HP | G | | $18,022 | 15.61 | 2.16 | 3.75 | 0.28 | 5.94 | 20 |
| | L15TO008 | 30795 | LANDSCAPING EQUIPMENT, LAWNMOWER, 72" DECK W/223D TRACTOR | 25 HP | D-off | | $22,687 | 11.94 | 2.72 | 4.74 | 0.35 | 1.53 | 25 |
| | | | **WILLMAR EQUIPMENT COMPANY** | | | | | | | | | | |
| | L15WI001 | S-200 | LANDSCAPING EQUIPMENT, SPREADER, 85 CF DRY CHEMICAL (ADD 55 HP FARM TRACTOR) | | | | $6,059 | 2.68 | 0.72 | 1.25 | 0.09 | 0.00 | 15 |
| **L25** | **LINE STRIPING EQUIPMENT** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LINE STRIPING EQUIPMENT** | | | | | | | | | | |
| | | | **M-B COMPANIES, INC.** | | | | | | | | | | |
| | L25MB002 | 5-10A | LINE STRIPING EQUIPMENT, STRIPER, 1 GUN, WALK-BEHIND, SINGLE COLOR | 5 HP | G | | $3,310 | 2.89 | 0.22 | 0.33 | 0.05 | 0.70 | 6 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L25* | | | *M-B COMPANIES, INC. (continued)* | | | | | | | | | | |
| | L25MB005 | 5-12 | LINE STRIPING EQUIPMENT, STRIPER, 2 GUNS, WALK BEHIND, SINGLE COLOR | 10 HP | G | | $4,737 | 4.22 | 0.31 | 0.47 | 0.07 | 1.40 | 10 |
| | L25MB003 | 6-28 | LINE STRIPING EQUIPMENT, STRIPER, INTERMEDIATE 2 GUNS, SINGLE COLOR | 10 HP | G | | $10,979 | 6.33 | 0.71 | 1.10 | 0.16 | 1.40 | 15 |
| | L25MB007 | 220 | LINE STRIPING EQUIPMENT, STRIPER, 3-4 GUNS, SELF PROPELLED | 23 HP | G | | $36,274 | 15.95 | 2.34 | 3.63 | 0.52 | 3.23 | 30 |
| | L25MB006 | 245 | LINE STRIPING EQUIPMENT, STRIPER, INTERMEDIATE 3 GUNS | 60 HP | G | | $79,874 | 35.86 | 5.14 | 7.99 | 1.14 | 8.42 | 48 |
| | L25MB004 | VANMARK 360 | LINE STRIPING EQUIPMENT, STRIPER, PAVING, 2-3 LINES, W/ 11,000# GVW TRUCK, TWO COLORS | 190 HP | G | | $102,025 | 66.39 | 6.49 | 10.07 | 1.45 | 26.65 | 116 |
| | L25MB008 | 360 | LINE STRIPING EQUIPMENT, STRIPER, THERMAL 120 GAL, TRUCK MTD | 190 HP | G | | $191,420 | 93.17 | 12.01 | 18.57 | 2.72 | 26.65 | 80 |
| **L30** | **LOADERS, BELT (Conveyor belts) & ACCESSORIES** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LOADERS, BELT (Conveyor belts) & ACCESSORIES** | | | | | | | | | | |
| | | | **HEWITT-ROBINS** | | | | | | | | | | |
| | L30HW015 | V-11 6X16FT, TD | LOADER, CONVEYOR BELT & ACCESSORIES, SCREENING PLANT, W/ 6' X 16' VIBRATORY SLOPE TRIPLE DECK SCREENS/36"X 16.5' UNDER SCREEN CONVEYOR/ 7 CY HOPPER/ & FEEDER | 25 HP | E | | $121,070 | 28.16 | 6.42 | 9.47 | 1.68 | 1.32 | 138 |
| | | | **KOLMAN / ATHEY DIV.** | | | | | | | | | | |
| | L30KL003 | | LOADER, CONVEYOR BELT & ACCESSORIES, BELT FEEDER DOZER TRAP | 3 HP | D-off | | $11,266 | 2.63 | 0.61 | 0.90 | 0.16 | 0.15 | 33 |
| | L30KL013 | | LOADER, CONVEYOR BELT & ACCESSORIES, WING WALLS STATIONARY | | | | $1,680 | 0.35 | 0.09 | 0.13 | 0.02 | 0.00 | 9 |
| | L30KL018 | XHD | LOADER, CONVEYOR BELT & ACCESSORIES, JACKLEG | | | | $1,292 | 0.28 | 0.07 | 0.10 | 0.02 | 0.00 | 7 |
| | | | **MORGEN MANUFACTURING CO.** | | | | | | | | | | |
| | L30MO001 | 303-750 | LOADER, CONVEYOR BELT & ACCESSORIES, CONVEYOR, 48', MOBILE, CONCRETE & AGGREGATE 16" WIDE | 30 HP | G | | $37,664 | 12.44 | 1.99 | 2.94 | 0.52 | 3.22 | 57 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L30* | | | *MORGEN MANUFACTURING CO. (continued)* | | | | | | | | | | |
| | L30MO002 | 303-775 | LOADER, CONVEYOR BELT & ACCESSORIES, CONVEYOR, 56', MOBILE, CONCRETE & AGGREGATE 16" WIDE | 30 HP | G | | $39,376 | 12.81 | 2.09 | 3.07 | 0.55 | 3.22 | 62 |
| | | | **METSO MINERALS** | | | | | | | | | | |
| | L30RA001 | CV50D | LOADER, CONVEYOR BELT & ACCESSORIES, GRIZZLY SINGLE SCREEN, 40 CY/HR TRAILER MTD | 25 HP | D-off | | $52,701 | 13.00 | 2.80 | 4.13 | 0.73 | 1.23 | 130 |
| | | | **TELSMITH INC.** | | | | | | | | | | |
| | L30TS001 | PTC 24IN X 50FT | LOADER, CONVEYOR BELT & ACCESSORIES, CONVEYOR, TRUSS FRAME, 24"WX 50'L, WHEEL MTD, 750 TPH | 10 HP | E | | $37,128 | 8.89 | 1.94 | 2.84 | 0.52 | 0.53 | 10 |
| L35 | LOADERS, FRONT END, CRAWLER TYPE | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LOADERS, FRONT END, CRAWLER TYPE** | | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | | |
| | L35CA011 | 933-C | LOADER, FRONT END, CRAWLER, 1.30 CY BUCKET | 70 HP | D-off | | $79,853 | 23.62 | 4.31 | 6.39 | 1.11 | 3.75 | 187 |
| | L35CA012 | 933-C LGP HYSTAT | LOADER, FRONT END, CRAWLER, 1.30 CY BUCKET - LGP, HYSTAT | 70 HP | D-off | | $96,273 | 27.34 | 5.19 | 7.70 | 1.34 | 3.75 | 199 |
| | L35CA013 | 939-C | LOADER, FRONT END, CRAWLER, 1.50 CY BUCKET | 90 HP | D-off | | $99,821 | 29.73 | 5.38 | 7.99 | 1.38 | 4.83 | 209 |
| | L35CA005 | 953-C | LOADER, FRONT END, CRAWLER, 2.25 CY BUCKET | 121 HP | D-off | | $174,460 | 49.08 | 9.40 | 13.96 | 2.42 | 6.49 | 319 |
| | L35CA014 | 963-C | LOADER, FRONT END, CRAWLER, 3.20 CY BUCKET | 160 HP | D-off | | $223,397 | 63.23 | 12.04 | 17.87 | 3.10 | 8.58 | 433 |
| | L35CA007 | 973 | LOADER, FRONT END, CRAWLER, 3.70 CY BUCKET | 208 HP | D-off | | $338,628 | 93.15 | 18.25 | 27.09 | 4.70 | 11.16 | 601 |
| | | | **Komatsu America International Company** | | | | | | | | | | |
| | L35KM006 | D75S-5 | LOADER, FRONT END, CRAWLER, 3.30 CY BUCKET, PS | 200 HP | D-off | | $377,022 | 101.21 | 20.31 | 30.16 | 5.23 | 10.73 | 483 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L40 | LOADERS, FRONT END, WHEEL TYPE | | | | | | | | | | | | |
| | SUBCATEGORY 0.11 | | ARTICULATED, 0 THRU 225 HP | | | | | | | | | | |
| | | | CATERPILLAR INC. ( MACHINE DIVISION) | | | | | | | | | | |
| | L40CA032 | 902 | LOADER, FRONT END, WHEEL, 0.80 CY BUCKET, GENERAL PURPOSE | 45 HP | D-off | | $67,323 | 16.41 | 3.62 | 5.29 | 0.97 | 2.21 | 96 |
| | L40CA033 | 906 | LOADER, FRONT END, WHEEL, 1.00 CY BUCKET, GENERAL PURPOSE | 60 HP | D-off | | $74,219 | 18.82 | 3.99 | 5.84 | 1.07 | 2.95 | 111 |
| | L40CA034 | 908 | LOADER, FRONT END, WHEEL, 1.30 CY BUCKET, GENERAL PURPOSE | 82 HP | D-off | | $81,627 | 23.99 | 4.31 | 6.26 | 1.18 | 4.03 | 133 |
| | L40CA019 | 914G | LOADER, FRONT END, WHEEL, 1.70 CY BUCKET, ARTICULATED, 4X4 | 89 HP | D-off | | $92,962 | 25.18 | 5.00 | 7.32 | 1.34 | 4.38 | 157 |
| | L40CA022 | 924GZ | LOADER, FRONT END, WHEEL, 2.20 CY BUCKET, ARTICULATED, 4X4 | 112 HP | D-off | | $107,314 | 29.70 | 5.78 | 8.46 | 1.55 | 5.51 | 218 |
| | L40CA015 | 928G | LOADER, FRONT END, WHEEL, 2.50 CY BUCKET, ARTICULATED, 4X4 | 125 HP | D-off | | $127,926 | 34.51 | 6.91 | 10.13 | 1.84 | 6.15 | 257 |
| | L40CA023 | 938G | LOADER, FRONT END, WHEEL, 3.25 CY BUCKET, ARTICULATED, 4X4 | 160 HP | D-off | | $157,257 | 44.06 | 8.39 | 12.24 | 2.27 | 7.87 | 289 |
| | L40CA024 | 950G | LOADER, FRONT END, WHEEL, 3.50 CY BUCKET, ARTICULATED, 4X4 | 180 HP | D-off | | $206,842 | 55.91 | 11.01 | 16.05 | 2.98 | 8.85 | 392 |
| | L40CA025 | 962G | LOADER, FRONT END, WHEEL, 4.00 CY BUCKET, ARTICULATED, 4X4 | 200 HP | D-off | | $215,210 | 58.97 | 11.47 | 16.73 | 3.10 | 9.83 | 405 |
| | | | CASE CORPORATION | | | | | | | | | | |
| | L40CS009 | 621D | LOADER, FRONT END, WHEEL, 2.60 CY BUCKET, 4X4, ARTICULATED | 134 HP | D-off | | $135,279 | 37.63 | 7.21 | 10.52 | 1.95 | 6.59 | 256 |
| | L40CS010 | 721C | LOADER, FRONT END, WHEEL, 2.75 CY BUCKET, 4X4, ARTICULATED | 152 HP | D-off | | $159,522 | 43.50 | 8.55 | 12.49 | 2.30 | 7.47 | 296 |
| | L40CS011 | 821C | LOADER, FRONT END, WHEEL, 3.67 CY BUCKET, 4X4, ARTICULATED | 187 HP | D-off | | $212,572 | 57.31 | 11.34 | 16.55 | 3.06 | 9.19 | 379 |
| | | | Komatsu America International Company | | | | | | | | | | |
| | L40KM014 | WA65-3 | LOADER, FRONT END, WHEEL, 0.92 CY BUCKET, GENERAL PURPOSE | 50 HP | D-off | | $60,048 | 15.57 | 3.20 | 4.65 | 0.87 | 2.46 | 93 |
| | L40KM015 | WA95-3 | LOADER, FRONT END, WHEEL, 1.40 CY BUCKET, GENERAL PURPOSE | 75 HP | D-off | | $74,106 | 20.24 | 3.93 | 5.72 | 1.07 | 3.69 | 128 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L40* | | | *Komatsu America International Company (continued)* | | | | | | | | | |
| | L40KM001 | WA120-3L3 | LOADER, FRONT END, WHEEL, 1.85 CY BUCKET, ARTICULATED, 4X4 | 105 HP D-off | | $116,969 | 31.14 | 6.30 | 9.21 | 1.69 | 5.16 | 181 |
| | L40KM002 | WA180-3L | LOADER, FRONT END, WHEEL, 2.25 CY BUCKET, ARTICULATED, 4X4 | 118 HP D-off | | $135,197 | 35.51 | 7.30 | 10.69 | 1.95 | 5.80 | 206 |
| | L40KM003 | WA250-3MC | LOADER, FRONT END, WHEEL, 2.50 CY BUCKET, ARTICULATED, 4X4 | 135 HP D-off | | $163,352 | 42.04 | 8.84 | 12.97 | 2.35 | 6.64 | 248 |
| | L40KM004 | WA320-3MC | LOADER, FRONT END, WHEEL, 3.50 CY BUCKET, ARTICULATED, 4X4 | 173 HP D-off | | $192,630 | 51.63 | 10.34 | 15.11 | 2.78 | 8.51 | 312 |
| | L40KM005 | WA380-3MC | LOADER, FRONT END, WHEEL, 4.25 CY BUCKET, ARTICULATED, 4X4 | 205 HP D-off | | $248,429 | 65.89 | 13.26 | 19.36 | 3.58 | 10.08 | 393 |
| | **SUBCATEGORY 0.12** | | **ARTICULATED, OVER 225 HP** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | L40CA026 | 966G | LOADER, FRONT END, WHEEL, 4.75 CY BUCKET, ARTICULATED, 4X4 | 233 HP D-off | | $288,745 | 60.66 | 12.12 | 16.43 | 3.90 | 11.46 | 497 |
| | L40CA027 | 972G | LOADER, FRONT END, WHEEL, 5.25 CY BUCKET, ARTICULATED, 4X4 | 265 HP D-off | | $317,820 | 65.79 | 13.43 | 18.26 | 4.30 | 13.03 | 550 |
| | L40CA007 | 980G | LOADER, FRONT END, WHEEL, 6.00 CY BUCKET, ARTICULATED, 4X4 | 300 HP D-off | | $397,759 | 81.68 | 16.72 | 22.68 | 5.38 | 14.75 | 645 |
| | L40CA008 | 988F SERIES II | LOADER, FRONT END, WHEEL, 9.00 CY BUCKET, ARTICULATED, 4X4 | 430 HP D-off | | $581,614 | 115.21 | 24.32 | 32.91 | 7.86 | 21.14 | 968 |
| | L40CA018 | 990 SERIES II | LOADER, FRONT END, WHEEL, 11.00 CY BUCKET, ARTICULATED, 4X4 | 625 HP D-off | | $971,523 | 180.10 | 40.52 | 54.77 | 13.13 | 30.73 | 1,628 |
| | L40CA009 | 992-D | LOADER, FRONT END, WHEEL, 15.00 CY BUCKET, ARTICULATED, 4X4 | 800 HP D-off | | $1,348,865 | 244.39 | 56.50 | 76.53 | 18.23 | 39.34 | 2,023 |
| | | | **Komatsu America International Company** | | | | | | | | | |
| | L40KM006 | WA420-3MC | LOADER, FRONT END, WHEEL, 4.80 CY BUCKET, ARTICULATED, 4X4 | 230 HP D-off | | $276,018 | 57.49 | 11.64 | 15.82 | 3.73 | 11.31 | 428 |
| | L40KM007 | WA450-3MC | LOADER, FRONT END, WHEEL, 5.50 CY BUCKET, ARTICULATED, 4X4 | 271 HP D-off | | $328,861 | 66.92 | 13.77 | 18.63 | 4.45 | 13.33 | 502 |
| | L40KM008 | WA500-3L | LOADER, FRONT END, WHEEL, 6.50 CY BUCKET, ARTICULATED, 4X4 | 335 HP D-off | | $453,089 | 88.99 | 19.02 | 25.80 | 6.12 | 16.47 | 663 |
| | L40KM009 | WA600-3L | LOADER, FRONT END, WHEEL, 8.00 CY BUCKET, ARTICULATED, 4X4 | 490 HP D-off | | $602,136 | 118.99 | 25.02 | 33.76 | 8.14 | 24.09 | 997 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L40* | | | *Komatsu America International Company (continued)* | | | | | | | | | |
| | L40KM010 | WA700-3L | LOADER, FRONT END, WHEEL, 11.10 CY BUCKET, ARTICULATED, 4X4 | 684 HP D-off | | $1,170,437 | 210.17 | 49.28 | 66.91 | 15.82 | 33.63 | 1,511 |
| | L40KM011 | WA800-3LC | LOADER, FRONT END, WHEEL, 13.10 CY BUCKET, ARTICULATED, 4X4 | 853 HP D-off | | $1,508,485 | 269.89 | 63.31 | 85.83 | 20.39 | 41.94 | 2,192 |
| | **SUBCATEGORY 0.20** | | **SKID STEER** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | L40CA028 | 216 | LOADER, FRONT END, WHEEL, SKID-STEER, 13.0 CF, 23 CWT, 60" BUCKET, 4X4 | 49 HP D-off | | $23,437 | 9.66 | 1.46 | 2.26 | 0.33 | 2.63 | 55 |
| | L40CA029 | 226 | LOADER, FRONT END, WHEEL, SKID-STEER, 13.0 CF, 25 CWT, 60" BUCKET, 4X4 | 54 HP D-off | | $24,519 | 10.33 | 1.54 | 2.37 | 0.35 | 2.90 | 57 |
| | L40CA030 | 236 | LOADER, FRONT END, WHEEL, SKID-STEER, 14.0 CF, 40 CWT, 66" BUCKET, 4X4 | 59 HP D-off | | $29,620 | 11.99 | 1.85 | 2.85 | 0.42 | 3.16 | 71 |
| | L40CA031 | 246 | LOADER, FRONT END, WHEEL, SKID-STEER, 15.4 CF, 40 CWT, 72" BUCKET, 4X4 | 74 HP D-off | | $31,389 | 13.64 | 1.96 | 3.02 | 0.45 | 3.97 | 74 |
| | | | **MELROE COMPANY/BOBCAT** | | | | | | | | | |
| | L40ME016 | 453 | LOADER, FRONT END, WHEEL, SKID-STEER, 6.5 CF, 44" BUCKET | 16 HP D-off | | $11,711 | 4.09 | 0.74 | 1.14 | 0.17 | 0.84 | 25 |
| | L40ME017 | 553 | LOADER, FRONT END, WHEEL, SKID-STEER, 6.7 CF, 48" BUCKET | 23 HP D-off | | $15,441 | 5.59 | 0.96 | 1.48 | 0.22 | 1.21 | 37 |
| | L40ME012 | 753 | LOADER, FRONT END, WHEEL, SKID-STEER, 13.0 CF, 1,300 LBS, 60" BUCKET | 44 HP D-off | | $19,893 | 8.31 | 1.25 | 1.94 | 0.28 | 2.33 | 48 |
| | L40ME018 | 751 | LOADER, FRONT END, WHEEL, SKID-STEER, 14.3 CF, 60" BUCKET | 38 HP D-off | | $17,384 | 7.29 | 1.10 | 1.69 | 0.25 | 2.04 | 48 |
| | L40ME019 | 863 | LOADER, FRONT END, WHEEL, SKID-STEER, 16.3 CF, 66" BUCKET | 73 HP D-off | | $27,473 | 12.63 | 1.71 | 2.63 | 0.39 | 3.92 | 70 |
| | L40ME020 | 963 | LOADER, FRONT END, WHEEL, SKID-STEER, 23.3 CF, 3,000 LBS, 78" BUCKET | 105 HP D-off | | $46,458 | 20.03 | 2.84 | 4.36 | 0.66 | 5.63 | 99 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.31** | | **TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | L40CA013 | IT14G | LOADER, WHEEL, INTEGRATED TOOL CARRIER, 1.75 CY LOADER; 6,303 LB @ 12.17' HIGH, FORK LIFT, OR 1,841 LB @ 22.42' HIGH, MATERIAL HANDLING ARM | 90 HP D-off | | $105,769 | 28.17 | 5.38 | 7.73 | 1.51 | 4.43 | 172 |
| | L40CA012 | IT28G | LOADER, WHEEL, INTEGRATED TOOL CARRIER, 2.50 CY LOADER; 10,640 LB @ 12.58' HIGH FORK LIFT, OR 3,195 LB @ 23.25' HIGH, MATERIAL HANDLING ARM | 125 HP D-off | | $141,199 | 37.70 | 7.21 | 10.37 | 2.02 | 6.15 | 235 |
| | L40CA014 | IT62G | LOADER, WHEEL, INTEGRATED TOOL CARRIER, 4.25 CY LOADER; 13,670 LB @ 12.42' HIGH, FORK LIFT, OR 5,040 LB @ 22.67' HIGH, MATERIAL HANDLING ARM | 200 HP D-off | | $242,009 | 62.94 | 12.40 | 17.87 | 3.46 | 9.83 | 404 |
| | | | **Komatsu America International Company** | | | | | | | | | |
| | L40KM012 | WA180-3 PTC | LOADER, WHEEL, INTEGRATED TOOL CARRIER, 2.25 CY LOADER; 4,966 LB @ 12.00' HIGH, FORK LIFT; OR 2,306 LB @ 18.50' HIGH, MATERIAL HANDLING ARM | 118 HP D-off | | $139,588 | 37.04 | 7.11 | 10.22 | 2.00 | 5.80 | 172 |
| | L40KM013 | WA250-3 PTC | LOADER, WHEEL, INTEGRATED TOOL CARRIER, 2.50 CY LOADER; 6,068 LB @ 12.25' HIGH, FORK LIFT; OR 6,669 LB @ 23.17' HIGH, MATERIAL HANDLING ARM | 135 HP D-off | | $163,003 | 44.16 | 8.20 | 11.73 | 2.33 | 6.64 | 235 |
| **L50** | **LOADERS / BACKHOE, WHEEL TYPE** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LOADERS / BACKHOE, WHEEL TYPE** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | L50CA001 | 416C | LOADER / BACKHOE, WHEEL, 1.00 CY FRONT END BUCKET, 24" DIP, 4.5 CF, 14.5' DIGGING DEPTH, 4X2 | 80 HP D-off | | $75,727 | 18.67 | 3.85 | 5.54 | 1.08 | 3.10 | 145 |
| | L50CA002 | 426C | LOADER / BACKHOE, WHEEL, 1.25 CY FRONT END BUCKET, 24" DIP, 7.0 CF, 15.5' DIGGING DEPTH, 4X2 | 85 HP D-off | | $84,754 | 20.61 | 4.32 | 6.21 | 1.21 | 3.29 | 159 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | ENGINE HORSEPOWER - FUEL TYPE CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L50* | | | *CATERPILLAR INC. ( MACHINE DIVISION) (continued)* | | | | | | | | | |
| | L50CA003 | 436C | LOADER / BACKHOE, WHEEL, 1.38 CY FRONT END BUCKET, 30" DIP, 9.5 CF, 16.2' DIGGING DEPTH, 4X2 | 93 HP D-off | | $91,252 | 22.29 | 4.66 | 6.69 | 1.31 | 3.60 | 160 |
| | L50CA004 | 446B | LOADER / BACKHOE, WHEEL, 1.50 CY FRONT END BUCKET, 36" DIP, 19 CF, 17.1' DIGGING DEPTH, 4X2 | 110 HP D-off | | $124,132 | 29.47 | 6.31 | 9.06 | 1.78 | 4.26 | 193 |
| | | | **CASE CORPORATION** | | | | | | | | | |
| | L50CS004 | 580L SERIES 2 | LOADER / BACKHOE, WHEEL, 1.00 CY FRONT END BUCKET, 24" DIP, 4X4, EXTENDAHOE | 73 HP D-off | | $84,402 | 19.88 | 4.31 | 6.19 | 1.21 | 2.83 | 125 |
| | L50CS005 | 580 SUPER M | LOADER / BACKHOE, WHEEL, 1.00 CY FRONT END BUCKET, 24" DIP, 4X4 | 90 HP D-off | | $92,012 | 22.28 | 4.70 | 6.75 | 1.32 | 3.49 | 163 |
| | L50CS006 | 590 SUPER M | LOADER / BACKHOE, WHEEL, 1.25 CY FRONT END BUCKET, 24" DIP, 4X4, EXTENDAHOE | 99 HP D-off | | $105,134 | 25.36 | 5.30 | 7.60 | 1.50 | 3.84 | 169 |
| | | | **JCB INC.** | | | | | | | | | |
| | L50JC001 | 210S SERIES 2 | LOADER / BACKHOE, WHEEL, 0.80 CY FRONT END BUCKET, 24" DIPPER, 4WD | 60 HP D-off | | $57,922 | 14.50 | 2.89 | 4.12 | 0.83 | 2.32 | 106 |
| | L50JC002 | 214S SERIES 4 | LOADER / BACKHOE, WHEEL, 1.25 CY FRONT END BUCKET, 24" DIPPER, 2WD | 72 HP D-off | | $54,868 | 14.47 | 2.73 | 3.88 | 0.79 | 2.79 | 132 |
| | L50JC003 | 214S SERIES 3 | LOADER / BACKHOE, WHEEL, 1.40 CY FRONT END BUCKET, 24" DIPPER, 4WD | 92 HP D-off | | $78,974 | 20.13 | 3.98 | 5.70 | 1.13 | 3.56 | 164 |
| | L50JC005 | 215S SERIES 3 | LOADER / BACKHOE, WHEEL, 1.40 CY FRONT END BUCKET, 24" DIPPER, 4WD | 92 HP D-off | | $86,752 | 21.58 | 4.39 | 6.29 | 1.24 | 3.56 | 176 |
| | L50JC007 | 217S SERIES 3 | LOADER / BACKHOE, WHEEL, 1.60 CY FRONT END BUCKET, 24" DIPPER, 4WD | 92 HP D-off | | $111,089 | 26.08 | 5.65 | 8.12 | 1.59 | 3.56 | 178 |
| **L55** | **LOADER / BACKHOE, ATTACHMENTS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LOADER / BACKHOE, ATTACHMENTS** | | | | | | | | | |
| | | | **KENT DEMOLITION TOOLS** | | | | | | | | | |
| | L55KN001 | KB-555 | LOADER / BACKHOE, ATTACHMENTS, AIR RAM W/NARROW CHISEL, 2.5" DIA, 30" LONG (ADD 175 CFM COMPRESSOR & LDR/BH) | 175 CFM A | | $6,836 | 2.91 | 0.56 | 0.91 | 0.10 | 0.00 | 6 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L55* | | | *KENT DEMOLITION TOOLS (continued)* | | | | | | | | | |
| | L55KN002 | KB-999 | LOADER / BACKHOE, ATTACHMENTS, AIR RAM W/NARROW CHISEL, 3.5" DIA, 36" LONG (ADD 250 CFM COMPRESSOR & LDR/BH) | 250 CFM A | | $13,989 | 5.97 | 1.15 | 1.87 | 0.21 | 0.00 | 10 |
| | L55KN003 | KB-2600 | LOADER / BACKHOE, ATTACHMENTS, AIR RAM W/NARROW CHISEL, 5.25" DIA, 48" LONG (ADD 750 CFM COMPRESSOR & LDR/BH) | 750 CFM A | | $28,511 | 12.00 | 2.32 | 3.80 | 0.42 | 0.00 | 22 |
| **L60** | **LOG SKIDDERS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LOG SKIDDERS** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | L60CA014 | 517 GRAPPLE | LOG SKIDDER, 8 SF GRAPPLE, CABLE 69,200 # LINE-PULL & WINCH, CRAWLER | 120 HP D-off | | $232,612 | 50.89 | 13.01 | 19.77 | 3.12 | 5.90 | 364 |
| | L60CA012 | 515 | LOG SKIDDER, 8 SF GRAPPLE, CABLE 30,000# LINE-PULL & WINCH, WHEEL, 4X2 | 140 HP D-off | | $147,706 | 37.42 | 8.03 | 12.09 | 1.98 | 6.88 | 262 |
| | L60CA013 | 525 | LOG SKIDDER, 11 SF GRAPPLE, CABLE 43,000# LINE-PULL & WINCH, WHEEL, 4X2 | 160 HP D-off | | $176,955 | 44.16 | 9.67 | 14.58 | 2.38 | 7.87 | 284 |
| | L60CA010 | 527 CABLE | LOG SKIDDER, CABLE, 69,200 # LINE-PULL AND WINCH, BLADE, CRAWLER | 150 HP D-off | | $262,463 | 58.40 | 14.69 | 22.31 | 3.53 | 7.38 | 404 |
| | L60CA011 | 527 GRAPPLE | LOG SKIDDER, 10 SF GRAPPLE, CABLE 69,200 # LINE-PULL & WINCH, CRAWLER | 150 HP D-off | | $289,803 | 63.44 | 16.21 | 24.63 | 3.89 | 7.38 | 417 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | L60JD001 | 540G - SKIDDER | LOG SKIDDER, CABLE, 40525# LINE-PULL WINCH AND BLADE, WHEEL, 4X4 | 121 HP D-off | | $123,946 | 32.29 | 6.69 | 10.05 | 1.66 | 5.95 | 217 |
| | L60JD003 | 548G GRAPPLE | LOG SKIDDER, 8.0 SF GRAPPLE WITH BLADE, WHEEL, 4X4 | 121 HP D-off | | $126,817 | 32.82 | 6.85 | 10.29 | 1.70 | 5.95 | 251 |
| | L60JD004 | 648G GRAPPLE | LOG SKIDDER, 10.4 SF GRAPPLE WITH BLADE, WHEEL, 4X4 | 157 HP D-off | | $155,855 | 41.94 | 8.23 | 12.28 | 2.09 | 7.72 | 288 |
| | L60JD002 | 640G SKIDDER | LOG SKIDDER, CABLE, 48767# LINE-PULL WINCH AND BLADE, WHEEL, 4X4 | 157 HP D-off | | $182,571 | 45.50 | 9.97 | 15.03 | 2.45 | 7.72 | 239 |
| | L60JD006 | 643G | LOG SKIDDER, LOG FELLER/BUNCHER, 18" DIA TREE SAW CUTTER, WHEEL, 4X4 | 170 HP D-off | | $206,904 | 51.55 | 11.21 | 16.86 | 2.78 | 8.36 | 320 |
| | L60JD008 | 653G | LOG SKIDDER, LOG FELLER/BUNCHER, 28" DIA TREE SAW CUTTER, CRAWLER | 170 HP D-off | | $292,603 | 65.28 | 16.37 | 24.87 | 3.93 | 8.36 | 410 |
| | L60JD007 | 843G | LOG SKIDDER, LOG FELLER/BUNCHER, 20" DIA TREE SAW CUTTER, WHEEL, 4X4 | 200 HP D-off | | $220,046 | 55.95 | 11.95 | 17.97 | 2.96 | 9.83 | 323 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M10 | MARINE EQUIPMENT (NON DREDGING) | | | | | | | | | | | |
| | **SUBCATEGORY 0.41** | | **WORK FLOATS (NON-DREDGING)** | | | | | | | | | |
| | | | **MARINE INLAND FABRICATORS** | | | | | | | | | |
| | M10MZ001 | | MARINE EQUIPMENT, WORK FLOAT, MEDIUM DUTY, 20' X 8' X 2' | | | $5,763 | 1.54 | 0.51 | 0.86 | 0.08 | 0.00 | 43 |
| | M10MZ003 | | MARINE EQUIPMENT, WORK FLOAT, MEDIUM DUTY, 20' X 10' X 3' | | | $7,571 | 2.04 | 0.68 | 1.14 | 0.11 | 0.00 | 82 |
| | **SUBCATEGORY 0.42** | | **WORK BARGES (SECTIONAL, NON-DREDGING)** | | | | | | | | | |
| | | | **MARINE INLAND FABRICATORS** | | | | | | | | | |
| | M10MZ005 | RAKE | MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MEDIUM DUTY', W/ONE BUCKHEAD & SPUDS, 40'X12'X4 | | | $21,142 | 1.41 | 0.57 | 0.63 | 0.25 | 0.00 | 193 |
| | M10MZ007 | | MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MEDIUM DUTY, 50'X14'X4' | | | $26,676 | 1.79 | 0.72 | 0.80 | 0.32 | 0.00 | 273 |
| | M10MZ008 | | MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MEDIUM DUTY, 55'X14'X5' | | | $33,460 | 2.24 | 0.90 | 1.00 | 0.40 | 0.00 | 319 |
| | M10MZ009 | | MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MEDIUM DUTY, 60'X16'X5' | | | $39,979 | 2.68 | 1.08 | 1.20 | 0.48 | 0.00 | 388 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | M10XX001 | | MARINE EQUIPMENT, WORK BARGE, SECTIONAL, BOW & STERN SECTIONS | | | $5,138 | 0.34 | 0.14 | 0.15 | 0.06 | 0.00 | 1 |
| | M10XX002 | | MARINE EQUIPMENT, WORK BARGE, SECTIONAL, LOADING RAMPS | | | $15,975 | 1.07 | 0.43 | 0.48 | 0.19 | 0.00 | 1 |
| | M10XX003 | | MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MID-SECTION, 20' X 10', 5 FT DEPTH | | | $19,296 | 1.29 | 0.52 | 0.58 | 0.23 | 0.00 | 1 |
| | M10XX004 | | MARINE EQUIPMENT, WORK BARGE, SECTIONAL, MID-SECTION, 40' X 10', 5 FT DEPTH | | | $31,254 | 2.09 | 0.84 | 0.94 | 0.37 | 0.00 | 1 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.45** | | **FLAT-DECK OR CARGO BARGE (NON-DREDGING)** | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | M10XX005 | | MARINE EQUIPMENT, FLAT-DECK CARGO BARGE, 120 FT LENGTH, 30 FT BEAM, 7.25 FT DEPTH, 400 TON | | | $134,927 | 4.04 | 2.21 | 1.42 | 1.50 | 0.00 | 1 |
| | M10XX006 | | MARINE EQUIPMENT, FLAT-DECK CARGO BARGE, 120 FT LENGTH, 45 FT BEAM, 7.00 FT DEPTH, 800 TON | | | $189,911 | 5.70 | 3.12 | 2.00 | 2.12 | 0.00 | 1 |
| | M10XX007 | | MARINE EQUIPMENT, FLAT-DECK CARGO BARGE, 140 FT LENGTH, 45 FT BEAM, 7.00 FT DEPTH, 900 TON | | | $240,354 | 7.22 | 3.95 | 2.54 | 2.68 | 0.00 | 1 |
| | M10XX008 | | MARINE EQUIPMENT, FLAT-DECK CARGO BARGE, 150 FT LENGTH, 45 FT BEAM, 9.00 FT DEPTH, 1,100 TON | | | $335,257 | 10.06 | 5.50 | 3.54 | 3.73 | 0.00 | 1 |
| | **SUBCATEGORY 0.48** | | **ALL OTHER BARGES (NON-DREDGING)** | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | M10XX016 | OPEN 195 | MARINE EQUIPMENT, ALL OTHER BARGES, HOPPER, 195 FT LENGTH, 35 FT BEAM, 12 FT DEPTH, 1,400 TON | | | $201,606 | 14.57 | 5.51 | 6.38 | 2.32 | 0.00 | 1 |
| | M10XX017 | OPEN 200 | MARINE EQUIPMENT, ALL OTHER BARGES, HOPPER, 200 FT LENGTH, 35 FT BEAM, 12 FT DEPTH, 1,600 TON | | | $213,155 | 15.41 | 5.83 | 6.75 | 2.45 | 0.00 | 1 |
| | M10XX018 | CLOSED 195 | MARINE EQUIPMENT, ALL OTHER BARGES, HOPPER, 195 FT LENGTH, 35 FT BEAM, 12 FT DEPTH, 1,400 TON | | | $265,502 | 19.19 | 7.26 | 8.41 | 3.05 | 0.00 | 1 |
| | M10XX019 | CLOSED 200 | MARINE EQUIPMENT, ALL OTHER BARGES, HOPPER, 200 FT LENGTH, 35 FT BEAM, 12 FT DEPTH, 1,600 TON | | | $271,313 | 19.61 | 7.42 | 8.59 | 3.12 | 0.00 | 1 |
| | **SUBCATEGORY 0.51** | | **BOATS & LAUNCHES, 0 THRU 250 HP** | | | | | | | | | |
| | | | **MARINE INLAND FABRICATORS** | | | | | | | | | |
| | M10MZ010 | COLT | MARINE EQUIPMENT, BOATS & LAUNCHES, TRUCKABLE WORKBOAT W/PILOT HOUSE & PUSH KNEES, 20' 3" X 8' X 3' | 140 HP D-off | | $34,846 | 14.32 | 1.38 | 1.85 | 0.45 | 6.88 | 95 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *M10* | | | *MARINE INLAND FABRICATORS (continued)* | | | | | | | | | | |
| | M10MZ011 | MUSTANG | MARINE EQUIPMENT, BOATS & LAUNCHES, TRUCKABLE WORKBOAT W/PILOT HOUSE & PUSH KNEES, 25' 3" X 10' X 3'6" | 210 HP | D-off | | $45,313 | 20.67 | 1.79 | 2.41 | 0.58 | 10.33 | 190 |
| | | | **SEAARK MARINE** | | | | | | | | | | |
| | M10SM005 | 18' | MARINE EQUIPMENT, BOATS & LAUNCHES, 18' RIVER RUNNER, VEE HULL, NO CABIN, CAP 1,350 LBS, OUTBOARD ENGINE | 115 HP | G | | $19,941 | 19.63 | 0.79 | 1.06 | 0.26 | 12.33 | 15 |
| | M10SM008 | 19' | MARINE EQUIPMENT, BOATS & LAUNCHES, 19' ROUSTABOUT, TRI HULL, NO CABIN, CAP 2,600 LBS, OUTBOARD ENGINE | 200 HP | G | | $37,132 | 34.44 | 1.47 | 1.97 | 0.48 | 21.45 | 17 |
| | M10SM001 | 17' | MARINE EQUIPMENT, BOATS & LAUNCHES, 17' LITTLE GIANT, W/CABIN TRI-HULL, CAP 2,000 LBS, OUTBOARD | 150 HP | G | | $44,201 | 27.81 | 1.75 | 2.35 | 0.57 | 16.09 | 18 |
| | M10SM003 | 21' | MARINE EQUIPMENT, BOATS & LAUNCHES, 21' LITTLE GIANT, W/CABIN TRI-HULL, CAP 2,800 LBS, OUTBOARD | 200 HP | G | | $49,404 | 35.92 | 1.95 | 2.62 | 0.64 | 21.45 | 24 |
| | M10SM004 | 23' | MARINE EQUIPMENT, BOATS & LAUNCHES, 23' LITTLE GIANT, W/CABIN TRI-HULL, CAP 3,400 LBS, STERN DRIVE | 250 HP | G | | $54,025 | 43.97 | 2.14 | 2.87 | 0.70 | 26.81 | 28 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | M10XX010 | 12 | MARINE EQUIPMENT, BOATS & LAUNCHES, 12' TENDER, 7' BEAM, INBOARD ENGINE, 75 HP | 75 HP | D-off | | $40,049 | 10.27 | 1.59 | 2.13 | 0.52 | 3.69 | 1 |
| | M10XX009 | 13 | MARINE EQUIPMENT, BOATS & LAUNCHES, 13' RUNABOUT, 5' BEAM, OUTBOARD ENGINE, 50 HP | 50 HP | G | | $11,919 | 8.92 | 0.47 | 0.63 | 0.15 | 5.36 | 13 |
| | M10XX011 | 14 | MARINE EQUIPMENT, BOATS & LAUNCHES, 14' TENDER, 7' BEAM, INBOARD ENGINE, 100 HP | 100 HP | D-off | | $45,954 | 12.78 | 1.81 | 2.44 | 0.59 | 4.92 | 13 |
| | M10XX012 | 100 | MARINE EQUIPMENT, BOATS & LAUNCHES, 16 FT, SHALLOW DRAFT, 100 HP, INLAND TUG | 100 HP | D-off | | $47,370 | 12.96 | 1.87 | 2.52 | 0.61 | 4.92 | 13 |
| | M10XX013 | 115 | MARINE EQUIPMENT, BOATS & LAUNCHES, 22 FT, SHALLOW DRAFT, 115 HP, INLAND TUG | 115 HP | D-off | | $61,366 | 15.71 | 2.42 | 3.26 | 0.79 | 5.65 | 23 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *M10* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | |
| | M10XX014 | 175 | MARINE EQUIPMENT, BOATS & LAUNCHES, 18 FT, W/STEERING NOZZLE, 175 HP, INLAND TUG | 175 HP D-off | | $84,266 | 22.82 | 3.33 | 4.48 | 1.09 | 8.60 | 60 |
| | M10XX015 | 250 | MARINE EQUIPMENT, BOATS & LAUNCHES, 26 FT, W/STEERING NOZZLE, 250 HP, INLAND TUG | 250 HP D-off | | $105,639 | 30.82 | 4.17 | 5.61 | 1.36 | 12.29 | 83 |
| | **SUBCATEGORY 0.53** | | **BOATS & LAUNCHES, 251 THRU 500 HP** | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | M10XX021 | 380 | MARINE EQUIPMENT, BOATS & LAUNCHES, 40 FT, STANDARD RUDDER, 380 HP, INLAND TUG | 380 HP D-off | | $280,832 | 59.92 | 10.22 | 13.26 | 3.59 | 18.68 | 100 |
| | M10XX022 | 435 | MARINE EQUIPMENT, BOATS & LAUNCHES, 45 FT LENGTH, 16 FT BEAM, 5'0" DRAFT, 435 HP, PUSH BOAT | 435 HP D-off | | $319,653 | 68.39 | 11.64 | 15.09 | 4.09 | 21.39 | 100 |
| | M10XX023 | 400 | MARINE EQUIPMENT, BOATS & LAUNCHES, 48 FT LENGTH, 20 FT BEAM, 6'6" DRAFT, 435 HP, PUSH BOAT | 400 HP D-off | | $428,351 | 78.42 | 15.60 | 20.23 | 5.48 | 19.67 | 100 |
| | M10XX024 | 435 | MARINE EQUIPMENT, BOATS & LAUNCHES, 58 FT LENGTH, 21 FT BEAM, 6'0" DRAFT, 435 HP, PUSH BOAT | 435 HP D-off | | $610,824 | 102.02 | 22.23 | 28.84 | 7.81 | 21.39 | 130 |
| | **SUBCATEGORY 0.54** | | **TUGS, 501 THRU 1,000 HP** | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | M10XX026 | 700 | MARINE EQUIPMENT, TUGS, 51 FT, TWIN SCREW, 700 HP, INLAND TUG | 700 HP D-off | | $395,561 | 71.98 | 9.09 | 8.41 | 4.88 | 32.33 | 190 |
| | M10XX027 | 525 | MARINE EQUIPMENT, TUGS, 54 FT LENGTH, 21 FT BEAM, 6'0" DRAFT, 525 HP, PUSH BOAT | 525 HP D-off | | $450,992 | 63.50 | 10.36 | 9.58 | 5.57 | 24.25 | 160 |
| | M10XX028 | 55 | MARINE EQUIPMENT, TUGS, 55 FT LENGTH, 20 FT BEAM, 5'0" DRAFT, 80 T, 870 HP, TOW BOAT | 870 HP D-off | | $471,523 | 88.22 | 10.83 | 10.02 | 5.82 | 40.19 | 200 |
| | M10XX029 | 705 | MARINE EQUIPMENT, TUGS, 58 FT LENGTH, 24 FT BEAM, 7'6" DRAFT, 705 HP, PUSH BOAT | 705 HP D-off | | $620,867 | 86.21 | 14.27 | 13.19 | 7.67 | 32.56 | 190 |
| | M10XX030 | 62 | MARINE EQUIPMENT, TUGS, 62 FT LENGTH, 22 FT BEAM, 5'0" DRAFT, 80 T, 870 HP, TOW BOAT | 870 HP D-off | | $656,153 | 99.61 | 15.07 | 13.94 | 8.10 | 40.19 | 200 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *M10* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | |
| | M10XX031 | 870 | MARINE EQUIPMENT, TUGS, 64 FT LENGTH, 25 FT BEAM, 8'0" DRAFT, 870 HP, PUSH BOAT | 870 HP D-off | | $678,371 | 100.99 | 15.59 | 14.42 | 8.38 | 40.19 | 200 |
| | M10XX032 | 65 | MARINE EQUIPMENT, TUGS, 65 FT LENGTH, 22 FT BEAM, 7'6" DRAFT, 80 T, 870 HP, TOW BOAT | 870 HP D-off | | $844,784 | 111.25 | 19.41 | 17.95 | 10.43 | 40.19 | 1 |
| | **SUBCATEGORY 0.55** | | **TUGS, 1,000 THRU 2,000 HP** | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | M10XX033 | 60 21 | MARINE EQUIPMENT, TUGS, 60 FT LENGTH, 21 FT BEAM, 5'0" DRAFT, 80 T, 1050 HP, TOW BOAT | 1,050 HP D-off | | $561,857 | 99.68 | 11.23 | 8.68 | 6.89 | 48.50 | 1 |
| | M10XX034 | 70 30 | MARINE EQUIPMENT, TUGS, 70 FT LENGTH, 30 FT BEAM, 7'6" DRAFT, 80 T, 1350 HP, TOW BOAT | 1,350 HP D-off | | $1,032,686 | 143.81 | 20.65 | 15.96 | 12.67 | 62.36 | 1 |
| | M10XX035 | 1950 | MARINE EQUIPMENT, TUGS, 100 FT LENGTH, 35 FT BEAM, 8'0" DRAFT, 1950 HP, PUSH BOAT | 1,950 HP D-off | | $1,311,609 | 198.64 | 26.23 | 20.27 | 16.09 | 90.07 | 1 |
| | M10XX036 | 120 | MARINE EQUIPMENT, TUGS, 120 FT LENGTH, 34 FT BEAM, 8'0" DRAFT, 80 T, 2000 HP, TOW BOAT | 2,000 HP D-off | | $2,761,402 | 275.13 | 55.21 | 42.68 | 33.87 | 92.38 | 1 |
| **P10** | **PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS** | | | | | | | | | |
| | | | **INTERNATIONAL CONSTRUCTION EQUIPMENT,INC** | | | | | | | | | |
| | P10IC001 | 216 | PILE HAMMER ACCESSORIES, PILE EXTRACTOR, 30 TON LINE PULL (ADD LEADS & CRANE) | 175 HP D-off | | $98,691 | 40.26 | 6.92 | 10.69 | 1.57 | 8.60 | 130 |
| | P10IC002 | 416L | PILE HAMMER ACCESSORIES, PILE EXTRACTOR, 40 TON LINE PULL (ADD LEADS & CRANE) | 300 HP D-off | | $155,362 | 65.07 | 10.89 | 16.83 | 2.47 | 14.75 | 207 |
| | P10IC003 | 612 | PILE HAMMER ACCESSORIES, PILE EXTRACTOR, 40 TON LINE PULL (ADD LEADS & CRANE) | 300 HP D-off | | $195,146 | 76.46 | 13.68 | 21.14 | 3.11 | 14.75 | 235 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *P10* | | | *INTERNATIONAL CONSTRUCTION EQUIPMENT,INC (continued)* | | | | | | | | | |
| | P10IC004 | 815 | PILE HAMMER ACCESSORIES, PILE EXTRACTOR, 50 TON LINE PULL (ADD LEADS & CRANE) | 503 HP D-off | | $249,528 | 105.96 | 17.49 | 27.03 | 3.97 | 24.73 | 316 |
| | P10IC005 | 1412B | PILE HAMMER ACCESSORIES, PILE EXTRACTOR,150 TON LINE PULL (ADD LEADS & CRANE) | 800 HP D-off | | $398,496 | 169.02 | 27.93 | 43.17 | 6.34 | 39.34 | 525 |
| | P10IC010 | | PILE HAMMER ACCESSORIES, PILE LEADS, SWING, 26" X 86' | | | $20,894 | 5.97 | 1.46 | 2.26 | 0.33 | 0.00 | 101 |
| | P10IC012 | | PILE HAMMER ACCESSORIES, PILE LEADS, SWING, 32" X 88' | | | $25,361 | 7.26 | 1.78 | 2.75 | 0.40 | 0.00 | 155 |
| | P10IC011 | | PILE HAMMER ACCESSORIES, PILE LEADS, FIXED, 26" X 86', W/SPOTTER | 13 HP D-off | | $40,123 | 12.38 | 2.82 | 4.35 | 0.64 | 0.64 | 134 |
| | P10IC013 | | PILE HAMMER ACCESSORIES, PILE LEADS, FIXED, 32" X 88', W/SPOTTER | 13 HP G | | $43,727 | 14.46 | 3.07 | 4.74 | 0.70 | 1.39 | 193 |
| **P20** | **PILE HAMMERS, DOUBLE ACTING** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **DIESEL** | | | | | | | | | |
| | | | **INTERNATIONAL CONSTRUCTION EQUIPMENT,INC** | | | | | | | | | |
| | P20IC001 | 180 | PILE HAMMER, DOUBLE ACTING, DIESEL, 8,100 FT-LBS, MAX STROKE 4'9" (ADD LEADS & CRANE) | | | $41,032 | 16.14 | 3.19 | 5.13 | 0.62 | 0.00 | 52 |
| | P20IC002 | 440 | PILE HAMMER, DOUBLE ACTING, DIESEL, 18,100 FT-LBS, MAX STROKE 4'8" (ADD LEADS & CRANE) | | | $94,425 | 36.16 | 7.33 | 11.80 | 1.43 | 0.00 | 122 |
| | P20IC003 | 520 | PILE HAMMER, DOUBLE ACTING, DIESEL, 30,000 FT-LBS, MAX STROKE 5'11" (ADD LEADS & CRANE) | | | $90,727 | 35.42 | 7.05 | 11.34 | 1.38 | 0.00 | 159 |
| | P20IC004 | 640 | PILE HAMMER, DOUBLE ACTING, DIESEL, 40,000 FT-LBS, MAX STROKE 6'8" (ADD LEADS & CRANE) | | | $96,517 | 38.16 | 7.49 | 12.06 | 1.46 | 0.00 | 169 |
| | | | **MKT MANUFACTURING, INC.** | | | | | | | | | |
| | P20MK001 | DA-15C | PILE HAMMER, DOUBLE ACTING, DIESEL, 8,200 FT-LBS, MAX STROKE 10'-6" (ADD LEADS & CRANE) | | | $48,828 | 18.96 | 3.79 | 6.10 | 0.74 | 0.00 | 60 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.20** | | **PNUEMATIC (STEAM/AIR)** | | | | | | | | | |
| | | | **MKT MANUFACTURING, INC.** | | | | | | | | | |
| | P20MK002 | 5 | PILE HAMMER, DOUBLE ACTING, PNUEMATIC (STEAM/AIR), 1,000 FT-LBS, MAX STROKE 7" (ADD 250 CFM COMPRESSOR, LEADS & CRANE) | 250 CFM A | | $21,137 | 8.34 | 1.72 | 2.82 | 0.31 | 0.00 | 17 |
| | P20MK003 | 6 | PILE HAMMER, DOUBLE ACTING, PNUEMATIC (STEAM/AIR), 2,500 FT-LBS, MAX STROKE 8.75" (ADD 400 CFM COMPRESSOR, LEADS & CRANE) | 400 CFM A | | $24,666 | 10.14 | 2.01 | 3.29 | 0.36 | 0.00 | 31 |
| | P20MK004 | 7 | PILE HAMMER, DOUBLE ACTING, PNUEMATIC (STEAM/AIR), 4,150 FT-LBS, MAX STROKE 9.5" (ADD 450 CFM COMPRESSOR, LEADS & CRANE) | 450 CFM A | | $31,165 | 12.81 | 2.54 | 4.16 | 0.46 | 0.00 | 50 |
| | P20MK005 | 9B3 | PILE HAMMER, DOUBLE ACTING, PNUEMATIC (STEAM/AIR), 8,750 FT-LBS, MAX STROKE 17" (ADD 600 CFM COMPRESSOR, LEADS & CRANE) | 600 CFM A | | $48,938 | 19.40 | 3.99 | 6.53 | 0.72 | 0.00 | 74 |
| | P20MK006 | 10B3 | PILE HAMMER, DOUBLE ACTING, PNUEMATIC (STEAM/AIR), 13,100 FT-LBS, MAX STROKE 19" (ADD 750 CFM COMPRESSOR, LEADS & CRANE) | 750 CFM A | | $57,166 | 23.70 | 4.66 | 7.62 | 0.85 | 0.00 | 114 |
| | P20MK007 | 11B3 | PILE HAMMER, DOUBLE ACTING, PNUEMATIC (STEAM/AIR), 19,150 FT-LBS, MAX STROKE 19" (ADD 900 CFM COMPRESSOR, LEADS & CRANE) | 900 CFM A | | $61,189 | 25.18 | 4.98 | 8.16 | 0.90 | 0.00 | 141 |
| **P25** | **PILE HAMMERS, SINGLE ACTING** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **DIESEL** | | | | | | | | | |
| | | | **PILECO, INC.** | | | | | | | | | |
| | P25DL001 | D6-32 | PILE HAMMER, SINGLE ACTING, DIESEL, 10,500 FT-LBS (ADD LEADS & CRANE) | | | $46,541 | 17.27 | 3.80 | 6.21 | 0.69 | 0.00 | 40 |
| | P25DL003 | D12-42 | PILE HAMMER, SINGLE ACTING, DIESEL, 31,320 FT-LBS (ADD LEADS & CRANE) | | | $55,690 | 20.72 | 4.54 | 7.43 | 0.82 | 0.00 | 63 |
| | P25DL004 | D19-42 | PILE HAMMER, SINGLE ACTING, DIESEL, 42,800 FT-LBS (ADD LEADS & CRANE) | | | $63,565 | 24.08 | 5.18 | 8.48 | 0.94 | 0.00 | 88 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *P25* | | | *PILECO, INC. (continued)* | | | | | | | | | |
| | P25DL005 | D25-32 | PILE HAMMER, SINGLE ACTING, DIESEL, 58,248 FT-LBS (ADD LEADS & CRANE) | | | $87,430 | 33.29 | 7.12 | 11.66 | 1.29 | 0.00 | 130 |
| | P25DL006 | D30-32 | PILE HAMMER, SINGLE ACTING, DIESEL, 69,898 FT-LBS (ADD LEADS & CRANE) | | | $90,525 | 35.03 | 7.38 | 12.07 | 1.34 | 0.00 | 141 |
| | P25DL008 | D46-32 | PILE HAMMER, SINGLE ACTING, DIESEL,107,177 FT-LBS (ADD LEADS & CRANE) | | | $111,188 | 44.27 | 9.06 | 14.83 | 1.64 | 0.00 | 207 |
| | P25DL009 | D62-22 | PILE HAMMER, SINGLE ACTING, DIESEL,165,000 FT-LBS (ADD LEADS & CRANE) | | | $167,792 | 65.40 | 13.67 | 22.37 | 2.48 | 0.00 | 283 |
| | P25DL010 | D80-23 | PILE HAMMER, SINGLE ACTING, DIESEL,225,000 FT-LBS (ADD LEADS & CRANE) | | | $245,185 | 94.18 | 19.98 | 32.69 | 3.63 | 0.00 | 382 |
| | P25DL011 | D100-13 | PILE HAMMER, SINGLE ACTING, DIESEL,300,000 FT-LBS (ADD LEADS & CRANE) | | | $262,095 | 101.76 | 21.36 | 34.95 | 3.88 | 0.00 | 459 |
| | | | **INTERNATIONAL CONSTRUCTION EQUIPMENT,INC** | | | | | | | | | |
| | P25IC001 | 30S | PILE HAMMER, SINGLE ACTING, DIESEL, 22,500 FT-LBS (ADD LEADS & CRANE) | | | $63,661 | 24.51 | 5.19 | 8.49 | 0.94 | 0.00 | 73 |
| | P25IC002 | 42S | PILE HAMMER, SINGLE ACTING, DIESEL, 42,000 FT-LBS (ADD LEADS & CRANE) | | | $77,145 | 30.49 | 6.29 | 10.29 | 1.14 | 0.00 | 91 |
| | P25IC003 | 60S | PILE HAMMER, SINGLE ACTING, DIESEL, 60,000 FT-LBS (ADD LEADS & CRANE) | | | $122,537 | 47.34 | 9.98 | 16.34 | 1.81 | 0.00 | 161 |
| | P25IC004 | 80S | PILE HAMMER, SINGLE ACTING, DIESEL, 80,000 FT-LBS (ADD LEADS & CRANE) | | | $143,288 | 55.52 | 11.68 | 19.11 | 2.12 | 0.00 | 175 |
| | P25IC005 | 100S | PILE HAMMER, SINGLE ACTING, DIESEL, 100,000 FT-LBS (ADD LEADS & CRANE) | | | $186,338 | 71.56 | 15.19 | 24.85 | 2.76 | 0.00 | 220 |
| | P25IC006 | 120S | PILE HAMMER, SINGLE ACTING, DIESEL, 120,000 FT-LBS (ADD LEADS & CRANE) | | | $222,613 | 85.21 | 18.13 | 29.68 | 3.29 | 0.00 | 274 |
| | | | **MKT MANUFACTURING, INC.** | | | | | | | | | |
| | P25MK002 | DA-35C | PILE HAMMER, SINGLE ACTING, DIESEL, 23,800 FT-LBS (ADD LEADS & CRANE) | | | $64,138 | 24.98 | 5.23 | 8.55 | 0.95 | 0.00 | 113 |
| | P25MK001 | DE-33/30/20C | PILE HAMMER, SINGLE ACTING, DIESEL, 33,000 FT-LBS (ADD LEADS & CRANE) | | | $61,074 | 23.90 | 4.97 | 8.14 | 0.90 | 0.00 | 78 |
| | P25MK003 | DE-70/50C | PILE HAMMER, SINGLE ACTING, DIESEL, 70,000 FT-LBS (ADD LEADS & CRANE) | | | $95,262 | 37.53 | 7.76 | 12.70 | 1.41 | 0.00 | 150 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.20** | | **PNUEMATIC (STEAM/AIR)** | | | | | | | | | |
| | | | **VULCAN FOUNDATION EQUIPMENT, INC** | | | | | | | | | |
| | P25VU002 | 306 | PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 18,000 FT-LBS (ADD 750CFM COMPRESSOR, LEADS & CRANE | 750 CFM A | | $67,844 | 26.82 | 5.79 | 9.61 | 0.98 | 0.00 | 121 |
| | P25VU003 | 505 | PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 25,000 FT-LBS (ADD 600CFM COMPRESSOR,LEADS & CRANE | 600 CFM A | | $67,281 | 26.61 | 5.74 | 9.53 | 0.97 | 0.00 | 127 |
| | P25VU004 | 506 | PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 32,500 FT-LBS (ADD 900CFM COMPRESSOR,LEADS & CRANE | 900 CFM A | | $68,730 | 27.14 | 5.86 | 9.74 | 0.99 | 0.00 | 140 |
| | P25VU005 | 508 | PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 40,000 FT-LBS (ADD 900CFM COMPRESSOR,LEADS & CRANE | 900 CFM A | | $92,346 | 35.59 | 7.87 | 13.08 | 1.33 | 0.00 | 202 |
| | P25VU010 | 510 | PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 50,000 FT-LBS (ADD 1050CFM COMPRESSOR,LEADS & CRANE | 1,050 CFM A | | $94,864 | 34.95 | 8.09 | 13.44 | 1.37 | 0.00 | 222 |
| | P25VU011 | 512 | PILE HAMMER, SINGLE ACTING, PNUEMATIC (STEAM/AIR), 60,000 FT-LBS (ADD 1200CFM COMPRESSOR,LEADS & CRANE | 1,200 CFM A | | $96,050 | 35.59 | 8.19 | 13.61 | 1.38 | 0.00 | 242 |
| **P30** | **PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY** | | | | | | | | | |
| | | | **MKT MANUFACTURING, INC.** | | | | | | | | | |
| | P30MK001 | V-5C | PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 53 TON FORCE DRIVE (ADD LEADS & CRANE) | 185 HP D-off | | $88,361 | 43.68 | 7.20 | 11.78 | 1.31 | 9.10 | 118 |
| | P30MK003 | V-20B | PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 107 TON FORCE DRIVE (ADD LEADS & CRANE) | 325 HP D-off | | $154,057 | 76.31 | 12.55 | 20.54 | 2.28 | 15.98 | 211 |
| | P30MK004 | V-35 | PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 180 TON FORCE DRIVE (ADD LEADS & CRANE) | 600 HP D-off | | $261,069 | 132.70 | 21.27 | 34.81 | 3.86 | 29.50 | 345 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **VULCAN FOUNDATION EQUIPMENT, INC** | | | | | | | | | | | |
| | P30VU001 | 400A | PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 17 TON | 58 HP | D-off | | | $56,314 | 23.71 | 4.59 | 7.51 | 0.83 | 2.85 | 50 |
| | P30VU002 | 1150A | PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 42 TON | 155 HP | D-off | | | $120,882 | 53.01 | 9.85 | 16.12 | 1.79 | 7.62 | 138 |
| | P30VU003 | 2300A | PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 84 TON | 360 HP | D-off | | | $180,560 | 87.99 | 14.71 | 24.07 | 2.67 | 17.70 | 166 |
| | P30VU004 | 4600A | PILE HAMMER, DRIVER/EXTRACTOR, VIBRATORY, 167 TON | 560 HP | D-off | | | $257,280 | 128.63 | 20.95 | 34.30 | 3.80 | 27.54 | 246 |
| **P35** | **PIPELAYERS** | | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **PIPELAYERS** | | | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | | | |
| | P35CA001 | 561M | PIPELAYER, 15' BOOM, 40,000# CAPACITY | 110 HP | D-off | | | $193,580 | 33.93 | 8.14 | 11.06 | 2.61 | 2.95 | 358 |
| | P35CA007 | 572-H | PIPELAYER, 18' BOOM, 40,000# CAPACITY | 110 HP | D-off | | | $195,837 | 34.27 | 8.24 | 11.19 | 2.64 | 2.95 | 358 |
| | P35CA008 | 572-R | PIPELAYER, 20' BOOM, 90,000# CAPACITY | 230 HP | D-off | | | $361,166 | 64.30 | 15.19 | 20.64 | 4.87 | 6.17 | 663 |
| | P35CA009 | 583-R | PIPELAYER, 20' BOOM, 140,000# CAPACITY | 305 HP | D-off | | | $464,257 | 83.04 | 19.54 | 26.53 | 6.27 | 8.18 | 984 |
| | P35CA006 | 589 | PIPELAYER, 28' BOOM, 230,000# CAPACITY | 420 HP | D-off | | | $609,449 | 109.79 | 25.64 | 34.83 | 8.22 | 11.26 | 1,450 |
| **P40** | **PLATFORMS & MAN-LIFTS** | | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **PLATFORMS & MAN-LIFTS** | | | | | | | | | | | |
| | | | **BIL-JAX, INC.** | | | | | | | | | | | |
| | P40BX001 | SKYRIDER 15 | MAN-LIFT, 14'10" HEIGHT, 500 LBS, 24 VOLT DC, RECHARGABLE BATTERIES | | | | | $10,749 | 2.76 | 0.75 | 1.21 | 0.14 | 0.00 | 18 |
| | | | **GROVE MANLIFT** | | | | | | | | | | | |
| | P40GW020 | A33NEJ | MAN-LIFT, ARTICULATED BOOM, 39' HEIGHT, 500 LBS, 21' REACH, 4X2, SELF PROPELLED, 2.5'X4' PLATFORM | 4 HP | E | 7 HP | E | $50,731 | 14.65 | 3.26 | 5.15 | 0.68 | 0.44 | 145 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *P40* | | | *GROVE MANLIFT (continued)* | | | | | | | | | | | |
| | P40GW021 | A45EJ | MAN-LIFT, ARTICULATED BOOM, 51' HEIGHT, 500 LBS, 25' REACH, 4X2, SELF PROPELLED, 2.5'X4' PLATFORM | 5 HP | E | 7 HP | E | $54,523 | 15.67 | 3.52 | 5.58 | 0.73 | 0.48 | 143 |
| | P40GW016 | A62J | MAN-LIFT, ARTICULATED BOOM, 68' HEIGHT, 500 LBS, 64' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 60 HP | D-off | | | $112,818 | 31.63 | 7.82 | 12.61 | 1.51 | 2.32 | 268 |
| | P40GW017 | A80J | MAN-LIFT, ARTICULATED BOOM, 86' HEIGHT, 500 LBS, 64' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 110 HP | D-off | | | $180,047 | 51.94 | 12.34 | 19.86 | 2.41 | 4.26 | 428 |
| | P40GW018 | A100J | MAN-LIFT, ARTICULATED BOOM, 106' HEIGHT, 500 LBS, 54' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 110 HP | D-off | | | $216,849 | 61.83 | 14.82 | 23.84 | 2.90 | 4.26 | 458 |
| | P40GW019 | A125J | MAN-LIFT, ARTICULATED BOOM, 131' HEIGHT, 600 LBS, 69' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 110 HP | D-off | | | $268,681 | 74.91 | 18.44 | 29.67 | 3.60 | 4.26 | 479 |
| | P40GW022 | T40 | MAN-LIFT, STRAIGHT BOOM, 40' HEIGHT, 500 LBS, 34' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 60 HP | D-off | | | $81,050 | 23.60 | 5.62 | 9.05 | 1.09 | 2.32 | 137 |
| | P40GW023 | T66J | MAN-LIFT, STRAIGHT BOOM, 66' HEIGHT, 500 LBS, 55' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 60 HP | D-off | | | $117,262 | 32.83 | 8.03 | 12.92 | 1.57 | 2.32 | 267 |
| | P40GW024 | T80 | MAN-LIFT, STRAIGHT BOOM, 86' HEIGHT, 600 LBS, 70' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 85 HP | D-off | | | $153,469 | 43.16 | 10.66 | 17.20 | 2.06 | 3.29 | 340 |
| | P40GW025 | T86J | MAN-LIFT, STRAIGHT BOOM, 92' HEIGHT, 500 LBS, 76' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 85 HP | D-off | | | $160,957 | 45.05 | 11.18 | 18.04 | 2.16 | 3.29 | 371 |
| | P40GW026 | T110 | MAN-LIFT, STRAIGHT BOOM, 116' HEIGHT, 500 LBS, 74' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 110 HP | D-off | | | $221,836 | 61.82 | 15.32 | 24.69 | 2.97 | 4.26 | 397 |
| | | | **TEREX CORPORATION** | | | | | | | | | | | |
| | P40TE001 | TS25RT | MAN-LIFT, SCISSOR, 25' HIGH, 1,500 LBS, 4X4, SELF PROPELLED, 64 X 124" PLATFORM | 24 HP | G | | | $31,975 | 10.88 | 2.19 | 3.51 | 0.43 | 1.98 | 58 |
| | P40TE002 | TS30RT | MAN-LIFT,SCISSOR, 30'HIGH,2,000 LBS, 4X4, SELF PROPELLED, 76 X 160" PLATFORM | 39 HP | G | | | $40,301 | 14.71 | 2.77 | 4.45 | 0.54 | 3.22 | 89 |
| | P40TE003 | TA50RT | MAN-LIFT, ARTICULATED BOOM, 55' HEIGHT, 500 LBS, 29' REACH, 4X4, SELF PROPELLED,2.2'X5' PLATFORM | 32 HP | D-off | | | $70,530 | 19.55 | 4.81 | 7.74 | 0.94 | 1.24 | 143 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *P40* | | | *TEREX CORPORATION (continued)* | | | | | | | | | | |
| | P40TE004 | TA60RT | MAN-LIFT, ARTICULATED BOOM, 66' HEIGHT, 500 LBS, 33' REACH, 4X4, SELF PROPELLED, 3'X6' PLATFROM | 44 HP | D-off | | $83,242 | 23.47 | 5.61 | 9.00 | 1.11 | 1.70 | 241 |
| | P40TE005 | TB42 | MAN-LIFT, STRAIGHT BOOM, 43' HEIGHT, 650 LBS, 37' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 66 HP | D-off | | $54,271 | 17.24 | 3.69 | 5.91 | 0.73 | 2.56 | 131 |
| | P40TE006 | TB60 | MAN-LIFT, STRAIGHT BOOM, 66' HEIGHT, 650 LBS, 51' REACH, 4X4, SELF PROPELLED, 3'X6' PLATFORM | 66 HP | D-off | | $86,051 | 25.32 | 5.83 | 9.36 | 1.15 | 2.56 | 230 |
| | P40TE007 | TB85 | MAN-LIFT, STRAIGHT BOOM, 86' HEIGHT, 600 LBS, 70' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 66 HP | D-off | | $138,939 | 38.65 | 9.52 | 15.31 | 1.86 | 2.56 | 370 |
| | P40TE008 | TB100 | MAN-LIFT, STRAIGHT BOOM, 92' HEIGHT, 500 LBS, 67' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 76 HP | D-off | | $159,291 | 44.29 | 10.93 | 17.60 | 2.13 | 2.94 | 393 |
| | P40TE009 | TB110 | MAN-LIFT, STRAIGHT BOOM, 116'HT, 500 LBS, 74' REACH, 4X4, SELF PROPELLED, 3'X8' PLATFORM | 76 HP | D-off | | $173,952 | 47.99 | 11.96 | 19.25 | 2.33 | 2.94 | 420 |
| | P40TE010 | T-292 | MAN-LIFT, LINE-TRUCK, W/AERIAL 24"X30" PLATFORM, 300 LBS, 34' HEIGHT, 23' RAD | 210 HP | D-off | | $60,915 | 26.37 | 4.19 | 6.73 | 0.82 | 8.14 | 115 |
| | P40TE011 | T-38P | MAN-LIFT, LINE-TRUCK,W/AERIAL 24"X30" PLATFORM, 300 LBS, 43' HEIGHT, 26' RAD | 210 HP | D-off | | $67,106 | 27.97 | 4.57 | 7.33 | 0.90 | 8.14 | 128 |
| | P40TE012 | Digger DerrickC-4045 | MAN-LIFT, LINE-TRUCK, W/ 13.7 TON, 45' HIGH-BOOM TILT POLE CLAWS, & 18" DIA AUGER | 210 HP | D-off | | $100,166 | 36.31 | 6.87 | 11.05 | 1.34 | 8.14 | 268 |
| | P40TE013 | 5FC-52 | MAN-LIFT, LINE-TRUCK, W/AERIAL 24"X48" PLATFORM, 700 LBS, 57' HEIGHT, 35' RAD | 210 HP | D-off | | $91,780 | 34.20 | 6.29 | 10.11 | 1.23 | 8.14 | 215 |
| | P40TE014 | 5FC-55 | MAN-LIFT, LINE-TRUCK, W/ AERIAL 24" X 30" PLATFORM, 500 LBS, 60' HEIGHT, 38' RAD | 210 HP | D-off | | $93,467 | 34.62 | 6.40 | 10.30 | 1.25 | 8.14 | 248 |
| | P40TE015 | 6H-65 | MAN-LIFT, LINE-TRUCK, W/ AERIAL 24"X48" PLATFORM, 750 LBS, 70' HEIGHT, 39' RAD | 210 HP | D-off | | $106,192 | 37.83 | 7.29 | 11.73 | 1.42 | 8.14 | 255 |
| **P45** | **PUMPS, GROUT** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **PUMPS, GROUT** | | | | | | | | | | |
| | | | **AIRPLACO EQUIPMENT CO., INC.** | | | | | | | | | | |
| | P45AF002 | HG-5 | PUMP, GROUT, HAND PUMP, 12 CF/HR, 0-100 PSI, W/O HOPPER (ADD HOSES) | | | | $798 | 0.21 | 0.05 | 0.08 | 0.01 | 0.00 | 1 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *P45* | | | *AIRPLACO EQUIPMENT CO., INC. (continued)* | | | | | | | | | |
| | P45AF003 | HG-8 | PUMP, GROUT, HAND PUMP, 15 CF/HR, 100 PSI, W/ 5 GAL HOPPER (ADD HOSES) | | | $1,248 | 0.34 | 0.09 | 0.13 | 0.02 | 0.00 | 1 |
| | P45AF008 | HGA-50/GM-30 | PUMP, GROUT, 50 CF/HR, 0-250 PSI, SKID MTD, W/ 5 GAL HOPPER AND 30 GAL MIXER (ADD 50 CFM COMPRESSOR & HOSE) | 50 CFM A | | $6,752 | 1.93 | 0.45 | 0.72 | 0.09 | 0.00 | 5 |
| | P45AF005 | HJ-15 SG | PUMP, GROUT, HIGH PRESSURE SINGLE CYLINDER GROUT PUMP, 110 CF/HR, 400 PSI,GROUT-MUD JACKING-SHOTCRETE, TRAILER MTD, W/ 30 GAL HOPPER AND 30 GAL MIXER (ADD 200 CFM COMPRESSOR & 2" HOSE) | 11 HP G | | $11,530 | 5.53 | 0.76 | 1.20 | 0.16 | 1.72 | 7 |
| | P45AF009 | MP-2J6/GM-70DA | PUMP, GROUT, 160 CF/HR, 1 - 225 PSI, SKID MTD, W/ 15 GAL HOPPER/ & TWO 70 GAL MIXERS (ADD 350 CFM COMPRESSOR) | 350 CFM A | | $22,029 | 6.08 | 1.47 | 2.34 | 0.30 | 0.00 | 5 |
| | P45AF006 | HJ-15 DG | PUMP, GROUT, HIGH PRESSURE DUAL CYLINDER GROUT PUMP, 180 CF/HR, 0-300 PSI, GROUT-MUD JACKING-SHOTCRETE, TRAILER MTD, W/ 30 GAL HOPPER AND 30 GAL MIXER (ADD 200 CFM COMPRESSOR & 2" HOSE) | 11 HP G | | $13,111 | 5.96 | 0.87 | 1.37 | 0.18 | 1.72 | 7 |
| | P45AF010 | HJ-25 | PUMP, GROUT, HIGH PRESSURE DUAL CYLINDER GROUT PUMP, 180 CF/HR, 0 - 400 PSI, GROUT-MUD JACK-PLASTER, TRAILER MTD, W/ 100 GAL HOPPER AND 45 GAL MIXER/ 2" HOSE | 18 HP G | | $23,397 | 10.29 | 1.55 | 2.46 | 0.32 | 2.82 | 20 |
| | P45AF011 | HJ-36 CRG | PUMP, GROUT, HIGH PRESSURE DUAL CYLINDER GROUT PUMP, 250 CF/HR, 0 - 250 PSI, GROUT-MUD JACK-SHOTCRETE, TRAILER MTD, W/ 120 GAL HOPPER/ 90 GAL MIXER/ 2" HOSE | 35 HP G | | $45,923 | 20.14 | 3.06 | 4.85 | 0.63 | 5.49 | 49 |
| | P45AF007 | P-280 HD | PUMP, GROUT, 756 CF/HR CONCRETE, 486 CF/HR SHOTCRETE, TRAILER MTD, W/ 6 CY HOPPER (ADD HOSE 2" - 3" DIA) | 30 HP D-off | | $24,309 | 9.55 | 1.62 | 2.55 | 0.34 | 2.19 | 25 |
| | | | **ALLENTOWN EQUIPMENT** | | | | | | | | | |
| | P45AL015 | POWER CRETER PRO | PUMP, GROUT, GROUT-MUD JACK-SHOTCRE, HIGH PRESSURE DUAL CYLINDER GROUT PUMP, 135 CF/HR, 0 - 1330 PSIE, TRAILER MTD, W/ 75 GAL HOPPER/ 82 GAL MIXER/ 3" HOSE | 23 HP G | | $40,691 | 16.09 | 2.71 | 4.30 | 0.56 | 3.61 | 32 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | ENGINE HORSEPOWER - FUEL TYPE CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **CHEMGROUT, INC.** | | | | | | | | | | |
| | P45CG001 | CG-050 | PUMP, GROUT, MINI, AIR, 5 GPM, 100 PSI, PORTABLE (ADD 15 CFM COMPRESSOR) | 15 CFM | A | | $3,436 | 0.99 | 0.24 | 0.37 | 0.05 | 0.00 | 1 |
| | P45CG002 | CG-550P | PUMP, GROUT, MIXER, AIR, 5 GPM, 100 PSI (ADD 85 CFM COMPRESSOR) | 85 CFM | A | | $5,804 | 1.68 | 0.39 | 0.62 | 0.08 | 0.00 | 3 |
| | P45CG003 | CG-500 | PUMP, GROUT, MIXER, AIR, 20 GPM, 100 PSI (ADD 230 CFM COMPRESSOR) | 230 CFM | A | | $14,597 | 4.12 | 0.98 | 1.55 | 0.20 | 0.00 | 12 |
| | P45CG007 | CG-570H | PUMP, GROUT, THICK MIX/SPRAY, 8 GPM, SKID MTD, W/ AIR COMPRESSOR | 16 HP | G | | $16,415 | 7.97 | 1.10 | 1.74 | 0.23 | 2.51 | 13 |
| | P45CG006 | CG-575 | PUMP, GROUT, THICK MIX/SPRAY, 8 GPM, TRAILER MTD, W/ AIR COMPRESSOR | 16 HP | G | | $16,696 | 8.04 | 1.11 | 1.75 | 0.23 | 2.51 | 15 |
| | | | **OLIN ENGINEERING, INC.** | | | | | | | | | | |
| | P45OE001 | 5 25F | GROUT PUMP, 30 CY/HR,TRAILER MTD | 42 HP | D-off | | $21,206 | 9.89 | 1.39 | 2.20 | 0.29 | 3.07 | 39 |
| | P45OE002 | 5 40 | GROUT PUMP, 42 CY/HR,TRAILER MTD | 55 HP | D-off | | $29,234 | 13.35 | 1.93 | 3.05 | 0.40 | 4.02 | 42 |
| | P45OE003 | 5 65 | GROUT PUMP, 68 CY/HR,TRAILER MTD | 84 HP | D-off | | $38,121 | 18.61 | 2.53 | 3.99 | 0.53 | 6.13 | 48 |
| | P45OE004 | 5 80 | GROUT PUMP, 82 CY/HR,TRAILER MTD | 120 HP | D-off | | $47,314 | 24.64 | 3.14 | 4.97 | 0.65 | 8.76 | 56 |
| | P45OE005 | 5 140CA | GROUT PUMP, 140 CY/HR,TRAILER MTD TANDEM | 181 HP | D-off | | $60,382 | 34.17 | 3.98 | 6.30 | 0.83 | 13.21 | 100 |
| **P50** | **PUMPS, WATER, CENTRIFUGAL, TRASH** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.11** | | **ENGINE DRIVE** | | | | | | | | | | |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | P50WC001 | PT 2A | PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 2" DIA, 205 GPM @ 100' HEAD (ADD HOSES) | 10 HP | G | | $1,477 | 2.45 | 0.10 | 0.15 | 0.02 | 1.49 | 1 |
| | P50WC002 | PT 3A | PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 3" DIA, 425 GPM @ 95' HEAD (ADD HOSES) | 15 HP | D-off | | $1,725 | 1.95 | 0.11 | 0.17 | 0.02 | 1.03 | 2 |
| | P50WC003 | PTS 4V | PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 4" DIA, 705 GPM @ 106' HEAD (ADD HOSES) | 16 HP | D-off | | $3,743 | 2.55 | 0.24 | 0.37 | 0.05 | 1.10 | 3 |
| | P50WC004 | PT 6LT | PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 6" DIA, 1300 GPM @ 100' HEAD ,TRAILER MTD (ADD HOSES) | 33 HP | D-off | | $16,734 | 7.54 | 1.07 | 1.66 | 0.24 | 2.26 | 25 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | P50XX001 | 6" DIESEL | PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 6.0", 1,165 GPM, AIR COOLED (ADD HOSES) | 60 HP D-off | | $20,285 | 11.14 | 1.31 | 2.03 | 0.29 | 4.11 | 22 |
| | P50XX002 | 8" DIESEL | PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 8.0", 2,085 GPM, WATER COOLED (ADD HOSES) | 70 HP D-off | | $37,496 | 16.46 | 2.41 | 3.75 | 0.53 | 4.80 | 35 |
| | P50XX003 | 10" DIESEL | PUMP, WATER, CENTRIFUGAL, TRASH, ENGINE DRIVE, 10.0", 2,665 GPM, WATER COOLED (ADD HOSES) | 85 HP D-off | | $40,185 | 18.66 | 2.58 | 4.02 | 0.57 | 5.83 | 43 |
| | **SUBCATEGORY 0.31** | | **HOSES, PUMP, SUCTION & DISCHARGE** | | | | | | | | | |
| | | | **GORMAN-RUPP COMPANY** | | | | | | | | | |
| | P50GR001 | | PUMP, WATER, CENTRIFUGAL, TRASH, HOSE, SUCTION/DISCH, 2" DIA X 20' WITH COUPLING (PER SECTION) | | | $353 | 0.25 | 0.05 | 0.08 | 0.01 | 0.00 | 1 |
| | P50GR002 | | PUMP, WATER, CENTRIFUGAL, TRASH, HOSE, SUCTION/DISCH, 3" DIA X 20' WITH COUPLING (PER SECTION) | | | $529 | 0.37 | 0.07 | 0.12 | 0.01 | 0.00 | 1 |
| | P50GR003 | | PUMP, WATER, CENTRIFUGAL, TRASH, HOSE, SUCTION/DISCH, 4" DIA X 20' WITH COUPLING (PER SECTION) | | | $738 | 0.52 | 0.10 | 0.17 | 0.01 | 0.00 | 1 |
| | P50GR004 | | PUMP, WATER, CENTRIFUGAL, TRASH, HOSE, SUCTION/DISCH, 6" DIA X 20' WITH COUPLING (PER SECTION) | | | $1,509 | 1.05 | 0.19 | 0.34 | 0.02 | 0.00 | 1 |
| **P55** | **PUMPS, WATER, SUBMERSIBLE** | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **ENGINE DRIVE** | | | | | | | | | |
| | | | **GRIFFIN DEWATERING CORP.** | | | | | | | | | |
| | P55GF001 | 4MH | PUMP, WATER, SUBMERSIBLE, ENGINE DRIVE, 4" DIA, 855 GPM @ 20' HEAD, SKID, INCLUDES POWER UNIT (INCLUDES POWER UNIT MODEL 250)(ADD HOSES) | 22 HP D-off | | $16,723 | 6.67 | 1.08 | 1.67 | 0.24 | 1.51 | 11 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | ENGINE HORSEPOWER - FUEL TYPE CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *P55* | | | *GRIFFIN DEWATERING CORP. (continued)* | | | | | | | | | | |
| | P55GF002 | 6M | PUMP, WATER, SUBMERSIBLE, ENGINE DRIVE, 6" DIA, 1,500 GPM @ 20' HEAD, JET SKID MTD (INCLUDES POWER UNIT MODEL 400)(ADD HOSES) | 22 HP | D-off | | $21,207 | 7.86 | 1.36 | 2.12 | 0.30 | 1.51 | 12 |
| | **SUBCATEGORY 0.02** | | **ELECTRIC DRIVE** | | | | | | | | | | |
| | | | **GORMAN-RUPP COMPANY** | | | | | | | | | | |
| | P55GR001 | S2A1 | PUMP, WATER, SUBMERSIBLE, ELECTRIC, 2" DIA, 138 GPM @ 20' HEAD (ADD HOSES) | 2 HP | E | | $2,840 | 0.83 | 0.19 | 0.30 | 0.04 | 0.15 | 2 |
| | P55GR002 | S3A1 | PUMP, WATER, SUBMERSIBLE, ELECTRIC, 3" DIA, 278 GPM @ 20' HEAD (ADD HOSES) | 5 HP | E | | $3,814 | 1.37 | 0.26 | 0.41 | 0.05 | 0.36 | 3 |
| | P55GR003 | S4A1 | PUMP, WATER, SUBMERSIBLE, ELECTRIC, 4" DIA, 860 GPM @ 40' HEAD (ADD HOSES) | 25 HP | E | | $13,191 | 5.62 | 0.88 | 1.40 | 0.18 | 1.82 | 12 |
| | P55GR004 | S6A1 | PUMP, WATER, SUBMERSIBLE, ELECTRIC, 6" DIA, 1950 GPM @ 40' HEAD (ADD HOSES) | 60 HP | E | | $17,909 | 10.59 | 1.20 | 1.90 | 0.25 | 4.37 | 14 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | P55WC001 | STP 400 | PUMP, WATER, SUBMERSIBLE, ELECTRIC, 2" DIA, 66 GPM @ 39' HEAD (ADD HOSES) | 1 HP | E | | $497 | 0.22 | 0.04 | 0.05 | 0.01 | 0.07 | 1 |
| | P55WC002 | STP 750 | PUMP, WATER, SUBMERSIBLE, ELECTRIC, 2" DIA, 100 GPM @ 52' HEAD (ADD HOSES) | 1 HP | E | | $887 | 0.29 | 0.06 | 0.09 | 0.01 | 0.07 | 1 |
| **P60** | **PUMPS, WATER, CENTRIFUGAL, DEWATERING** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.11** | | **SKID MOUNTED, ENGINE DRIVE** | | | | | | | | | | |
| | | | **HOMELITE, INC. (DEERE & COMPANY)** | | | | | | | | | | |
| | P60HO002 | 111S2 | PUMP, WATER, CENTRIFUGAL, DEWATERING, SKID MOUNTED, ENGINE DRIVE, 2" DIA, 9,000 GPH AT 22' HEAD(ADD HOSES) | 4 HP | G | | $834 | 0.93 | 0.05 | 0.08 | 0.01 | 0.52 | 1 |
| | P60HO003 | 120S3 | PUMP, WATER, CENTRIFUGAL, DEWATERING, SKID MOUNTED, ENGINE DRIVE, 3" DIA, 17,600 GPH AT 20' HEAD (ADD HOSES) | 8 HP | G | | $1,365 | 2.01 | 0.09 | 0.14 | 0.02 | 1.19 | 1 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | P60WC001 | PG 2 | PUMP, WATER, CENTRIFUGAL, DEWATERING, SKID MOUNTED, ENGINE DRIVE, 2" DIA, 159 GPM AT 98' HEAD (ADD HOSES) | 4 HP | G | | $582 | 0.97 | 0.04 | 0.06 | 0.01 | 0.59 | 1 |
| | P60WC002 | PG 3 | PUMP, WATER, CENTRIFUGAL, DEWATERING, SKID MOUNTED, ENGINE DRIVE, 3" DIA, 264 GPM AT 98' HEAD (ADD HOSES) | 6 HP | G | | $702 | 1.42 | 0.05 | 0.07 | 0.01 | 0.89 | 1 |
| | **SUBCATEGORY 0.21** | | **WHEEL MOUNTED, ENGINE DRIVE** | | | | | | | | | | |
| | | | **GRIFFIN DEWATERING CORP.** | | | | | | | | | | |
| | P60GF003 | 250/4"M | PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 4" DIA, 485 GPM @ 60' HEAD (ADD HOSES) | 32 HP | D-off | | $17,494 | 7.60 | 1.11 | 1.72 | 0.25 | 2.19 | 19 |
| | P60GF008 | 250/6"T | PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 6" DIA, 1040 GPM @ 60' HEAD (ADD HOSES) | 32 HP | D-off | | $17,767 | 7.67 | 1.13 | 1.75 | 0.25 | 2.19 | 19 |
| | P60GF004 | 400/8"T | PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 8" DIA,1770 GPM @ 60' HEAD (ADD HOSES) | 61 HP | D-off | | $22,342 | 11.76 | 1.43 | 2.21 | 0.32 | 4.18 | 31 |
| | P60GF005 | 600/10"T | PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 10" DIA, 3410 GPM @ 60' HEAD (ADD HOSES) | 83 HP | D-off | | $27,221 | 15.20 | 1.74 | 2.70 | 0.39 | 5.69 | 34 |
| | P60GF006 | 800/12"T | PUMP, WATER, CENTRIFUGAL, DEWATERING, WHEEL, 12" DIA, 4410 GPM @ 60' HEAD (ADD HOSES) | 110 HP | D-off | | $31,465 | 18.97 | 2.00 | 3.10 | 0.45 | 7.54 | 40 |
| | | | **GORMAN-RUPP COMPANY** | | | | | | | | | | |
| | P60GR001 | 14C2-F3L | PUMP, WATER, CENTRIFUGAL, DEWATERING, 4" DIA, 600 GPM @ 80' HEAD, WHEEL (ADD HOSES) | 47 HP | D-off | | $20,505 | 9.87 | 1.30 | 2.02 | 0.29 | 3.22 | 20 |
| | P60GR002 | 86A2-F4L | PUMP, WATER, CENTRIFUGAL, DEWATERING, 6" DIA, 1825 GPM @ 40' HEAD, WHEEL (ADD HOSES) | 101 HP | G | | $22,515 | 26.59 | 1.43 | 2.22 | 0.32 | 15.00 | 20 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **P65** | **PUMPS, WATER, DIAPHRAGM** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.11** | | **SKID MOUNTED, ENGINE DRIVE** | | | | | | | | | | |
| | | | **HOMELITE, INC. (DEERE & COMPANY)** | | | | | | | | | | |
| | P65HO001 | 111DP2-1 | PUMP, WATER, DIAPHRAGM, SKID MTD, 2" DIA, 2000 GPH @ 25' HEAD (ADD HOSES) | 4 HP | G | | $1,283 | 1.06 | 0.09 | 0.13 | 0.02 | 0.52 | 1 |
| | P65HO002 | 111DP3-1 | PUMP, WATER, DIAPHRAGM, SKID MTD, 3" DIA, 4800 GPH @ 25' HEAD (ADD HOSES) | 4 HP | G | | $1,393 | 1.08 | 0.09 | 0.14 | 0.02 | 0.52 | 2 |
| | **SUBCATEGORY 0.21** | | **WHEEL MOUNTED, ENGINE DRIVE** | | | | | | | | | | |
| | | | **GORMAN-RUPP COMPANY** | | | | | | | | | | |
| | P65GR001 | 3D-13 | PUMP, WATER, DIAPHRAGM, WHEEL, 2" SUCTION X 3" DISCHARGE, 3,360 GPH @ 25' HEAD (ADD HOSES) | 5 HP | G | | $2,402 | 1.59 | 0.14 | 0.22 | 0.03 | 0.74 | 2 |
| | P65GR002 | 3D-B | PUMP, WATER, DIAPHRAGM, WHEEL, 3" DIA, 3,360 GPH @ 25' HEAD (ADD HOSES) | 2 HP | G | | $3,051 | 1.03 | 0.19 | 0.29 | 0.04 | 0.22 | 2 |
| | P65GR003 | 4D-B | PUMP, WATER, DIAPHRAGM, WHEEL, 4" DIA, 4,440 GPH @ 25' HEAD (ADD HOSES) | 3 HP | G | | $7,802 | 2.47 | 0.49 | 0.76 | 0.11 | 0.45 | 3 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | P65WC001 | PDT 2A | PUMP, WATER, DIAPHRAGM, WHEEL, 2" DIA, 50 GPM @ 25' HEAD (ADD HOSES) | 4 HP | G | | $1,747 | 1.22 | 0.11 | 0.17 | 0.02 | 0.59 | 1 |
| | P65WC002 | PDT 3A | PUMP, WATER, DIAPHRAGM, WHEEL, 3" DIA, 88 GPM @ 25' HEAD (ADD HOSES) | 4 HP | G | | $1,835 | 1.25 | 0.12 | 0.18 | 0.03 | 0.59 | 2 |
| **P70** | **PUMPS, WATER (For core drills)** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **ENGINE DRIVE** | | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | P70XX001 | 75-7.6 | PUMP, WATER, FOR CORE DRILLS, 7.6 GPM, 75 PSI, MANUAL, SKID (ADD HOSES) | 2 HP | G | | $2,900 | 1.08 | 0.18 | 0.27 | 0.04 | 0.30 | 1 |
| | P70XX002 | 225-17.5 | PUMP, WATER, FOR CORE DRILLS, 17.5 GPM, 225 PSI, MANUAL, SKID (ADD HOSES) | 6 HP | G | | $7,574 | 2.98 | 0.47 | 0.71 | 0.11 | 0.89 | 1 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R10 | RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear) | | | | | | | | | | | |
| | SUBCATEGORY 0.00 | | RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear) | | | | | | | | | |
| | | | CATERPILLAR INC. ( MACHINE DIVISION) | | | | | | | | | |
| | R10CA001 | D-3 | RIPPER, 5-SHANKS & BEAM, HYDRAULIC (ADD D-3 TRACTOR DOZER & COST FOR POINT WEAR) | | | $5,765 | 1.52 | 0.37 | 0.58 | 0.08 | 0.00 | 8 |
| | R10CA003 | D-4C SERIES III | RIPPER, 5-SHANKS & BEAM, HYDRAULIC (ADD D-4 TRACTOR DOZER & COST FOR POINT WEAR) | | | $5,765 | 1.52 | 0.37 | 0.58 | 0.08 | 0.00 | 8 |
| | R10CA006 | D-5C111 | RIPPER, SHANK, EACH (ADD D-5 TRACTOR DOZER & RIPPER & COST FOR POINT WEAR) | | | $237 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 1 |
| | R10CA005 | D-5C SERIES III | RIPPER, 5-SHANKS & BEAM, HYDRAULIC (ADD D-5 TRACTOR DOZER & COST FOR POINT WEAR) | | | $5,765 | 1.52 | 0.37 | 0.58 | 0.08 | 0.00 | 8 |
| | R10CA007 | D-6R | RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-6 TRACTOR DOZER & COST FOR POINT WEAR) | | | $16,628 | 4.24 | 1.07 | 1.66 | 0.24 | 0.00 | 16 |
| | R10CA010 | D-7R | RIPPER, SHANK, EACH (ADD D-7 TRACTOR DOZER & COST FOR POINT WEAR) | | | $1,761 | 0.45 | 0.12 | 0.18 | 0.03 | 0.00 | 3 |
| | R10CA009 | D-7R | RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-7 TRACTOR DOZER & COST FOR POINT WEAR) | | | $27,792 | 7.03 | 1.79 | 2.78 | 0.40 | 0.00 | 44 |
| | R10CA013 | D-8R | RIPPER, SHANK, EACH (ADD D-8 TRACTOR DOZER & COST FOR POINT WEAR) | | | $3,647 | 0.91 | 0.23 | 0.36 | 0.05 | 0.00 | 7 |
| | R10CA011 | D-8R | RIPPER, 1-SHANK & BEAM, HYDRAULIC (ADD D-8 TRACTOR DOZER & COST FOR POINT WEAR) | | | $30,722 | 7.78 | 1.98 | 3.07 | 0.44 | 0.00 | 38 |
| | R10CA012 | D-8R | RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-8 TRACTOR DOZER & COST FOR POINT WEAR) | | | $38,632 | 9.75 | 2.48 | 3.86 | 0.55 | 0.00 | 46 |
| | R10CA016 | D-9R | RIPPER, SHANK, EACH (ADD D-9 TRACTOR DOZER & COST FOR POINT WEAR) | | | $3,647 | 0.91 | 0.23 | 0.36 | 0.05 | 0.00 | 7 |
| | R10CA014 | D-9R | RIPPER, 1-SHANK & BEAM, HYDRAULIC (ADD D-9 TRACTOR DOZER & COST FOR POINT WEAR) | | | $39,831 | 10.12 | 2.56 | 3.98 | 0.57 | 0.00 | 7 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *R10* | | | *CATERPILLAR INC. ( MACHINE DIVISION) (continued)* | | | | | | | | | |
| | R10CA015 | D-9R | RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-9 TRACTOR DOZER & COST FOR POINT WEAR) | | | $47,753 | 12.10 | 3.07 | 4.78 | 0.68 | 0.00 | 33 |
| | R10CA019 | D-10R | RIPPER, SHANK, EACH (ADD D-10 TRACTOR DOZER & COST FOR POINT WEAR) | | | $6,018 | 1.75 | 0.39 | 0.60 | 0.09 | 0.00 | 12 |
| | R10CA017 | D-10R | RIPPER, 1-SHANK & BEAM, HYDRAULIC (ADD D-10 TRACTOR DOZER & COST FOR POINT WEAR) | | | $68,406 | 17.31 | 4.39 | 6.84 | 0.97 | 0.00 | 63 |
| | R10CA018 | D-10R | RIPPER, 3-SHANKS & BEAM, HYDRAULIC (ADD D-10 TRACTOR DOZER & COST FOR POINT WEAR) | | | $84,504 | 21.34 | 5.43 | 8.45 | 1.20 | 0.00 | 85 |
| | R10CA020 | D-11R | RIPPER, 1-SHANK & BEAM (ADD D-11 TRACTOR DOZER & COST FOR POINT WEAR) | | | $73,179 | 18.52 | 4.70 | 7.32 | 1.04 | 0.00 | 72 |
| | R10CA021 | D-11R | RIPPER, 3-SHANKS & BEAM (ADD D-11 TRACTOR DOZER & COST FOR POINT WEAR) | | | $87,393 | 22.09 | 5.61 | 8.74 | 1.24 | 0.00 | 103 |
| R15 | ROLLERS, STATIC, TOWED, PNEUMATIC | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ROLLERS, STATIC, TOWED, PNEUMATIC** | | | | | | | | | |
| | | | **SOUTHWEST CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | |
| | R15SO001 | C-50 | ROLLER, STATIC, TOWED, PNEUMATIC, 60 TON, 9.8' WIDE, 4 TIRE (ADD TOWING UNIT) | | | $112,302 | 20.25 | 5.46 | 7.79 | 1.56 | 0.00 | 309 |
| | R15SO002 | C-75 | ROLLER, STATIC, TOWED, PNEUMATIC, 75 TON, 10.5' WIDE, 4 TIRE (ADD TOWING UNIT) | | | $123,816 | 22.13 | 5.70 | 7.95 | 1.72 | 0.00 | 347 |
| | R15SO003 | C-100XL | ROLLER, STATIC, TOWED, PNEUMATIC, 100 TON, 10.5' WIDE, 4 TIRE (ADD TOWING UNIT) | | | $174,834 | 31.54 | 8.45 | 12.03 | 2.43 | 0.00 | 551 |
| R20 | ROLLERS, STATIC, TOWED, STEEL DRUM | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ROLLERS, STATIC, TOWED, STEEL DRUM** | | | | | | | | | |
| | | | **REYNOLDS INTERNATIONAL, L.P.** | | | | | | | | | |
| | R20RI001 | DD-48X40 | ROLLER, STATIC, TOWED, 2 STEEL DRUMS, 48" X 40", PADFOOT (ADD TOWING UNIT) | | | $18,270 | 3.76 | 0.98 | 1.46 | 0.25 | 0.00 | 183 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *R20* | | | *REYNOLDS INTERNATIONAL, L.P. (continued)* | | | | | | | | | |
| | R20RI002 | DD-48X60 | ROLLER, STATIC, TOWED, 2 STEEL DRUMS, 48" X 60", PADFOOT (ADD TOWING UNIT) | | | $24,497 | 4.96 | 1.32 | 1.96 | 0.34 | 0.00 | 243 |
| | | | **SOUTHWEST CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | |
| | R20SO001 | 2DH-RR | ROLLER, STATIC, TOWED, TANDEM, 60"X60", SHEEPSFOOT (ADD TOWING UNIT) | | | $61,896 | 12.16 | 3.34 | 4.95 | 0.86 | 0.00 | 200 |
| **R30** | **ROLLERS, STATIC, SELF-PROPELLED** | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **PNEUMATIC** | | | | | | | | | |
| | | | **COMPACTION AMERICA** | | | | | | | | | |
| | R30BO004 | BW11R | ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 13.50 TON, 68" WIDE, 9 TIRE, ASPHALT COMPACTOR | 80 HP D-off | | $70,798 | 22.79 | 4.51 | 7.05 | 0.98 | 4.89 | 90 |
| | R30BO003 | BW20R | ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 30.00 TON, 78" WIDE, 8 TIRE, ASPHALT COMPACTOR | 101 HP D-off | | $108,072 | 32.89 | 7.02 | 11.05 | 1.49 | 6.17 | 254 |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | R30CA010 | PS-150B | ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 14.25 TON, 68" WIDE, 9 TIRE, ASPHALT COMPACTOR | 70 HP D-off | | $67,615 | 21.12 | 4.42 | 6.98 | 0.93 | 4.28 | 85 |
| | R30CA011 | PS-200B | ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 20.00 TON, 68" WIDE, 9 TIRE, ASPHALT COMPACTOR | 105 HP D-off | | $82,305 | 27.25 | 5.42 | 8.56 | 1.14 | 6.41 | 87 |
| | R30CA014 | PS-360B | ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 27.55 TON, 90" WIDE, 7 TIRE, ASPHALT COMPACTOR | 105 HP D-off | | $133,641 | 39.38 | 8.62 | 13.53 | 1.85 | 6.41 | 187 |
| | | | **ROSCO MANUFACTURING CO.** | | | | | | | | | |
| | R30RS003 | TRU-PAC 915 | ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 6-15 TON, 68" WIDE, 9 TIRES, HYDROSTATIC | 85 HP D-off | | $52,634 | 18.82 | 3.44 | 5.42 | 0.73 | 5.19 | 115 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **SAKAI AMERICA, INC.** | | | | | | | | | | |
| | R30SI002 | TS200 | ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 16.00 TON, 81" WIDE, 9 TIRE, ASPHALT COMPACTOR | 91 HP | D-off | | $90,786 | 28.22 | 5.82 | 9.14 | 1.25 | 5.56 | 187 |
| | R30SI003 | TS600C | ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 16.00 TON, 81" WIDE, 9 TIRE, ASPHALT COMPACTOR | 95 HP | D-off | | $112,924 | 33.59 | 7.31 | 11.49 | 1.56 | 5.80 | 187 |
| | R30SI004 | TS650C | ROLLER, STATIC, SELF-PROPELLED, PNEUMATIC, 27.00 TON, 82" WIDE, 7 TIRE, ASPHALT COMPACTOR | 108 HP | D-off | | $149,607 | 42.92 | 9.80 | 15.46 | 2.07 | 6.60 | 281 |
| | **SUBCATEGORY 0.02** | | **SMOOTH DRUM** | | | | | | | | | | |
| | | | **COMPACTION AMERICA** | | | | | | | | | | |
| | R30BO005 | BW5AS | ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, 2 WHEEL, 6 TON, 40" WIDE ASPHALT COMPACTOR | 50 HP | D-off | | $63,224 | 16.41 | 3.54 | 5.37 | 0.85 | 3.05 | 94 |
| | R30BO006 | BW9AS | ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, 2 WHEEL, 10 TON, 50" WIDE ASPHALT COMPACTOR | 80 HP | D-off | | $78,129 | 21.74 | 4.37 | 6.64 | 1.05 | 4.89 | 140 |
| | R30BO007 | BW11AS | ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, 2 WHEEL, 14 TON, 54" WIDE ASPHALT COMPACTOR | 70 HP | D-off | | $73,543 | 20.03 | 4.12 | 6.25 | 0.99 | 4.28 | 215 |
| | | | **ROSCO MANUFACTURING CO.** | | | | | | | | | | |
| | R30RS001 | DLX ROLLPAC III | ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, DOUBLE DRUM, 1.5 TON, 34" WIDE | 13 HP | G | | $8,527 | 3.90 | 0.47 | 0.72 | 0.11 | 1.72 | 17 |
| | R30RS002 | STAPAC III | ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, DOUBLE DRUM, 2 TON, 40" WIDE | 20 HP | G | | $11,087 | 5.61 | 0.62 | 0.94 | 0.15 | 2.64 | 26 |
| | | | **SAKAI AMERICA, INC.** | | | | | | | | | | |
| | R30SI005 | R2H | ROLLER, STATIC, SELF-PROPELLED, SMOOTH DRUM, 3 WHEEL, 14 TON, 64" WIDE, ASPHALT COMPACTOR | 75 HP | D-off | | $111,288 | 27.85 | 6.22 | 9.46 | 1.49 | 4.58 | 207 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.03** | | **TAMPING FOOT, LANDFILL & SOIL COMPACTORS** | | | | | | | | | |
| | | | **COMPACTION AMERICA** | | | | | | | | | |
| | R30BO009 | BC671RB | ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, SHEEPSFOOT, 4X4, 35 TON, 63" DIA, 19.58' WIDTH PER 2-PASS, W/BLADE | 338 HP D-off | | $460,949 | 101.66 | 21.66 | 30.73 | 6.29 | 20.65 | 710 |
| | R30BO008 | BC771RB | ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, SHEEPSFOOT, 4X4, 40 TON, 63" DIA, 19.58' WIDTH PER 2-PASS, W/BLADE | 357 HP D-off | | $510,414 | 111.19 | 23.98 | 34.03 | 6.96 | 21.81 | 812 |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | R30CA003 | 815-F | ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, SHEEPSFOOT, 4X4, 23 TON, 56" DIA, 14.25' WIDTH PER 2-PASS, W/BLADE | 220 HP D-off | | $299,189 | 66.03 | 14.06 | 19.95 | 4.08 | 13.44 | 456 |
| | R30CA012 | 816-F | ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, TAMPING FOOT, CHOPPER, 4X4, 25.0 TON, 14.75' WIDTH PER 2-PASS, W/BLADE | 220 HP D-off | | $312,177 | 68.13 | 14.67 | 20.81 | 4.26 | 13.44 | 503 |
| | R30CA006 | 825-G | ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, SHEEPSFOOT, 4X4, 35 TON, 51" DIA, 16.00' WIDTH PER 2-PASS, W/BLADE | 315 HP D-off | | $451,529 | 98.29 | 21.21 | 30.10 | 6.16 | 19.24 | 691 |
| | R30CA013 | 826-G | ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, TAMPING FOOT, CHOPPER, 4X4, 36.5 TON, 15.66' WIDTH PER 2-PASS, W/BLADE | 315 HP D-off | | $488,380 | 104.28 | 22.94 | 32.56 | 6.66 | 19.24 | 794 |
| | R30CA009 | 836 | ROLLER, STATIC, SELF-PROPELLED, LANDFILL/SOIL COMPACTOR, TAMPING FOOT, CHOPPER, 4X4, 50.0 TON, 18.58' WIDTH PER 2-PASS, W/BLADE | 473 HP D-off | | $619,162 | 138.05 | 29.09 | 41.28 | 8.45 | 28.90 | 1,020 |

## Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **R40** | **ROLLERS, VIBRATORY, TOWED** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ROLLERS, VIBRATORY, TOWED** | | | | | | | | | |
| | | | **SOUTHWEST CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | |
| | R40SO001 | 566 SHEEPSFT | ROLLER, VIBRATORY, TOWED, SINGLE DRUM, SHEEPSFOOT, 25.5 TON, 72" WIDE (ADD TOWING UNIT) | 50 HP D-off | | $86,360 | 25.29 | 5.55 | 8.64 | 1.23 | 3.43 | 165 |
| | R40SO003 | 572 SMOOTH | ROLLER, VIBRATORY, TOWED, SINGLE DRUM, SMOOTH, 25.5 TON, 72" WIDE (ADD TOWING UNIT) | 50 HP D-off | | $83,053 | 24.51 | 5.34 | 8.31 | 1.18 | 3.43 | 169 |
| | R40SO002 | 756 SHEEPSFT | ROLLER, VIBRATORY, TOWED, SINGLE DRUM, SHEEPSFOOT, 23.5 TON, 78" WIDE (ADD TOWING UNIT) | 75 HP D-off | | $113,203 | 34.05 | 7.27 | 11.32 | 1.61 | 5.14 | 240 |
| | R40SO004 | 786 SMOOTH | ROLLER, VIBRATORY, TOWED, SINGLE DRUM, SMOOTH, 23.5 TON, 78" WIDE (ADD TOWING UNIT) | 75 HP D-off | | $82,711 | 26.81 | 5.32 | 8.27 | 1.18 | 5.14 | 230 |
| **R45** | **ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM** | | | | | | | | | |
| | | | **COMPACTION AMERICA** | | | | | | | | | |
| | R45BO004 | BW120AD-3 | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 2.9 TON, 47.2" WIDE, 2X1, ASPHALT COMPACTOR | 33 HP D-off | | $45,604 | 16.09 | 2.93 | 4.56 | 0.65 | 2.26 | 55 |
| | R45BO005 | BW138AD | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 4.6 TON, 54.3" WIDE, 2X1, ASPHALT COMPACTOR | 46 HP D-off | | $57,043 | 20.56 | 3.66 | 5.70 | 0.81 | 3.15 | 88 |
| | R45BO006 | BW151AD-2 | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 7.8 TON, 66.1" WIDE, 2X1, ASPHALT COMPACTOR | 74 HP D-off | | $110,597 | 38.43 | 7.10 | 11.06 | 1.57 | 5.07 | 146 |
| | R45BO007 | BW161AD-2 | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 10.4 TON, 66.1" WIDE, 2X1, ASPHALT COMPACTOR | 113 HP D-off | | $134,467 | 48.95 | 8.64 | 13.45 | 1.91 | 7.75 | 196 |
| | R45BO008 | BW202ADH-2 | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 12.6 TON, 84.0" WIDE, 2X1, ASPHALT COMPACTOR | 113 HP D-off | | $142,359 | 51.19 | 9.15 | 14.24 | 2.03 | 7.75 | 239 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | | |
| | R45CA001 | CB-214C | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 2.5 TON, 39.4" WIDE, 2X1, ASPHALT COMPACTOR | 37 HP | D-off | | $38,763 | 14.54 | 2.49 | 3.88 | 0.55 | 2.54 | 44 |
| | R45CA002 | CB-224C | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 2.7 TON, 47.2" WIDE, 2X1, ASPHALT COMPACTOR | 37 HP | D-off | | $45,183 | 16.36 | 2.90 | 4.52 | 0.64 | 2.54 | 44 |
| | R45CA005 | CB-434C | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 6.6 TON, 56" WIDE, 2X1, ASPHALT COMPACTOR | 70 HP | D-off | | $112,007 | 38.45 | 7.19 | 11.20 | 1.59 | 4.80 | 137 |
| | R45CA007 | CB-534C | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 10.0 TON, 67" WIDE, 2X1, ASPHALT COMPACTOR | 107 HP | D-off | | $139,469 | 49.78 | 8.96 | 13.95 | 1.98 | 7.33 | 216 |
| | R45CA010 | CB-634C | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 13.2 TON, 84" WIDE, 2X1, ASPHALT COMPACTOR | 145 HP | D-off | | $166,916 | 61.19 | 10.72 | 16.69 | 2.37 | 9.94 | 269 |
| | R45CA009 | CP-563C (PADS) | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 12.5 TON, 84" WIDE, SOIL COMPACTOR, PADDED DRUM | 145 HP | D-off | | $182,929 | 65.85 | 11.60 | 18.00 | 2.60 | 9.94 | 257 |
| | | | **ROSCO MANUFACTURING CO.** | | | | | | | | | | |
| | R45RS001 | VIBRASTAT III | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 2.0 TON, 36" WIDE, ASPHALT COMPACTOR | 20 HP | G | | $13,486 | 7.97 | 0.87 | 1.35 | 0.19 | 2.97 | 27 |
| | | | **SAKAI AMERICA, INC.** | | | | | | | | | | |
| | R45SI007 | SW250 | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 1.7 TON, 39.5" WIDE, 2X1, ASPHALT COMPACTOR | 14 HP | D-off | | $31,952 | 10.40 | 2.05 | 3.20 | 0.45 | 0.96 | 16 |
| | R45SI008 | SW350 | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 3.0 TON, 47" WIDE, 2X1, ASPHALT COMPACTOR | 28 HP | D-off | | $47,879 | 16.25 | 3.08 | 4.79 | 0.68 | 1.92 | 28 |
| | R45SI009 | SW650 | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 7.8 TON, 58" WIDE, 2X1, ASPHALT COMPACTOR | 37 HP | D-off | | $92,262 | 29.71 | 5.93 | 9.23 | 1.31 | 2.54 | 157 |
| | R45SI010 | SW850 | ROLLER, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM, SMOOTH, 14.0 TON, 79" WIDE, 2X1, ASPHALT COMPACTOR | 121 HP | D-off | | $126,982 | 47.58 | 8.16 | 12.70 | 1.81 | 8.29 | 124 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R50 | ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM | | | | | | | | | | | | |
| | SUBCATEGORY 0.00 | | ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM | | | | | | | | | | |
| | | | COMPACTION AMERICA | | | | | | | | | | |
| | R50BO005 | BW124D | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 2.9 TON, 47.2" WIDE, 3X2, SOIL COMPACTOR | 38 HP | D-off | | $43,907 | 14.23 | 2.60 | 3.92 | 0.64 | 1.87 | 57 |
| | R50BO010 | BW124PD | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 2.9 TON, 47.2" WIDE, 3X2, SOIL COMPACTOR | 38 HP | D-off | | $48,598 | 15.38 | 2.97 | 4.51 | 0.71 | 1.87 | 58 |
| | R50BO006 | BW142D | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 5.5 TON, 56.1" WIDE, 3X2, SOIL COMPACTOR | 54 HP | D-off | | $74,004 | 23.15 | 4.53 | 6.90 | 1.08 | 2.66 | 106 |
| | R50BO011 | BW142PD-2 | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 5.8 TON, 56.1" WIDE, 3X2, SOIL COMPACTOR | 54 HP | D-off | | $79,377 | 24.56 | 4.86 | 7.40 | 1.16 | 2.66 | 72 |
| | R50BO007 | BW177D-3 | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 7.9 TON, 66.4" WIDE, 3X2, SOIL COMPACTOR | 77 HP | D-off | | $106,090 | 33.16 | 6.47 | 9.84 | 1.55 | 3.79 | 139 |
| | R50BO012 | BW177PDJ-3 | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 8.3 TON, 66.4" WIDE, 3X2, SOIL COMPACTOR | 77 HP | D-off | | $119,943 | 36.79 | 7.32 | 11.14 | 1.75 | 3.79 | 146 |
| | R50BO008 | BW213D-3 | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 11.5 TON, 83.9" WIDE, 3X2, SOIL COMPACTOR | 185 HP | D-off | | $136,455 | 48.60 | 8.30 | 12.59 | 2.00 | 9.10 | 260 |
| | R50BO013 | BW213PDH-3 | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 14.1 TON, 83.9" WIDE, 3X2, SOIL COMPACTOR | 185 HP | D-off | | $150,259 | 52.22 | 9.15 | 13.89 | 2.20 | 9.10 | 275 |
| | R50BO009 | BW219DH-3 | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 20.6 TON, 83.9" WIDE, 3X2, SOIL COMPACTOR | 181 HP | D-off | | $204,620 | 66.19 | 12.48 | 18.98 | 2.99 | 8.90 | 407 |
| | | | CATERPILLAR INC. ( MACHINE DIVISION) | | | | | | | | | | |
| | R50CA001 | CS-323C | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 4.6 TON, 50" WIDE, 3X2, SOIL COMPACTOR | 70 HP | D-off | | $73,582 | 24.16 | 4.50 | 6.83 | 1.08 | 3.44 | 97 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *R50* | | | *CATERPILLAR INC. ( MACHINE DIVISION) (continued)* | | | | | | | | | |
| | R50CA003 | CS-431C | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 6.9 TON, 66" WIDE, 3X2, SOIL COMPACTOR | 105 HP D-off | | $90,020 | 30.88 | 5.48 | 8.32 | 1.32 | 5.16 | 138 |
| | R50CA005 | CS-433C | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 7.1 TON, 66" WIDE, 3X2, SOIL COMPACTOR | 105 HP D-off | | $104,189 | 34.60 | 6.35 | 9.65 | 1.52 | 5.16 | 141 |
| | R50CA009 | CS-563D | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 12.2 TON, 84" WIDE, 3X2, SOIL COMPACTOR | 153 HP D-off | | $133,427 | 45.64 | 8.06 | 12.22 | 1.95 | 7.52 | 246 |
| | R50CA011 | CS-583C | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 16.5 TON, 84" WIDE, 3X2, SOIL COMPACTOR | 145 HP D-off | | $166,890 | 53.88 | 10.12 | 15.36 | 2.44 | 7.13 | 246 |
| | R50CA002 | CP-323C (PADS) | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 4.6 TON, 50" WIDE, 3X2, SOIL COMPACTOR | 70 HP D-off | | $84,791 | 27.09 | 5.18 | 7.88 | 1.24 | 3.44 | 104 |
| | R50CA004 | CP-433C (PADS) | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 7.1 TON, 66" WIDE, 3X2,SOIL COMPACTOR | 105 HP D-off | | $115,156 | 37.47 | 7.02 | 10.68 | 1.68 | 5.16 | 146 |
| | R50CA012 | CP-563D (PADS) | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, PAD FOOT, 12.5 TON, 84" WIDE, 3X2, SOIL COMPACTOR | 153 HP D-off | | $157,118 | 51.86 | 9.52 | 14.44 | 2.30 | 7.52 | 269 |
| | | | **INGERSOLL RAND CO.** | | | | | | | | | |
| | R50IP001 | SD-40D | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 4.9 TON, 54" WIDE, SOIL COMPACTOR | 76 HP D-off | | $78,118 | 25.75 | 4.76 | 7.23 | 1.14 | 3.74 | 91 |
| | | | **SAKAI AMERICA, INC.** | | | | | | | | | |
| | R50SI024 | TW350 Combo | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 1.5 TON, 39.5" WIDE, 2X1, ASPHALT COMPACTOR | 28 HP D-off | | $32,264 | 10.43 | 1.95 | 2.95 | 0.47 | 1.38 | 25 |
| | R50SI025 | TW500 Combo | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 3.9 TON, 51" WIDE, 2X1, ASPHALT COMPACTOR | 30 HP D-off | | $61,518 | 18.24 | 3.75 | 5.69 | 0.90 | 1.48 | 36 |
| | R50SI006 | SV200D | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 4.6 TON, 49" WIDE, 3X2, SOIL COMPACTOR | 61 HP D-off | | $68,709 | 22.28 | 4.15 | 6.30 | 1.00 | 3.00 | 41 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *R50* | | | *SAKAI AMERICA, INC. (continued)* | | | | | | | | | | |
| | R50SI007 | SV200T (PADS) | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 4.8 TON, 49" WIDE, 3X2, SOIL COMPACTOR | 57 HP | D-off | | $75,059 | 23.68 | 4.55 | 6.90 | 1.10 | 2.80 | 43 |
| | R50SI022 | SV400D | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 7.7 TON, 67" WIDE, 3X2, SOIL COMPACTOR | 138 HP | D-off | | $95,095 | 34.48 | 5.79 | 8.80 | 1.39 | 6.79 | 156 |
| | R50SI026 | TW750 Combo | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 8.7 TON, 66" WIDE, 2X1, ASPHALT COMPACTOR | 104 HP | D-off | | $122,089 | 39.20 | 7.48 | 11.37 | 1.79 | 5.11 | 100 |
| | R50SI023 | SV400TB (PADS) | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 9.6 TON, 67" WIDE, 3X2, SOIL COMPACTOR | 82 HP | D-off | | $107,124 | 33.79 | 6.54 | 9.93 | 1.57 | 4.03 | 72 |
| | R50SI027 | TW100 Combo | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 11.4 TON, 85" WIDE, 2X1, ASPHALT COMPACTOR | 86 HP | D-off | | $180,450 | 53.27 | 11.06 | 16.84 | 2.64 | 4.23 | 221 |
| | R50SI013 | SV510D-1E | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 11.5 TON, 84" WIDE, 3X2, SOIL COMPACTOR | 138 HP | D-off | | $111,369 | 38.79 | 6.75 | 10.24 | 1.63 | 6.79 | 507 |
| | R50SI016 | SV510T (PADS) | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 11.9 TON, 60" WIDE, 3X2, SOIL COMPACTOR | 118 HP | D-off | | $119,710 | 39.59 | 7.26 | 11.02 | 1.75 | 5.80 | 110 |
| | R50SI017 | SV510TF (PADS) | ROLLER, VIBRATORY, SELF-PROPELLED, SINGLE DRUM, SMOOTH, 14.3 TON, 85" WIDE, 3X2, SOIL COMPACTOR | 118 HP | D-off | | $136,796 | 44.07 | 8.31 | 12.62 | 2.00 | 5.80 | 131 |
| **R55** | **ROOFING EQUIPMENT** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ROOFING EQUIPMENT** | | | | | | | | | | |
| | | | **AEROIL PRODUCTS COMPANY, INC.** | | | | | | | | | | |
| | R55AE001 | EZ LOAD 270 | ROOFING EQUIPMENT, KETTLE, 270 GAL, W/PUMP, TRAILER MTD | 8 HP | G | | $6,575 | 6.40 | 0.54 | 0.90 | 0.09 | 0.79 | 20 |
| | R55AE002 | EZ LOAD 410 | ROOFING EQUIPMENT, KETTLE, 410 GAL, W/PUMP, TRAILER MTD | 8 HP | G | | $7,990 | 8.55 | 0.66 | 1.10 | 0.11 | 0.79 | 25 |
| | R55AE003 | EZ LOAD 680 | ROOFING EQUIPMENT, KETTLE, 680 GAL, W/PUMP, TRAILER MTD | 8 HP | G | | $10,761 | 11.03 | 0.88 | 1.46 | 0.15 | 0.79 | 39 |
| | R55AE004 | EZ LOAD 1000 | ROOFING EQUIPMENT, KETTLE, 1000 GAL, W/PUMP, TRAILER MTD | 8 HP | G | | $14,231 | 12.48 | 1.13 | 1.86 | 0.20 | 0.79 | 54 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *R55* | | | *AEROIL PRODUCTS COMPANY, INC. (continued)* | | | | | | | | | | |
| | R55AE008 | RHINO S PEELER | ROOFING EQUIPMENT, ROOF PEELER, 16" WIDE WALK BEHIND, POWERED WHEEL 2X2 | 8 HP | G | | $4,759 | 2.55 | 0.39 | 0.64 | 0.07 | 0.79 | 6 |
| | R55AE009 | MKI9 | ROOFING EQUIPMENT, 1-BLADE CUTTER, 3.75" DEEP WALK BEHIND (ADD BLADE COST) | 9 HP | G | | $1,727 | 1.69 | 0.14 | 0.24 | 0.02 | 0.89 | 2 |
| | R55AE010 | MK216R | ROOFING EQUIPMENT, 2-BLADE CUTTER, 3.75" DEEP WALK BEHIND (ADD BLADE COST) | 16 HP | G | | $3,175 | 3.06 | 0.28 | 0.45 | 0.05 | 1.58 | 3 |
| | R55AE011 | BUFFALO 800 | ROOFING EQUIPMENT, MATERIAL BUGGY, WALK BEHIND GRAVEL SPREADER, HOPPER 800 LBS, 8CF, 4X2 | 5 HP | G | | $3,246 | 1.67 | 0.24 | 0.38 | 0.05 | 0.50 | 4 |
| | | | **GARLOCK EQUIPMENT CO.** | | | | | | | | | | |
| | R55GL017 | | ROOFING EQUIPMENT, SUPER MINI SAW | 5 HP | G | | $1,857 | 1.24 | 0.16 | 0.26 | 0.03 | 0.50 | 2 |
| | R55GL016 | | ROOFING EQUIPMENT, DUST MASTER | 9 HP | G | | $5,483 | 2.90 | 0.47 | 0.78 | 0.08 | 0.89 | 3 |
| | R55GL011 | | ROOFING EQUIPMENT, DUAL BLADE CUTTER, 30" WIDTH, SELF PROPELLED (ADD BLADE COST) | 16 HP | G | | $6,228 | 4.03 | 0.53 | 0.88 | 0.09 | 1.58 | 4 |
| | R55GL018 | NO.12 | ROOFING EQUIPMENT, SCRATCHER | 5 HP | G | | $1,932 | 1.26 | 0.17 | 0.27 | 0.03 | 0.50 | 1 |
| | R55GL019 | NO. 30 | ROOFING EQUIPMENT, SCRATCHER | 8 HP | G | | $3,480 | 2.13 | 0.30 | 0.49 | 0.05 | 0.79 | 3 |
| | R55GL009 | | ROOFING EQUIPMENT, ROTARY PLANER, 12" WIDE PATH | 11 HP | G | | $2,282 | 2.07 | 0.19 | 0.32 | 0.03 | 1.04 | 2 |
| | R55GL008 | MODEL 86 | ROOFING EQUIPMENT, POWER SWEEPER, 42" WIDTH | 5 HP | G | | $2,736 | 1.52 | 0.22 | 0.36 | 0.04 | 0.50 | 2 |
| | R55GL015 | MODEL 1000 | ROOFING EQUIPMENT, HYDRAULIC HOIST, W/175' CABLE | 9 HP | G | | $8,632 | 3.89 | 0.73 | 1.22 | 0.12 | 0.89 | 8 |
| | R55GL007 | MODEL 1400 | ROOFING EQUIPMENT, HYDRAULIC SWING HOIST, W/275' CABLE | 18 HP | G | | $12,585 | 6.31 | 1.07 | 1.78 | 0.18 | 1.78 | 10 |
| | R55GL013 | MODEL 30 | ROOFING EQUIPMENT, KETTLE, 30 GAL | | | | $1,269 | 0.64 | 0.10 | 0.15 | 0.02 | 0.00 | 3 |
| | R55GL014 | MODEL 85 | ROOFING EQUIPMENT, KETTLE, 85 GAL, SKID | | | | $2,886 | 1.27 | 0.25 | 0.41 | 0.04 | 0.00 | 7 |
| | R55GL001 | MODEL 115 | ROOFING EQUIPMENT, KETTLE, 115 GAL | | | | $3,181 | 1.51 | 0.27 | 0.43 | 0.05 | 0.00 | 8 |
| | R55GL002 | MODEL 175 | ROOFING EQUIPMENT, KETTLE, 175 GAL, W/PUMP | 5 HP | G | | $9,123 | 4.04 | 0.76 | 1.26 | 0.13 | 0.50 | 17 |
| | R55GL012 | MODEL 300 | ROOFING EQUIPMENT, KETTLE, 300 GAL, W/PUMP | 9 HP | G | | $12,376 | 5.82 | 1.04 | 1.72 | 0.18 | 0.89 | 23 |
| | R55GL003 | MODEL 412 | ROOFING EQUIPMENT, KETTLE, 412 GAL, W/PUMP | 9 HP | G | | $12,643 | 5.87 | 1.04 | 1.72 | 0.18 | 0.89 | 30 |

## Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *R55* | | | *GARLOCK EQUIPMENT CO. (continued)* | | | | | | | | | |
| | R55GL004 | MODEL 612 | ROOFING EQUIPMENT, KETTLE, 612 GAL, W/PUMP | 9 HP G | | $14,761 | 6.81 | 1.23 | 2.04 | 0.21 | 0.89 | 40 |
| **S10** | **SCRAPERS, ELEVATING** | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **0 THRU 200 HP** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | S10CA001 | 613-C SERIES II | SCRAPER, ELEVATING LOADING, 11 CY, 13 TON, 4X2 - SINGLE POWERED | 175 HP D-off | | $244,953 | 66.15 | 12.88 | 18.95 | 3.40 | 8.60 | 335 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | S10JD001 | 762B | SCRAPER, ELEVATING LOADING, 11 CY, 13.8 TON, 4X2 - SINGLE POWERED | 180 HP D-off | | $243,286 | 65.79 | 12.80 | 18.86 | 3.37 | 8.85 | 370 |
| | **SUBCATEGORY 0.02** | | **OVER 200 HP** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | S10CA002 | 615-C SERIES II | SCRAPER, ELEVATING LOADING, 17 CY, 19 TON, 4X2 - SINGLE POWERED | 265 HP D-off | | $382,248 | 87.91 | 15.91 | 21.10 | 5.36 | 13.03 | 526 |
| | S10CA003 | 623-F | SCRAPER, ELEVATING LOADING, 23 CY, 25 TON, 4X2 - SINGLE POWERED | 365 HP D-off | | $548,624 | 122.69 | 22.97 | 30.56 | 7.69 | 17.95 | 695 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | S10JD002 | 862B | SCRAPER, ELEVATING LOADING, 18 CY, 20.4 TON, 4X2 - SINGLE POWERED | 268 HP D-off | | $372,671 | 83.96 | 15.64 | 20.84 | 5.22 | 13.18 | 482 |
| **S15** | **SCRAPERS, CONVENTIONAL** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **SCRAPERS, CONVENTIONAL** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | S15CA001 | 621-F | SCRAPER, CONVENTIONAL, STANDARD LOADING, 21 CY, 24 TON, 4X2 - SINGLE POWERED | 365 HP D-off | | $479,475 | 97.53 | 18.71 | 24.55 | 6.43 | 16.86 | 680 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | ENGINE HORSEPOWER - FUEL TYPE CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S15* | | | *CATERPILLAR INC. ( MACHINE DIVISION) (continued)* | | | | | | | | | |
| | S15CA002 | 631-E SERIES II | SCRAPER, CONVENTIONAL, STANDARD LOADING, 31 CY, 37.5 TON, 4X2 - SINGLE POWERED | 450 HP D-off | | $729,633 | 140.20 | 28.54 | 37.49 | 9.79 | 20.79 | 959 |
| | S15CA003 | 651-E | SCRAPER, CONVENTIONAL, STANDARD LOADING, 44 CY, 52 TON, 4X2 - SINGLE POWERED | 594 HP D-off | | $941,843 | 180.38 | 36.90 | 48.53 | 12.63 | 27.44 | 1,325 |
| **S20** | **SCRAPERS, TANDEM POWERED** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **SCRAPERS, TANDEM POWERED** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | S20CA001 | 627-F | SCRAPER, TANDEM POWERED, STANDARD LOADING, 21 CY, 24 TON, 4X4, D-9 ASSISTED LOADING | 330 HP D-off | 225 HP D-off | $551,601 | 124.85 | 21.60 | 28.40 | 7.40 | 26.46 | 791 |
| | S20CA002 | 627-F PP | SCRAPER, TANDEM POWERED, STANDARD LOADING, 20 CY, 24 TON, 4X4, PUSH-PULL | 330 HP D-off | 225 HP D-off | $560,556 | 126.06 | 21.96 | 28.87 | 7.52 | 26.46 | 824 |
| | S20CA003 | 637-E SERIES II | SCRAPER, TANDEM POWERED, STANDARD LOADING, 31 CY, 37.5 TON, 4X4, D-10 ASSISTED LOADING | 450 HP D-off | 250 HP D-off | $920,969 | 189.94 | 36.20 | 47.70 | 12.35 | 33.38 | 1,084 |
| | S20CA004 | 637-E SERIES II PP | SCRAPER, TANDEM POWERED, STANDARD LOADING, 31 CY, 37.5 TON, 4X4, PUSH-PULL | 450 HP D-off | 250 HP D-off | $959,705 | 195.18 | 37.75 | 49.76 | 12.87 | 33.38 | 1,117 |
| | S20CA005 | 657-E | SCRAPER, TANDEM POWERED, STANDARD LOADING, 44 CY, 52 TON, 4X4, D-11 ASSISTED LOADING | 550 HP D-off | 400 HP D-off | $1,136,478 | 233.09 | 44.90 | 59.31 | 15.24 | 45.29 | 1,519 |
| | S20CA006 | 657-E PP | SCRAPER, TANDEM POWERED, STANDARD LOADING, 44 CY, 52 TON, 4X4, PUSH-PULL | 550 HP D-off | 400 HP D-off | $1,204,371 | 248.22 | 47.42 | 62.53 | 16.15 | 45.29 | 1,594 |
| **S25** | **SCRAPERS, TRACTOR DRAWN** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **SCRAPERS, TRACTOR DRAWN** | | | | | | | | | |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | S25JD001 | 1510C | SCRAPER, TOWED, STANDARD LOADING, 11 CY, 17 TON, 2X0 (ADD 225 HP TRACTOR) | | | $39,032 | 8.48 | 1.68 | 2.29 | 0.53 | 0.00 | 164 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S25* | | | *DEERE & COMPANY (continued)* | | | | | | | | | |
| | S25JD002 | 1814C | SCRAPER, TOWED, STANDARD LOADING, 14 CY, 23 TON, 2X0 (ADD 360HP TRACTOR) | | | $49,581 | 10.62 | 2.10 | 2.84 | 0.68 | 0.00 | 193 |
| | | | **REYNOLDS INTERNATIONAL, L.P.** | | | | | | | | | |
| | S25RI001 | 14C | SCRAPER, TOWED, 10.7-14 CY, 15 TON, 10' CUT WIDTH (ADD 250 - 300 HP TRACTOR) | | | $36,934 | 7.69 | 1.65 | 2.29 | 0.50 | 0.00 | 136 |
| | S25RI002 | 17C | SCRAPER, TOWED, 13-17 CY, 17 TON, 12' CUT WIDTH (ADD 350 - 400 HP TRACTOR) | | | $41,812 | 8.43 | 1.88 | 2.61 | 0.57 | 0.00 | 170 |
| | | | **ROME PLOW CO.** | | | | | | | | | |
| | S25RM003 | R56H | SCRAPER, TOWED, 9-12 CY, 12.5 TON (ADD 150 HP TOWING UNIT) | | | $95,379 | 19.77 | 4.06 | 5.52 | 1.30 | 0.00 | 203 |
| | S25RM001 | R67H | SCRAPER, TOWED, 12-17 CY, 17 TON (ADD 150 HP TOWING UNIT) | | | $119,332 | 22.79 | 5.26 | 7.25 | 1.63 | 0.00 | 238 |
| | S25RM002 | R89H | SCRAPER, TOWED, 18-26 CY, 25 TON (ADD 300 HP TOWING UNIT) | | | $134,908 | 25.99 | 5.89 | 8.10 | 1.84 | 0.00 | 382 |
| **S30** | **SCREENING & CRUSHING PLANTS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **CONVEYORS** | | | | | | | | | |
| | | | **KOLBERG - PIONEER, INC** | | | | | | | | | |
| | S30KB034 | 12-3050 | SCREENING & CRUSHING PLANTS, FEEDER CONVEYOR, 30"X 50', 10 CY HOPPER & 8' FEED, 1,500 TPH | 15 HP E | | $44,489 | 9.78 | 2.51 | 3.85 | 0.58 | 0.79 | 15 |
| | S30KB035 | 12-3070 | SCREENING & CRUSHING PLANTS, FEEDER CONVEYOR, 30"X 70', 10 CY HOPPER & 8' FEED, 1,500 TPH | 20 HP E | | $49,505 | 11.22 | 2.73 | 4.18 | 0.64 | 1.05 | 18 |
| | S30KB036 | 12-3650 | SCREENING & CRUSHING PLANTS, FEEDER CONVEYOR, 36"X 50', 10 CY HOPPER & 8' FEED, 2,000 TPH | 20 HP E | | $47,798 | 10.83 | 2.69 | 4.13 | 0.62 | 1.05 | 16 |
| | S30KB041 | 12-3670 | SCREENING & CRUSHING PLANTS, FEEDER CONVEYOR, 36"X 70', 10 CY HOPPER & 8' FEED, 2,000 TPH | 25 HP E | | $53,739 | 12.47 | 2.97 | 4.54 | 0.70 | 1.32 | 19 |
| | S30KB001 | 13-2480 | SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 24" WIDE X 80' LONG, WHEEL MTD, 750 TPH | 15 HP E | | $28,560 | 6.71 | 1.60 | 2.46 | 0.37 | 0.79 | 14 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | ENGINE HORSEPOWER - FUEL TYPE CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S30* | | | *KOLBERG - PIONEER, INC (continued)* | | | | | | | | | | |
| | S30KB002 | 13-24100 | SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 24" WIDE X 100' LONG, WHEEL MTD, 750 TPH | 15 HP | E | | $31,346 | 7.28 | 1.75 | 2.68 | 0.41 | 0.79 | 18 |
| | S30KB003 | 13-3080 | SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 30" WIDE X 80' LONG, WHEEL MTD, 1500 TPH | 25 HP | E | | $30,358 | 7.88 | 1.70 | 2.61 | 0.39 | 1.32 | 20 |
| | S30KB004 | 13-30100 | SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 30" WIDE X 100' LONG, WHEEL MTD, 1500 TPH | 25 HP | E | | $34,872 | 8.79 | 1.94 | 2.98 | 0.45 | 1.32 | 25 |
| | S30KB005 | 13-3680 | SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 36" WIDE X 80' LONG, WHEEL MTD, 2000 TPH | 30 HP | E | | $36,184 | 9.45 | 2.02 | 3.09 | 0.47 | 1.58 | 30 |
| | S30KB006 | 13-36100 | SCREENING & CRUSHING PLANTS, CONVEYOR, STACKING, 36" WIDE X 100' LONG, WHEEL MTD, 2000 TPH | 40 HP | E | | $42,164 | 11.42 | 2.36 | 3.62 | 0.55 | 2.11 | 38 |
| | S30KB007 | 31-2480 | SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 24" WIDE X 80' LONG, WHEEL MTD, 750 TPH | 15 HP | E | | $31,606 | 7.43 | 1.65 | 2.48 | 0.41 | 0.79 | 22 |
| | S30KB008 | 31-24100 | SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 24" WIDE X 100' LONG, WHEEL MTD, 750 TPH | 15 HP | E | | $37,384 | 8.53 | 1.99 | 2.99 | 0.49 | 0.79 | 27 |
| | S30KB009 | 31-24125 | SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 24" WIDE X 125' LONG, WHEEL MTD, 750 TPH | 20 HP | E | | $39,867 | 9.46 | 2.11 | 3.17 | 0.52 | 1.05 | 33 |
| | S30KB010 | 31-3080 | SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 30" WIDE X 80' LONG, WHEEL MTD, 1500 TPH | 25 HP | E | | $33,435 | 8.66 | 1.74 | 2.61 | 0.43 | 1.32 | 32 |
| | S30KB011 | 31-30100 | SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 30" WIDE X 100' LONG, WHEEL MTD, 1500 TPH | 25 HP | E | | $40,949 | 10.09 | 2.17 | 3.27 | 0.53 | 1.32 | 39 |
| | S30KB012 | 31-30125 | SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 30" WIDE X 125' LONG, WHEEL MTD, 1500 TPH | 30 HP | E | | $47,873 | 11.82 | 2.56 | 3.88 | 0.62 | 1.58 | 47 |
| | S30KB013 | 31-3680 | SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 36" WIDE X 80' LONG, WHEEL MTD, 2000 TPH | 30 HP | E | | $39,262 | 10.17 | 2.07 | 3.12 | 0.51 | 1.58 | 42 |
| | S30KB014 | 31-36100 | SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 36" WIDE X 100' LONG, WHEEL MTD, 2000 TPH | 40 HP | E | | $48,296 | 12.73 | 2.59 | 3.91 | 0.63 | 2.11 | 59 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S30* | | | *KOLBERG - PIONEER, INC (continued)* | | | | | | | | | | |
| | S30KB015 | 31-36125 | SCREENING & CRUSHING PLANTS, CONVEYOR, SIDE FOLDING STACKER, 36" WIDE X 125' LONG, WHEEL MTD, 2000 TPH | 50 HP | E | | $58,158 | 15.42 | 3.15 | 4.78 | 0.76 | 2.63 | 70 |
| | S30KB018 | 35-24150 | SCREENING & CRUSHING PLANTS, CONVEYOR, FIXED HEIGHT STACKER, 24"W X 150' L, WHEEL MTD, 750 TPH | 25 HP | E | | $84,544 | 18.18 | 4.80 | 7.39 | 1.10 | 1.32 | 39 |
| | S30KB021 | 35-30150 | SCREENING & CRUSHING PLANTS, CONVEYOR, FIXED HEIGHT STACKER, 30"W X 150' LONG, WHEEL MTD, 1500 TPH | 40 HP | E | | $99,366 | 22.24 | 5.64 | 8.70 | 1.29 | 2.11 | 56 |
| | S30KB024 | 35-36150 | SCREENING & CRUSHING PLANTS, CONVEYOR, FIXED HEIGHT STACKER, 36" WIDE X 150' LONG, WHEEL MTD, 2000 TPH | 60 HP | E | | $116,526 | 27.13 | 6.62 | 10.22 | 1.51 | 3.16 | 84 |
| | S30KB025 | 36-24100 | SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 24" WIDE X 100' LONG, WHEEL MTD, 750 TPH | 20 HP | E | | $59,980 | 13.13 | 3.36 | 5.16 | 0.78 | 1.05 | 52 |
| | S30KB026 | 36-24120 | SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 24" WIDE X 120' LONG, WHEEL MTD, 750 TPH | 20 HP | E | | $71,381 | 15.28 | 4.02 | 6.17 | 0.93 | 1.05 | 57 |
| | S30KB027 | 36-24150 | SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 24" WIDE X 150' LONG, WHEEL MTD, 750 TPH | 25 HP | E | | $90,288 | 19.25 | 5.12 | 7.90 | 1.17 | 1.32 | 65 |
| | S30KB028 | 36-30100 | SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 30" WIDE X 100' LONG, WHEEL MTD, 1500 TPH | 30 HP | E | | $62,292 | 14.41 | 3.49 | 5.35 | 0.81 | 1.58 | 64 |
| | S30KB029 | 36-30120 | SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 30" WIDE X 120' LONG, WHEEL MTD, 1500 TPH | 30 HP | E | | $83,956 | 18.49 | 4.73 | 7.28 | 1.09 | 1.58 | 71 |
| | S30KB030 | 36-30150 | SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 30" WIDE X 150' LONG, WHEEL MTD, 1500 TPH | 40 HP | E | | $106,402 | 23.56 | 6.05 | 9.33 | 1.38 | 2.11 | 82 |
| | S30KB031 | 36-36100 | SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 36" WIDE X 100' LONG, WHEEL MTD, 2000 TPH | 50 HP | E | | $88,711 | 21.02 | 5.01 | 7.71 | 1.15 | 2.63 | 82 |
| | S30KB032 | 36-36120 | SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 36" WIDE X 120' LONG, WHEEL MTD,2,000 TPH | 50 HP | E | | $106,837 | 24.48 | 6.06 | 9.33 | 1.39 | 2.63 | 93 |
| | S30KB033 | 36-36150 | SCREENING & CRUSHING PLANTS, CONVEYOR, ADJUSTABLE HEIGHT RADIAL STACKER, 36" WIDE X 150' LONG, WHEEL MTD,2,000 TPH | 60 HP | E | | $124,801 | 28.69 | 7.11 | 10.97 | 1.62 | 3.16 | 110 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S30* | | | *KOLBERG - PIONEER, INC (continued)* | | | | | | | | | | |
| | S30KB042 | 1430-15 | SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 30" WIDE X 40' LONG CONVEYOR, 1500 TPH | 25 HP | E | | $60,702 | 13.63 | 3.45 | 5.32 | 0.79 | 1.32 | 18 |
| | S30KB054 | 1936-2 | SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 30" WIDE X 40' LONG CONVEYOR, 1500 TPH | 25 HP | E | | $60,702 | 13.68 | 3.41 | 5.24 | 0.79 | 1.32 | 18 |
| | S30KB053 | 1436-25 | SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 36" WIDE X 40' LONG CONVEYOR, 2000 TPH | 35 HP | E | | $66,734 | 15.59 | 3.80 | 5.85 | 0.87 | 1.84 | 20 |
| | S30KB043 | 1936-3 | SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 36" WIDE X 40' LONG CONVEYOR, 2000 TPH | 35 HP | E | | $66,734 | 15.64 | 3.76 | 5.77 | 0.87 | 1.84 | 20 |
| | S30KB044 | 1936-4 | SCREENING & CRUSHING PLANTS, SURGE BIN, 25CY, BELT FEEDER, & 36" WIDE X 40' LONG CONVEYOR, 2000 TPH | 35 HP | E | | $66,734 | 15.64 | 3.76 | 5.77 | 0.87 | 1.84 | 20 |
| | | | **PUTZMEISTER INC.** | | | | | | | | | | |
| | S30PU001 | TELEBELT TB 50 | SCREENING & CRUSHING PLANTS, CONVEYOR, 16" WIDE X 50' LONG, 80 CY/HR, 1 CY HOPPER & TREMIE, 2X4, TRUCK MTD | 215 HP | D-off | | $212,682 | 54.70 | 12.16 | 18.79 | 2.76 | 10.57 | 201 |
| | S30PU002 | TELEBELT TB 80 | SCREENING & CRUSHING PLANTS, CONVEYOR, 18" WIDE X 80' LONG, 360 CY/HR, 3 CY HOPPER & TREMIE, 4X6, TRUCK MTD | 350 HP | D-off | | $313,756 | 83.01 | 17.92 | 27.67 | 4.08 | 17.21 | 332 |
| | S30PU003 | TELEBELT TB 105 | SCREENING & CRUSHING PLANTS, CONVEYOR, 18" WIDE X 105' LONG, 360CY/HR, 3 CY HOPPER & TREMIE, 4X8, TRUCK MTD | 350 HP | D-off | | $475,955 | 113.62 | 27.27 | 42.15 | 6.19 | 17.21 | 592 |
| | | | **TELSMITH INC.** | | | | | | | | | | |
| | S30TS001 | PTC 24IN X 50FT | SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 24" WIDE X 50' LONG, WHEEL MTD, 750 TPH | 10 HP | E | | $37,128 | 7.96 | 2.09 | 3.22 | 0.48 | 0.53 | 10 |
| | S30TS002 | PTC 24IN X 70FT | SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 24" WIDE X 70' LONG, WHEEL MTD, 750 TPH | 15 HP | E | | $41,363 | 9.19 | 2.33 | 3.57 | 0.54 | 0.79 | 13 |
| | S30TS003 | PTC 30IN X 50FT | SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 30" WIDE X 50' LONG, WHEEL MTD, 1500 TPH | 10 HP | E | | $39,055 | 8.33 | 2.20 | 3.37 | 0.51 | 0.53 | 12 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S30* | | | *TELSMITH INC. (continued)* | | | | | | | | | | |
| | S30TS004 | PTC 30IN X 70FT | SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 30" WIDE X 70' LONG, WHEEL MTD, 1500 TPH | 20 HP | E | | $44,004 | 10.12 | 2.47 | 3.79 | 0.57 | 1.05 | 17 |
| | S30TS005 | PTC 36IN X 50FT | SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 36" WIDE X 50' LONG, WHEEL MTD, 2000 TPH | 20 HP | E | | $41,421 | 9.61 | 2.33 | 3.57 | 0.54 | 1.05 | 19 |
| | S30TS006 | PTC 36IN X 70FT | SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 36" WIDE X 70' LONG, WHEEL MTD, 2000 TPH | 20 HP | E | | $47,248 | 10.76 | 2.64 | 4.06 | 0.61 | 1.05 | 26 |
| | S30TS007 | PTC 42IN X 50FT | SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 42" WIDE X 50' LONG, WHEEL MTD, 3000 TPH | 20 HP | E | | $41,978 | 9.75 | 2.36 | 3.61 | 0.55 | 1.05 | 25 |
| | S30TS008 | PTC 42IN X 70FT | SCREENING & CRUSHING PLANTS, CONVEYOR, TRUSS FRAME, 42" WIDE X 70' LONG, WHEEL MTD, 3000 TPH | 25 HP | E | | $48,796 | 11.51 | 2.72 | 4.18 | 0.63 | 1.32 | 25 |
| | **SUBCATEGORY 0.20** | | **CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR** | | | | | | | | | | |
| | | | **HEWITT-ROBINS** | | | | | | | | | | |
| | S30HW001 | MODEL 13654V | SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 36"X54", SINGLE ROTOR, 250 TPH, W/ 3' X 16' FEEDER/ 4' GRIZZLY/ 24" X 8' REJECTION CONVEYOR/ & 36" X 37' DISCHARGE END DELIVERY CONVEYOR, TRAILER MTD (ADD 250 KW GENERATOR) | 250 HP | E | | $281,346 | 48.70 | 8.35 | 9.89 | 3.40 | 13.16 | 804 |
| | S30HW002 | MODEL 14866V | SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 48"X66" SINGLE ROTOR, 350 TPH, W/ 4'X16' FEEDER/ 6' GRIZZLY/ 30" X 9.5' REJECTION CONVEYOR/ & 48" X43' DISCHARGE END DELIVERY CONVEYOR, TRAILER MTD (ADD 350 KW GENERATOR) | 350 HP | E | | $379,275 | 66.74 | 11.26 | 13.36 | 4.58 | 18.43 | 1,280 |
| | S30HW013 | MODEL H4832S | SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, SECONDARY, 48"X32" HAMMERMILL, 500 TPH, W/ 3' X 37' FEED CONVEYOR/ 5' X 16' VIBRATORY HORIZONTAL TRIPLE DECK SCREEN/ 36"X30' RETURN CONVEYOR/ & ROTOR LIFT, TRAILER MTD (ADD 450 KW GENERATOR) | 450 HP | E | | $339,760 | 70.72 | 10.10 | 12.00 | 4.10 | 23.69 | 600 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **KOLBERG - PIONEER, INC** | | | | | | | | | | |
| | S30KB045 | CS-4250 | SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 42"X52", 500 TPH, W/ 18' X 42" VIBRATORY FEEDER/ ADJUSTABLE GRIZZLY/ & BYPASS FEED, TRAILER MTD | 360 HP | D-off | | $411,450 | 64.42 | 12.28 | 14.61 | 4.97 | 17.70 | 548 |
| | | | **TELSMITH INC.** | | | | | | | | | | |
| | S30TS009 | 4246 | SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 600 TPH | 300 HP | E | | $250,138 | 51.79 | 7.52 | 9.00 | 3.02 | 15.80 | 595 |
| | S30TS010 | 4856 | SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 1100 TPH | 400 HP | E | | $370,957 | 72.65 | 11.16 | 13.35 | 4.48 | 21.06 | 942 |
| | S30TS011 | 6071 | SCREENING & CRUSHING PLANTS, CRUSHER - SHAFT IMPACTOR, 2100 TPH | 800 HP | E | | $620,706 | 133.62 | 18.68 | 22.35 | 7.50 | 42.12 | 1,950 |
| | **SUBCATEGORY 0.21** | | **CRUSHERS - CONE** | | | | | | | | | | |
| | | | **KOLBERG - PIONEER, INC** | | | | | | | | | | |
| | S30KB046 | 1200 LS | SCREENING & CRUSHING PLANTS, CRUSHERS - CONE, SECONDARY, 120 TPH @ 3/8" -> 250 TPH @ 1", 42"X50" IMPACT CRUSHER, W/ HOPPER/ & 36" X 32' END DELIVERY CONVEYOR, TRAILER MTD (ADD 210KW GENERATOR) | 210 HP | E | | $410,327 | 61.51 | 12.27 | 14.62 | 4.96 | 11.06 | 550 |
| | S30KB047 | 1400 LS | SCREENING & CRUSHING PLANTS, CRUSHERS - CONE, SECONDARY PLANT, 42"X 50" IMPACT CRUSHER, 630 TPH @ 1" ->1050 TPH @ 2.5", W/ HOPPER/ & 42" X 32' END DELIVERY CONVEYOR, TRAILER MTD (ADD 315KW GENERATOR) | 315 HP | E | | $349,187 | 63.63 | 10.43 | 12.41 | 4.22 | 16.58 | 950 |
| | **SUBCATEGORY 0.22** | | **CRUSHERS - JAW** | | | | | | | | | | |
| | | | **HEWITT-ROBINS** | | | | | | | | | | |
| | S30HW005 | MODEL J1524PF | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 15"X24", 21 TPH @ 1" -> 54 TPH @ 3", W/2.5' X 8' FEEDER/ 2' GRIZZLY/ & 24" X 20' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR) | 40 HP | E | | $152,201 | 16.08 | 4.51 | 5.33 | 1.84 | 2.11 | 86 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S30* | | | *HEWITT-ROBINS (continued)* | | | | | | | | | | |
| | S30HW006 | MODEL J1536V | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 15"X36", 45 TPH @1.5" -> 150 TPH @ 6", W/ 3' X 14' FEEDER/ 4' GRIZZLY/ & 30" X 31' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR) | 100 HP | E | | $253,436 | 29.10 | 7.55 | 8.97 | 3.06 | 5.27 | 128 |
| | S30HW007 | MODEL J2036V | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 20" X 36", 65 TPH @ 2" -> 223 TPH @ 7", W/ 3' X 14' FEEDER/ 4' GRIZZLY/ & 30" X 31' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR) | 125 HP | E | | $275,467 | 32.89 | 8.21 | 9.76 | 3.33 | 6.58 | 128 |
| | S30HW009 | MODEL J2142V | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 21" X 42", 183 TPH @ 4" -> 345 TPH @ 8", W/ 3.5' X 16' FEEDER/ 4' GRIZZLY/ & 36" X 34' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR) | 150 HP | E | | $298,415 | 37.14 | 8.86 | 10.52 | 3.60 | 7.90 | 152 |
| | S30HW011 | MODEL J2248V | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 22" X 48", 115 TPH @ 2.5" -> 240 TPH @ 6", W/ 4' X 16' FEEDER/ 4' GRIZZLY/ & 48" X 37' END DELIVERY CONVEYOR (ADD 40 KW GENERATOR) | 200 HP | E | | $356,596 | 46.13 | 10.60 | 12.57 | 4.31 | 10.53 | 168 |
| | S30HW008 | MODEL J2436V | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 24" X 36", 95 TPH @ 2.5" -> 230 TPH @ 6", W/ 3' X 14' FEEDER/ 4' GRIZZLY/ & 30" X 31' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR) | 125 HP | E | | $287,832 | 33.88 | 8.59 | 10.21 | 3.48 | 6.58 | 128 |
| | S30HW010 | MODEL J3042V | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 30" X 42", 200 TPH @ 4" -> 390 TPH @ 8", W/3.5' X 16' FEEDER/ 6' GRIZZLY/ & 36" X 55' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR) | 200 HP | E | | $363,782 | 46.54 | 10.82 | 12.86 | 4.39 | 10.53 | 156 |
| | S30HW012 | MODEL J3048V | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 30" X 48", 340 TPH @ 5" -> 615 TPH @ 10", W/ 4' X 16' FEEDER/ 4' GRIZZLY/ & 48" X 37' END DELIVERY CONVEYOR, TRAILER MTD (ADD 40 KW GENERATOR) | 200 HP | E | | $421,616 | 51.48 | 12.54 | 14.89 | 5.09 | 10.53 | 168 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **KOLBERG - PIONEER, INC** | | | | | | | | | | |
| | S30KB055 | CS-1536 | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 15" X 36", 45 TPH @ 1.5" -> 150 TPH @ 6", W/ 36"' X 14' VIBRATING FEEDER/ ADJUSTABLE GRIZZLY & BYPASS/ HOPPER/ & 36" X 22' END DELIVERY CONVEYOR, TRAILER MTD, INCLUDES GENERATOR | 180 HP | D-off | | $288,977 | 35.64 | 8.62 | 10.25 | 3.49 | 8.85 | 548 |
| | S30KB058 | 1524-2416 DUPLEX PL | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 15" X 36", 200 TPH @ 1/4" -> 250 TPH @ 6", W/ 36" X 14' VIBRATING FEEDER/ ADJUSTABLE GRIZZLY & BYPASS/ HOPPER/ SCREEN CONVEYOR/ & TRIPLE VIBRATORY SCREENS, TRAILER MTD (ADD 250KW GENERATOR & WATER TANK) | 250 HP | E | | $292,830 | 44.44 | 8.76 | 10.43 | 3.54 | 13.16 | 391 |
| | S30KB056 | CS-2036 | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 20" X 36", 65 TPH @ 2" -> 223 TPH @ 7", W/ 36"' X 14' VIBRATING FEEDER/ ADJUSTABLE GRIZZLY & BYPASS/ HOPPER/ & 36" X 22' END DELIVERY CONVEYOR, TRAILER MTD, INCLUDES GENERATOR | 180 HP | D-off | | $297,520 | 36.32 | 8.87 | 10.56 | 3.59 | 8.85 | 590 |
| | S30KB059 | 2036-3024 DUPLEX PL | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 20" X 36", 270 TPH @ 1/4" -> 320 TPH @ 7", W/ 36" X 14' RECIPROCATING PLATE FEEDER/ 12' LONG ADJUSTABLE GRIZZLY & BYPASS/ HOPPER/ & 18" X 15' SCREEN CONVEYOR, TRAILER MTD (ADD 300KW GENERATOR) | 300 HP | E | | $460,988 | 62.24 | 13.78 | 16.41 | 5.57 | 15.80 | 415 |
| | S30KB057 | CS-2436 | SCREENING & CRUSHING PLANTS, JAW CRUSHER, 24" X 36", 95 TPH @ 2.5" -> 230 TPH @ 6", W/ 36"' X 16' VIBRATING FEEDER/ ADJUSTABLE GRIZZLY & BYPASS/ HOPPER/ & 36" X 22' END DELIVERY CONVEYOR, TRAILER MTD, INCLUDES GENERATOR | 223 HP | D-off | | $336,942 | 42.31 | 10.06 | 11.98 | 4.07 | 10.96 | 701 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.30** | | **SCREENING PLANT** | | | | | | | | | | |
| | | | **HEWITT-ROBINS** | | | | | | | | | | |
| | S30HW014 | V-11 6X16FT, DD | SCREENING & CRUSHING PLANTS, SCREENING PLANT, 6' X 16' VIBRATORY SLOPE DOUBLE DECK SCREENS, W/ 36" X 16.5' UNDER SCREEN CONVEYOR/ 7 CY HOPPER/ & FEEDER, TRAILER MTD | 15 HP | E | | $110,343 | 23.46 | 6.29 | 9.72 | 1.43 | 0.79 | 101 |
| | S30HW016 | V-11 6X20FT, DD | SCREENING & CRUSHING PLANTS, SCREENING PLANT, 6' X 20' VIBRATORY SLOPE DOUBLE DECK SCREENS, W/ 36" X 16.5' UNDER SCREEN CONVEYOR/ 7 CY HOPPER/ & FEEDER, TRAILER MTD | 20 HP | E | | $114,700 | 24.74 | 6.55 | 10.11 | 1.49 | 1.05 | 115 |
| | S30HW015 | V-11 6X16FT, TD | SCREENING & CRUSHING PLANTS, SCREENING PLANT, 6' X 16' VIBRATORY SLOPE TRIPLE DECK SCREENS W/ 36" X 16.5' UNDER SCREEN CONVEYOR/ 7 CY HOPPER/ & FEEDER, TRAILER MTD | 25 HP | E | | $121,070 | 26.43 | 6.91 | 10.68 | 1.57 | 1.32 | 138 |
| | S30HW017 | V-11 6X20FT, TD | SCREENING & CRUSHING PLANTS, SCREENING PLANT, 6' X 20' VIBRATORY SLOPE TRIPLE DECK SCREENS W/ 36" X 16.5' UNDER SCREEN CONVEYOR/ 7 CY HOPPER/ & FEEDER, TRAILER MTD, | 25 HP | E | | $123,050 | 26.83 | 7.03 | 10.86 | 1.60 | 1.32 | 167 |
| | S30HW018 | V-11 8X20FT, TD | SCREENING & CRUSHING PLANTS, SCREENING PLANT, 8' X 20' VIBRATORY SLOPE TRIPLE DECK SCREENS, W/ 48" X 15.5' UNDER SCREEN CONVEYOR/ 7 CY HOPPER/ & FEEDER, TRAILER MTD | 40 HP | E | | $146,383 | 32.91 | 8.27 | 12.74 | 1.90 | 2.11 | 243 |
| | | | **KOLBERG - PIONEER, INC** | | | | | | | | | | |
| | S30KB048 | 616 E-3 | SCREENING & CRUSHING PLANTS, SCREENING PLANT, 6' X 16', VIBRATORY SLOPE TRIPLE DECK SCREENS, W/ HOPPER/ 36" X 28.5' FEEDER CONVEYOR/ 36" X18' UNDER SCREEN CONVEYOR/ & 24" X 20' SIDE DELIVERY CONVEYOR, TRAILER MTD | 80 HP | E | | $136,074 | 34.02 | 7.76 | 11.98 | 1.77 | 4.21 | 280 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S30* | | | *KOLBERG - PIONEER, INC (continued)* | | | | | | | | | | |
| | S30KB049 | 620 E-3 | SCREENING & CRUSHING PLANTS, SCREENING PLANT, 6' X 20' VIBRATORY SLOPE TRIPLE DECK SCREENS, W/ HOPPER/ 42" X 34' FEEDER CONVEYOR/ 60" X 25' UNDER SCREEN CONVEYOR/ & 30" X 15' SIDE DELIVERY CONVEYOR, TRAILER MTD | 90 HP | E | | $139,211 | 36.75 | 7.52 | 11.41 | 1.81 | 4.74 | 355 |
| | S30KB050 | 1822 | SCREENING & CRUSHING PLANTS, WASHING/SCREENING PLANT, 6' X 16' VIBRATORY SLOPE TRIPLE DECK SCREENS, W/ HOPPER / 3 PRODUCT CHUTES/ ONE FINES CHUTE TO 8' X 32' CLASSIFYING TANK/ 36" DIA X 32' SLOPED SCREW & CHUTE, TRAILER MTD (ADD WATER & FEEDER) | 250 HP | E | | $186,536 | 57.97 | 10.69 | 16.54 | 2.42 | 13.16 | 416 |
| | S30KB051 | 1830 | SCREENING & CRUSHING PLANTS, WASHING/SCREENING PLANT, 6' X 20' VIBRATORY SLOPED TRIPLE DECK SCREENS, W/ HOPPER/ 3 PRODUCT CHUTES/ ONE FINES CHUTE/ 8' X 32' CLASSIFYING TANK/ & 44" DIA X 32' SLOPED SCREW & CHUTE, TRAILER MTD (ADD WATER & FEEDER) | 250 HP | E | | $238,095 | 68.29 | 13.68 | 21.18 | 3.09 | 13.16 | 420 |
| | S30KB052 | 7208-32 S/P | SCREENING & CRUSHING PLANTS, CLASSIFYING PLANT (SAND SORT) 8'WX32'L TANK & 44" DIA SCREW,ADD | 250 HP | E | | $237,964 | 68.22 | 13.72 | 21.25 | 3.09 | 13.16 | 450 |
| | | | **METSO MINERALS** | | | | | | | | | | |
| | S30RA002 | CV 50D | SCREENING & CRUSHING PLANTS, GRIZZLY-SINGLE SCREEN, 120 CY/HR, TRAILER MTD | 25 HP | D-off | | $52,701 | 12.24 | 3.01 | 4.65 | 0.68 | 1.23 | 130 |
| | S30RA003 | CV 90D | SCREENING & CRUSHING PLANTS, GRIZZLY-SINGLE SCREEN, 200 CY/HR, TRAILER MTD | 49 HP | D-off | | $98,421 | 23.05 | 5.62 | 8.68 | 1.28 | 2.41 | 195 |
| **S35** | **SNOW REMOVAL EQUIPMENT** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **SNOW REMOVAL EQUIPMENT** | | | | | | | | | | |
| | | | **AMERICAN ROAD MACHINERY, INC.** | | | | | | | | | | |
| | S35AR001 | 112 | SNOW REMOVAL EQUIPMENT, SNOW PLOW, REVERSIBLE (ADD DUMP TRUCK) | | | | $2,774 | 0.66 | 0.18 | 0.28 | 0.04 | 0.00 | 15 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S35* | | | *AMERICAN ROAD MACHINERY, INC. (continued)* | | | | | | | | | |
| | S35AR002 | 713 | SNOW REMOVAL EQUIPMENT, SNOW PLOW, 1-WAY TRIP (ADD DUMP TRUCK) | | | $4,213 | 0.99 | 0.27 | 0.42 | 0.06 | 0.00 | 20 |
| **S40** | **SOIL & ROAD STABILIZERS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **SOIL & ROAD STABILIZERS** | | | | | | | | | |
| | | | **COMPACTION AMERICA** | | | | | | | | | |
| | S40BO002 | MPH-100 RECYCLER | SOIL & ROAD STABILIZER, 12" DEEP X 79" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2 | 360 HP D-off | | $301,572 | 85.74 | 16.19 | 24.02 | 4.18 | 19.31 | 339 |
| | S40BO003 | MPH-100 STABILIZER | SOIL & ROAD STABILIZER, 14" DEEP X 79" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2 | 360 HP D-off | | $307,057 | 86.82 | 16.49 | 24.46 | 4.26 | 19.31 | 339 |
| | S40BO004 | MPH-100 S-DM | SOIL & ROAD STABILIZER, 21" DEEP X 79" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2 | 360 HP D-off | | $292,119 | 83.88 | 15.69 | 23.27 | 4.05 | 19.31 | 339 |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | S40CA001 | RR-250 | SOIL & ROAD STABILIZER, 12" DEEP X 96" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2 | 335 HP D-off | | $310,598 | 85.71 | 16.68 | 24.74 | 4.31 | 17.97 | 357 |
| | S40CA002 | SS-250 | SOIL & ROAD STABILIZER, 18" DEEP X 96" WIDE, HYDROSTATIC RECLAIMER/ SOIL STABILIZER, 4X2 | 335 HP D-off | | $283,096 | 80.76 | 15.06 | 22.26 | 3.93 | 17.97 | 331 |
| **S45** | **SPLITTERS, ROCK & CONCRETE** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **SPLITTERS, ROCK & CONCRETE** | | | | | | | | | |
| | | | **ELCO INTERNATIONAL INC.** | | | | | | | | | |
| | S45DA004 | 02-2 | SPLITTER, ROCK & CONCRETE, 220 TON SFORCE, 1-3/4" DIA, SIZE 2, 5 GAL, 12" DEEP HOLE REQ'D (ADD 80CFM COMPRESSOR) | 80 CFM A | | $11,774 | 4.37 | 0.96 | 1.57 | 0.17 | 0.00 | 1 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S45* | | | *ELCO INTERNATIONAL INC. (continued)* | | | | | | | | | |
| | S45DA005 | 02-9 | SPLITTER, ROCK & CONCRETE, 220 TON SFORCE, 1-3/4" DIA, SIZE 9, 5 GAL, 18" DEEP HOLE REQ'D (ADD 80CFM COMPRESSOR) | 80 CFM A | | $15,051 | 5.53 | 1.23 | 2.01 | 0.22 | 0.00 | 1 |
| | S45DA007 | 02-12 | SPLITTER, ROCK & CONCRETE, 385 TON SFORCE, 1-3/4" DIA, SIZE 12, 5 GAL, 26" DEEP HOLE REQ'D (ADD 80CFM COMPRESSOR) | 80 CFM A | | $15,682 | 5.74 | 1.28 | 2.09 | 0.23 | 0.00 | 1 |
| **T10** | **TRACTOR BLADES & ATTACHMENTS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **TRACTOR BLADES & ATTACHMENTS** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | T10CA001 | D3-61-9722 | TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D3, 1.65 CY (ADD D3 TRACTOR) | | | $11,789 | 2.32 | 0.63 | 0.94 | 0.16 | 0.00 | 22 |
| | T10CA002 | D3-PA 30B | TRACTOR ATTACHMENTS, POWER WINCH, W/ 250' CABLE, FOR D3 (ADD D3 TRACTOR) | | | $17,764 | 3.46 | 0.96 | 1.42 | 0.25 | 0.00 | 21 |
| | T10CA004 | D4-104-5683 | TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D4, 2.17 CY (ADD D4 TRACTOR) | | | $13,052 | 2.56 | 0.70 | 1.04 | 0.18 | 0.00 | 24 |
| | T10CA005 | D4-PA 30B | TRACTOR ATTACHMENTS, POWER WINCH, W/ 250' CABLE, FOR D4 (ADD D4 TRACTOR) | | | $17,764 | 3.46 | 0.96 | 1.42 | 0.25 | 0.00 | 21 |
| | T10CA007 | D5-A C | TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D5, 2.53 CY (ADD D5 TRACTOR) | | | $15,181 | 2.96 | 0.82 | 1.21 | 0.21 | 0.00 | 26 |
| | T10CA008 | D5-PA 30B | TRACTOR ATTACHMENTS, POWER WINCH, W/ CABLE, FOR D5 (ADD D5 TRACTOR) | | | $17,764 | 3.46 | 0.96 | 1.42 | 0.25 | 0.00 | 21 |
| | T10CA009 | D6-108-3970 | TRACTOR ATTACHMENTS, BLADE, STRAIGHT, HYDRAULIC, FOR D6, 5.09 CY (ADD D6 TRACTOR) | | | $23,949 | 4.64 | 1.29 | 1.92 | 0.33 | 0.00 | 58 |
| | T10CA010 | D6-108-3982 | TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D6, 4.16 CY (ADD D6 TRACTOR) | | | $22,369 | 4.34 | 1.21 | 1.79 | 0.31 | 0.00 | 60 |
| | T10CA011 | D6-PA56 WENCH | TRACTOR ATTACHMENTS, POWER WINCH, W/ CABLE, FOR D6 (ADD D6 TRACTOR) | | | $27,926 | 5.39 | 1.51 | 2.23 | 0.39 | 0.00 | 4 |
| | T10CA012 | D7-S | TRACTOR ATTACHMENTS, BLADE, STRAIGHT, HYDRAULIC, FOR D7, 6.75 CY (ADD D7 TRACTOR) | | | $36,772 | 7.08 | 1.98 | 2.94 | 0.51 | 0.00 | 77 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T10* | | | *CATERPILLAR INC. ( MACHINE DIVISION) (continued)* | | | | | | | | | |
| | T10CA013 | D7-U | TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D7, 10.09 CY (ADD D7 TRACTOR) | | | $40,363 | 7.77 | 2.18 | 3.23 | 0.56 | 0.00 | 86 |
| | T10CA014 | D7-A | TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D7, 5.08 CY (ADD D7 TRACTOR) | | | $33,539 | 6.47 | 1.81 | 2.68 | 0.47 | 0.00 | 78 |
| | T10CA015 | D7-PA57 WINCH | TRACTOR ATTACHMENTS, POWER WINCH, W/ CABLE, FOR D7 (ADD D7 TRACTOR) | | | $35,790 | 6.91 | 1.93 | 2.86 | 0.50 | 0.00 | 8 |
| | T10CA016 | D8-SU | TRACTOR ATTACHMENTS, BLADE, STRAIGHT, HYDRAULIC, FOR D8, 6.09 CY (ADD D8 TRACTOR) | | | $44,211 | 8.54 | 2.38 | 3.54 | 0.61 | 0.00 | 96 |
| | T10CA017 | D8-U | TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D8, 15.30 CY (ADD D8 TRACTOR) | | | $47,889 | 9.24 | 2.58 | 3.83 | 0.66 | 0.00 | 106 |
| | T10CA018 | D8-A | TRACTOR ATTACHMENTS, BLADE, POWER ANGLE, HYDRAULIC, FOR D8, 6.09 CY (ADD D8 TRACTOR) | | | $42,291 | 8.18 | 2.28 | 3.38 | 0.59 | 0.00 | 108 |
| | T10CA019 | | TRACTOR ATTACHMENTS, BLADE, PUSH PLATE, FOR D8 (ADD D8 TRACTOR) | | | $1,186 | 0.27 | 0.07 | 0.09 | 0.02 | 0.00 | 5 |
| | T10CA020 | D8, PA58VS WINCH | TRACTOR ATTACHMENTS, POWER WINCH, W/ CABLE, FOR D8 (ADD D8 TRACTOR) | | | $36,167 | 7.03 | 1.95 | 2.89 | 0.50 | 0.00 | 33 |
| | T10CA021 | D9-SU | TRACTOR ATTACHMENTS, BLADE, SEMI-U, HYDRAULIC, FOR D9, 17.70 CY (ADD D9 TRACTOR) | | | $64,988 | 12.56 | 3.50 | 5.20 | 0.90 | 0.00 | 145 |
| | T10CA022 | D9-U | TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D9, 21.40 CY (ADD D9 TRACTOR) | | | $70,545 | 13.62 | 3.80 | 5.64 | 0.98 | 0.00 | 158 |
| | T10CA023 | D9, PA59 WINCH | TRACTOR ATTACHMENTS, POWER WINCH, W/ CABLE, FOR D9 (ADD D9 TRACTOR) | | | $45,678 | 8.89 | 2.46 | 3.65 | 0.63 | 0.00 | 5 |
| | T10CA024 | D10-SU | TRACTOR ATTACHMENTS, BLADE, SEMI-U, HYDRAULIC, FOR D10, 24.20 CY (ADD D10 TRACTOR) | | | $90,072 | 17.43 | 4.86 | 7.21 | 1.25 | 0.00 | 244 |
| | T10CA025 | D10-U | TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D10, 28.70 CY (ADD D10 TRACTOR) | | | $97,297 | 18.81 | 5.24 | 7.78 | 1.35 | 0.00 | 270 |
| | T10CA026 | D11-SU | TRACTOR ATTACHMENTS, BLADE, STRAIGHT, HYDRAULIC, FOR D11, 35.50 CY (ADD D11 TRACTOR) | | | $138,770 | 26.81 | 7.47 | 11.10 | 1.92 | 0.00 | 367 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T10* | | | *CATERPILLAR INC. ( MACHINE DIVISION) (continued)* | | | | | | | | | |
| | T10CA027 | D11-U | TRACTOR ATTACHMENTS, BLADE, UNIVERSAL, HYDRAULIC, FOR D11, 45.00 CY (ADD D11 TRACTOR) | | | $149,892 | 28.95 | 8.08 | 11.99 | 2.08 | 0.00 | 423 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | T10JD001 | 915 V-RIPPER | TRACTOR ATTACHMENTS, DEEP TILLER, 5x7 V SHAPED, 175" WIDE, 7 SHANKS (ADD 200HP TRACTOR W/ PTO) | | | $10,349 | 2.23 | 0.54 | 0.80 | 0.14 | 0.00 | 17 |
| | | | **LELY PACIFIC, INC.** | | | | | | | | | |
| | T10LE001 | 200-15 | TRACTOR ATTACHMENTS, POWER HARROW, 80" WIDE ROTERRA ROTARY HOE (ADD 40 HP TRACTOR W/ PTO) | | | $6,962 | 1.58 | 0.38 | 0.56 | 0.10 | 0.00 | 13 |
| | T10LE002 | 250-15 | TRACTOR ATTACHMENTS, POWER HARROW, 100" WIDE ROTERRA ROTARY HOE (ADD 45 HP TRACTOR W/ PTO) | | | $7,866 | 1.75 | 0.43 | 0.63 | 0.11 | 0.00 | 15 |
| | T10LE003 | 300-20 | TRACTOR ATTACHMENTS, POWER HARROW, 120" WIDE ROTERRA ROTARY HOE (ADD 50 HP TRACTOR W/ PTO) | | | $8,516 | 1.87 | 0.46 | 0.68 | 0.12 | 0.00 | 17 |
| | T10LE004 | 350-35 | TRACTOR ATTACHMENTS, POWER HARROW, 140" WIDE ROTERRA ROTARY HOE (ADD 60 HP TRACTOR W/ PTO) | | | $14,525 | 3.01 | 0.78 | 1.16 | 0.20 | 0.00 | 27 |
| | T10LE005 | 400-35 | TRACTOR ATTACHMENTS, POWER HARROW, 160" WIDE ROTERRA ROTARY HOE (ADD 75 HP TRACTOR W/ PTO) | | | $16,206 | 3.33 | 0.87 | 1.30 | 0.22 | 0.00 | 29 |
| T15 | TRACTORS, CRAWLER (DOZER) (includes blade) | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **0 THRU 225 HP** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | T15CA002 | D-3C SERIES III LGP | TRACTOR, CRAWLER (DOZER), 70 HP, LOW GROUND PRESSURE, W/ 1.64 CY SEMI-U BLADE (ADD ATTACHMENTS) | 70 HP D-off | | $87,500 | 24.45 | 4.36 | 6.13 | 1.29 | 3.75 | 170 |
| | T15CA020 | D-4C SERIES III | TRACTOR, CRAWLER (DOZER), 80 HP, POWERSHIFT, W/ 2.18 CY SEMI-U BLADE (ADD ATTACHMENTS) | 80 HP D-off | | $90,768 | 25.94 | 4.52 | 6.35 | 1.34 | 4.29 | 161 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T15* | | | *CATERPILLAR INC. ( MACHINE DIVISION) (continued)* | | | | | | | | | | |
| | T15CA005 | D-4C SERIES III LGP | TRACTOR, CRAWLER (DOZER), 80 HP, LOW GROUND PRESSURE, W/ 2.18 CY SEMI-U BLADE (ADD ATTACHMENTS) | 80 HP | D-off | | $102,752 | 28.56 | 5.12 | 7.19 | 1.52 | 4.29 | 171 |
| | T15CA021 | D-5C SERIES III | TRACTOR, CRAWLER (DOZER), 90 HP, POWERSHIFT, W/ 2.50 CY POWER ANGLE BLADE (ADD ATTACHMENTS) | 90 HP | D-off | | $104,222 | 29.66 | 5.19 | 7.30 | 1.54 | 4.83 | 187 |
| | T15CA022 | D-5C SERIES III LGP | TRACTOR, CRAWLER (DOZER), 90 HP, LOW GROUND PRESSURE, W/ 2.50 CY POWER ANGLE BLADE (ADD ATTACHMENTS) | 90 HP | D-off | | $113,546 | 31.68 | 5.65 | 7.95 | 1.67 | 4.83 | 196 |
| | T15CA024 | D-5M XL | TRACTOR, CRAWLER (DOZER), 100 HP, POWERSHIFT, W/ 3.37 CY SEMI-U BLADE (ADD ATTACHMENTS) | 100 HP | D-off | | $144,023 | 39.06 | 7.16 | 10.08 | 2.12 | 5.36 | 270 |
| | T15CA008 | D-6M XL | TRACTOR, CRAWLER (DOZER), 140 HP, POWERSHIFT, W/ 5.60 CY SEMI-U BLADE (ADD ATTACHMENTS) | 140 HP | D-off | | $185,570 | 51.22 | 9.24 | 12.99 | 2.74 | 7.51 | 321 |
| | T15CA023 | D-6R | TRACTOR, CRAWLER (DOZER), 165 HP, LOW GROUND PRESSURE, POWERSHIFT, W/ 5.09 CY SEMI-U BLADE (ADD ATTACHMENTS) | 165 HP | D-off | | $207,237 | 57.87 | 10.32 | 14.51 | 3.06 | 8.85 | 409 |
| | T15CA009 | D-6R WHA | TRACTOR, CRAWLER (DOZER), 165 HP, W/ 14.3 CY BLADE, TRASH/WASTE HANDLING ARRANGEMENT | 165 HP | D-off | | $278,906 | 73.44 | 13.87 | 19.52 | 4.11 | 8.85 | 434 |
| | T15CA011 | D-6R LGP | TRACTOR, CRAWLER (DOZER), 165 HP, LOW GROUND PRESSURE, W/ 5.09 CY SEMI-U BLADE (ADD ATTACHMENTS) | 185 HP | D-off | | $246,094 | 67.87 | 12.25 | 17.23 | 3.63 | 9.92 | 364 |
| | | | **CASE CORPORATION** | | | | | | | | | | |
| | T15CS004 | 550H WT | TRACTOR, CRAWLER (DOZER), 67 HP, POWERSHIFT, W/ 1.90 CY UNIVERSAL BLADE (ADD ATTACHMENTS) | 67 HP | D-off | | $94,014 | 25.64 | 4.68 | 6.58 | 1.39 | 3.59 | 146 |
| | T15CS005 | 650H WT | TRACTOR, CRAWLER (DOZER), 80 HP, POWERSHIFT, W/ 2.50 CY UNIVERSAL BLADE (ADD ATTACHMENTS) | 75 HP | D-off | | $96,366 | 26.77 | 4.80 | 6.75 | 1.42 | 4.02 | 168 |
| | T15CS006 | 850H WT | TRACTOR, CRAWLER (DOZER), 89 HP, POWERSHIFT, W/ 2.60 CY UNIVERSAL BLADE (ADD ATTACHMENTS) | 91 HP | D-off | | $119,340 | 33.01 | 5.94 | 8.35 | 1.76 | 4.88 | 187 |
| | T15CS007 | 1150H WT | TRACTOR, CRAWLER (DOZER), 118 HP, POWERSHIFT, W/ 3.90 CY UNIVERSAL BLADE (ADD ATTACHMENTS) | 119 HP | D-off | | $163,571 | 44.80 | 8.14 | 11.45 | 2.41 | 6.38 | 264 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | T15JD005 | 450H LT | TRACTOR, CRAWLER (DOZER), 70 HP, POWERSHIFT, W/ 2.00 CY ANGLE BLADE (ADD ATTACHMENTS) | 70 HP D-off | | $74,343 | 21.59 | 3.70 | 5.20 | 1.10 | 3.75 | 155 |
| | T15JD006 | 450H LGP | TRACTOR, CRAWLER (DOZER), 74 HP, LOW GROUND PRESSURE, W/ 2.15 CY ANGLE BLADE (ADD ATTACHMENTS) | 74 HP D-off | | $89,861 | 25.28 | 4.48 | 6.29 | 1.33 | 3.97 | 165 |
| | T15JD007 | 650H | TRACTOR, CRAWLER (DOZER), 90 HP, POWERSHIFT, W/ 2.60 CY ANGLE BLADE (ADD ATTACHMENTS) | 90 HP D-off | | $100,414 | 28.82 | 5.00 | 7.03 | 1.48 | 4.83 | 185 |
| | T15JD008 | 750C-II LT | TRACTOR, CRAWLER (DOZER), 140 HP, POWERSHIFT, W/ 5.60 CY ANGLE BLADE (ADD ATTACHMENTS) | 140 HP D-off | | $177,931 | 49.55 | 8.85 | 12.46 | 2.62 | 7.51 | 317 |
| | T15JD009 | 750C-II LGP | TRACTOR, CRAWLER (DOZER), 140 HP, LOW GROUND PRESSURE, W/ 4.84 CY ANGLE BLADE (ADD ATTACHMENTS) | 140 HP D-off | | $190,197 | 52.21 | 9.46 | 13.31 | 2.80 | 7.51 | 365 |
| | T15JD010 | 850C | TRACTOR, CRAWLER (DOZER), 185 HP, POWERSHIFT, W/ 7.44 CY SEMI-U BLADE (ADD ATTACHMENTS) | 185 HP D-off | | $214,607 | 61.01 | 10.67 | 15.02 | 3.16 | 9.92 | 404 |
| | T15JD011 | 850C LGP | TRACTOR, CRAWLER (DOZER), 185 HP, LOW GROUND PRESSURE, W/ 7.14 CY SEMI-U BLADE (ADD ATTACHMENTS) | 185 HP D-off | | $263,682 | 71.69 | 13.12 | 18.46 | 3.89 | 9.92 | 420 |
| | | | **Komatsu America International Company** | | | | | | | | | |
| | T15KM001 | D31E-20 | TRACTOR, CRAWLER (DOZER), 70 HP, HYDROSHIFT, W/ 1.65 CY POWER ANGLE BLADE | 70 HP D-off | | $91,025 | 25.21 | 4.53 | 6.37 | 1.34 | 3.75 | 123 |
| | T15KM002 | D37E-5 | TRACTOR, CRAWLER (DOZER), 75 HP, HYDROSHIFT, W/ 1.95 CY POWER ANGLE BLADE | 75 HP D-off | | $99,872 | 27.52 | 4.97 | 6.99 | 1.47 | 4.02 | 149 |
| | T15KM003 | D58E-1B | TRACTOR, CRAWLER (DOZER), 130 HP, HYDROSHIFT, W/ 3.70 CY POWER ANGLE BLADE | 130 HP D-off | | $179,505 | 49.12 | 8.94 | 12.57 | 2.65 | 6.97 | 328 |
| | T15KM013 | D65EX-12 | TRACTOR, CRAWLER (DOZER), 190 HP, POWERSHIFT, W/ 5.09 CY STRAIGHT TILL BLADE | 190 HP D-off | | $259,693 | 71.21 | 12.92 | 18.18 | 3.83 | 10.19 | 410 |
| | T15KM007 | D85E-21 | TRACTOR, CRAWLER (DOZER), 225 HP, POWERSHIFT, W/ 6.80 CY STRAIGHT TILL BLADE | 225 HP D-off | | $340,104 | 91.42 | 16.93 | 23.81 | 5.02 | 12.07 | 624 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.02** | | **226 HP THRU 425 HP** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | T15CA012 | D-7R | TRACTOR, CRAWLER (DOZER), 230 HP, POWERSHIFT, W/ 6.75 CY SEMI-U BLADE (ADD ATTACHMENTS) | 230 HP D-off | | $339,214 | 81.04 | 14.95 | 20.35 | 4.77 | 12.34 | 552 |
| | T15CA014 | D-7R LGP | TRACTOR, CRAWLER (DOZER), 240 HP, LOW GROUND PRESSURE, W/ 6.75 CY STRAIGHT BLADE (ADD ATTACHMENTS) | 240 HP D-off | | $400,520 | 93.40 | 17.65 | 24.03 | 5.63 | 12.87 | 598 |
| | T15CA016 | D-8R | TRACTOR, CRAWLER (DOZER), 305 HP, POWERSHIFT, W/ 15.3 CY SEMI-U BLADE (ADD ATTACHMENTS) | 305 HP D-off | | $407,319 | 99.39 | 17.95 | 24.44 | 5.73 | 16.36 | 755 |
| | T15CA017 | D-9R | TRACTOR, CRAWLER (DOZER), 405 HP, POWERSHIFT, W/ 17.7 CY SEMI-U BLADE (ADD ATTACHMENTS) | 405 HP D-off | | $561,199 | 135.83 | 24.73 | 33.67 | 7.89 | 21.72 | 1,033 |
| | | | **Komatsu America International Company** | | | | | | | | | |
| | T15KM008 | D155AX-5 | TRACTOR, CRAWLER (DOZER), 310 HP, POWERSHIFT, W/ 11.5 CY SEMI-U BLADE | 310 HP D-off | | $419,032 | 101.97 | 18.46 | 25.14 | 5.89 | 16.63 | 864 |
| | T15KM012 | D275A-2 | TRACTOR, CRAWLER (DOZER), 405 HP, POWERSHIFT, W/ 16.7 CY SEMI-U BLADE | 405 HP D-off | | $624,746 | 147.89 | 27.52 | 37.48 | 8.78 | 21.72 | 1,118 |
| | **SUBCATEGORY 0.03** | | **OVER 425 HP** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | T15CA018 | D-10R | TRACTOR, CRAWLER (DOZER), 570 HP, POWERSHIFT, W/ 28.7 CY SEMI-U BLADE (ADD ATTACHMENTS) | 570 HP D-off | | $720,351 | 151.79 | 28.87 | 38.42 | 9.66 | 26.33 | 1,442 |
| | T15CA019 | D-11R | TRACTOR, CRAWLER (DOZER), 850 HP, POWERSHIFT, W/ 44.0 CY SEMI-U BLADE (ADD ATTACHMENTS) | 850 HP D-off | | $1,295,999 | 262.56 | 51.94 | 69.12 | 17.38 | 39.26 | 2,255 |
| | | | **Komatsu America International Company** | | | | | | | | | |
| | T15KM014 | D375A-2 | TRACTOR, CRAWLER (DOZER), 525 HP, POWERSHIFT, W/ 24.2 CY SEMI-U BLADE | 525 HP D-off | | $877,641 | 174.77 | 35.18 | 46.81 | 11.77 | 24.25 | 1,472 |
| | T15KM011 | D475A-2 | TRACTOR, CRAWLER (DOZER), 860 HP, POWERSHIFT, W/ 33.5 CY SEMI-U BLADE | 860 HP D-off | | $1,457,892 | 289.58 | 58.43 | 77.75 | 19.55 | 39.72 | 2,285 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **T20** | **TRACTORS, WHEEL TYPE (DOZER)** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **TRACTORS, WHEEL TYPE (DOZER)** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | T20CA001 | 814-B F | TRACTOR, WHEEL (DOZER), 220 HP, ARTICULATING, 4X4, W/ 3.77 CY STRAIGHT BLADE | 220 HP D-off | | $286,292 | 53.81 | 12.20 | 16.93 | 3.73 | 10.16 | 365 |
| | T20CA002 | 824-G | TRACTOR, WHEEL (DOZER), 315 HP, ARTICULATING, 4X4, W/ 6.70 CY STRAIGHT BLADE | 315 HP D-off | | $422,798 | 80.43 | 17.91 | 24.81 | 5.50 | 14.55 | 690 |
| | T20CA003 | 834-B | TRACTOR, WHEEL (DOZER), 450 HP, ARTICULATING, 4X4, W/ 13.70 CY STRAIGHT BLADE | 450 HP D-off | | $629,800 | 114.99 | 26.57 | 36.74 | 8.20 | 20.79 | 902 |
| **T25** | **TRACTORS, AGRICULTURAL** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **CRAWLER** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | T25CA006 | CH 65E | TRACTOR, AGRICULTURAL, CRAWLER-RUBBER TRACK, 267 HP, 3 POINT HITCH | 267 HP D-off | | $170,009 | 52.20 | 9.51 | 14.45 | 2.28 | 13.13 | 331 |
| | T25CA007 | CH 75E | TRACTOR, AGRICULTURAL, CRAWLER-RUBBER TRACK, 292 HP, 3 POINT HITCH | 292 HP D-off | | $186,658 | 57.25 | 10.45 | 15.87 | 2.51 | 14.36 | 341 |
| | T25CA008 | CH 85E | TRACTOR, AGRICULTURAL, CRAWLER-RUBBER TRACK, 353 HP, 3 POINT HITCH | 353 HP D-off | | $202,303 | 64.47 | 11.32 | 17.20 | 2.72 | 17.36 | 350 |
| | **SUBCATEGORY 0.20** | | **WHEEL** | | | | | | | | | |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | T25JD008 | 7410 | TRACTOR, AGRICULTURAL, WHEEL, 105 HP, 4X4, PTO, 3 POINT HITCH | 105 HP D-off | | $56,729 | 20.15 | 3.71 | 5.85 | 0.78 | 5.16 | 74 |
| | T25JD009 | 7710 | TRACTOR, AGRICULTURAL, WHEEL, 135 HP, 4X4, PTO, 3 POINT HITCH | 135 HP D-off | | $56,847 | 22.17 | 3.71 | 5.86 | 0.78 | 6.64 | 89 |
| | T25JD010 | 8100 | TRACTOR, AGRICULTURAL, WHEEL, 165 HP, 4X4, PTO, 3 POINT HITCH | 165 HP D-off | | $90,453 | 32.11 | 5.86 | 9.21 | 1.25 | 8.11 | 179 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T25* | | | *DEERE & COMPANY (continued)* | | | | | | | | | | |
| | T25JD014 | 8310 | TRACTOR, AGRICULTURAL, WHEEL, 205 HP, PTO, 3 POINT HITCH | 205 HP | D-off | | $124,164 | 42.45 | 8.11 | 12.80 | 1.71 | 10.08 | 170 |
| | T25JD012 | 9200 | TRACTOR, AGRICULTURAL, WHEEL, 310 HP, 4X4, PTO, 3 POINT HITCH | 310 HP | D-off | | $131,995 | 52.72 | 7.92 | 12.20 | 1.82 | 15.24 | 310 |
| | T25JD013 | 9400 | TRACTOR, AGRICULTURAL, WHEEL, 425 HP, 4X4, PTO, 3 POINT HITCH | 425 HP | D-off | | $170,449 | 69.10 | 10.49 | 16.28 | 2.35 | 20.90 | 338 |
| **T30** | **TRENCHERS, CHAIN TYPE CUTTER** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **TRENCHERS, CHAIN TYPE CUTTER** | | | | | | | | | | |
| | | | **CASE CORPORATION** | | | | | | | | | | |
| | T30CS003 | MAXI SNEAKER C | TRENCHER, CHAIN TYPE CUTTER, 36" DEEP, 6" WIDE, 4X4 | 37 HP | D-off | | $25,943 | 9.01 | 1.65 | 2.56 | 0.37 | 1.82 | 25 |
| | T30CS004 | 360 | TRENCHER, CHAIN TYPE CUTTER, 60" DEEP, 14" WIDE, 4X4, W/ BACKHOE & BLADE | 30 HP | D-off | | $28,001 | 9.13 | 1.73 | 2.65 | 0.40 | 1.48 | 42 |
| | T30CS005 | 460 | TRENCHER, CHAIN TYPE CUTTER, 60" DEEP, 16" WIDE, 4X4X4, W/ BACKHOE & BLADE | 33 HP | D-off | | $33,944 | 10.81 | 2.10 | 3.24 | 0.48 | 1.62 | 65 |
| | T30CS006 | 560 | TRENCHER, CHAIN TYPE CUTTER, 72" DEEP, 16" WIDE, 4X4X4, W/ BACKHOE & BLADE | 46 HP | D-off | | $47,712 | 15.15 | 2.99 | 4.61 | 0.68 | 2.26 | 82 |
| | T30CS007 | 660 | TRENCHER, CHAIN TYPE CUTTER, 72" DEEP, 16" WIDE, 4X4X4, W/ BACKHOE & BLADE | 56 HP | D-off | | $58,203 | 18.47 | 3.66 | 5.66 | 0.83 | 2.75 | 91 |
| | T30CS008 | 860 | TRENCHER, CHAIN TYPE CUTTER, 84" DEEP, 18" WIDE, 4X4X4, W/ BACKHOE & BLADE | 79 HP | D-off | | $75,648 | 24.43 | 4.75 | 7.33 | 1.08 | 3.88 | 119 |
| | | | **DITCH WITCH(The Charles Machine Works)I** | | | | | | | | | | |
| | T30DW012 | 1220 | TRENCHER, CHAIN TYPE CUTTER, 36" DEEP X 6" WIDE,WALK BEHIND | 13 HP | G | | $8,626 | 4.06 | 0.55 | 0.85 | 0.12 | 1.39 | 8 |
| | T30DW013 | 1820 | TRENCHER, CHAIN TYPE CUTTER, 48" DEEP X 16" WIDE,WALK BEHIND | 18 HP | G | | $12,892 | 5.88 | 0.81 | 1.25 | 0.18 | 1.93 | 13 |
| | T30DW014 | 3610 | TRENCHER, CHAIN TYPE CUTTER, 60" DEEP X 16" WIDE, 4X4 (W/ BLADE) | 35 HP | D-off | | $30,548 | 10.09 | 1.88 | 2.90 | 0.43 | 1.72 | 39 |
| | T30DW005 | 3500 | TRENCHER, CHAIN TYPE CUTTER, 63" DEEP X 12" WIDE, 4X4 (W/DBL PIVOT) | 44 HP | D-off | | $32,848 | 11.27 | 2.04 | 3.13 | 0.47 | 2.16 | 42 |
| | T30DW015 | 4500 | TRENCHER, CHAIN TYPE CUTTER, 52" DEEP X 12" WIDE, 4X4 (W/ BLADE) | 52 HP | D-off | | $44,383 | 14.71 | 2.77 | 4.28 | 0.63 | 2.56 | 45 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T30* | | | *DITCH WITCH(The Charles Machine Works)I (continued)* | | | | | | | | | | |
| | T30DW016 | 5110 | TRENCHER, CHAIN TYPE CUTTER, 80" DEEP X 24" WIDE, 4X4 (W/ BLADE) | 53 HP | D-off | | $49,108 | 15.97 | 3.10 | 4.80 | 0.70 | 2.61 | 49 |
| | T30DW017 | 7610 | TRENCHER, CHAIN TYPE CUTTER, 90" DEEP X 24" WIDE, 4X4 (W/ BLADE) | 74 HP | D-off | | $56,469 | 19.22 | 3.55 | 5.49 | 0.80 | 3.64 | 58 |
| | T30DW018 | 8020 | TRENCHER, CHAIN TYPE CUTTER, 90" DEEP X 30" WIDE, 4X4 (W/ BLADE) | 78 HP | D-off | | $70,975 | 23.16 | 4.48 | 6.94 | 1.01 | 3.84 | 66 |
| | T30DW011 | HT100 | TRENCHER, CHAIN TYPE CUTTER, 69" DEEP X 8" WIDE, 4X4 (W/BLADE,CWLR) | 106 HP | D-off | | $147,575 | 44.32 | 9.48 | 14.76 | 2.10 | 5.21 | 158 |
| | T30DW010 | R100 | TRENCHER, CHAIN TYPE CUTTER, 96" DEEP X 24" WIDE, 4X4 (W/BLADE) | 106 HP | D-off | | $125,400 | 39.59 | 7.80 | 12.03 | 1.78 | 5.21 | 95 |
| | | | **TESMEC USA, INC.** | | | | | | | | | | |
| | T30TM001 | TRS 900-A | TRENCHER, CHAIN TYPE CUTTER, 3' DEEP X 4"-8" WIDE, CRAWLER (W/ CRUMBSHOE) | 185 HP | D-off | | $258,690 | 77.64 | 16.62 | 25.87 | 3.68 | 9.10 | 375 |
| | T30TM004 | TRS 900-A-SL | TRENCHER, CHAIN TYPE CUTTER, 3' DEEP X 4"-8" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL | 185 HP | D-off | | $279,374 | 82.86 | 17.94 | 27.94 | 3.97 | 9.10 | 400 |
| | T30TM009 | TRS 1000-A | TRENCHER, CHAIN TYPE CUTTER, 4' DEEP X 5"-12" WIDE, CRAWLER (W/ CRUMBSHOE) | 270 HP | D-off | | $365,816 | 110.34 | 23.49 | 36.58 | 5.20 | 13.28 | 550 |
| | T30TM002 | TRS 900-B | TRENCHER, CHAIN TYPE CUTTER, 4' DEEP X 12" WIDE, CRAWLER (W/ CRUMBSHOE) | 185 HP | D-off | | $263,130 | 78.75 | 16.90 | 26.31 | 3.74 | 9.10 | 405 |
| | T30TM005 | TRS 900-B-SL | TRENCHER, CHAIN TYPE CUTTER, 4' DEEP X 12" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL | 185 HP | D-off | | $293,780 | 86.51 | 18.87 | 29.38 | 4.18 | 9.10 | 430 |
| | T30TM007 | TRS 900-SLO | TRENCHER, CHAIN TYPE CUTTER, 4' DEEP X 12" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL, OFFSET | 240 HP | D-off | | $353,180 | 105.16 | 22.68 | 35.32 | 5.02 | 11.80 | 450 |
| | T30TM008 | TRS 900-SLO | TRENCHER, CHAIN TYPE CUTTER, 6' DEEP X 18" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL, OFFSET | 240 HP | D-off | | $366,839 | 108.61 | 23.56 | 36.68 | 5.22 | 11.80 | 470 |
| | T30TM003 | TRS 900-B | TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 24" WIDE, CRAWLER (W/ CRUMBSHOE) | 185 HP | D-off | | $281,791 | 83.48 | 18.10 | 28.18 | 4.01 | 9.10 | 425 |
| | T30TM006 | TRS 900-B-SL | TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 24" WIDE, CRAWLER (W/CRUMBSHOE) SELF LEVEL | 185 HP | D-off | | $315,567 | 92.02 | 20.27 | 31.56 | 4.49 | 9.10 | 450 |
| | T30TM012 | TRS 1100 | TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 26" WIDE, CRAWLER (W/ CRUMBSHOE) | 350 HP | D-off | | $481,856 | 144.97 | 30.95 | 48.19 | 6.85 | 17.21 | 850 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T30* | | | *TESMEC USA, INC. (continued)* | | | | | | | | | | |
| | T30TM014 | TRS 1300 | TRENCHER, CHAIN TYPE CUTTER, 10' DEEP X 26" WIDE, CRAWLER (W/ CRUMBSHOE) | 503 HP | D-off | | $735,937 | 219.31 | 47.27 | 73.59 | 10.47 | 24.73 | 1,550 |
| | T30TM010 | TRS 1000-B | TRENCHER, CHAIN TYPE CUTTER, 10' DEEP X 30" WIDE, CRAWLER (W/ CRUMBSHOE) | 270 HP | D-off | | $408,421 | 121.11 | 26.23 | 40.84 | 5.81 | 13.28 | 650 |
| | T30TM013 | TRS 1300 | TRENCHER, CHAIN TYPE CUTTER, 14' DEEP X 42" WIDE, CRAWLER (W/ CRUMBSHOE) | 402 HP | D-off | | $751,566 | 216.58 | 48.27 | 75.16 | 10.69 | 19.77 | 1,550 |
| | T30TM015 | TRS 1300 | TRENCHER, CHAIN TYPE CUTTER, 16' DEEP X 42" WIDE, CRAWLER (W/ CRUMBSHOE) | 503 HP | D-off | | $778,655 | 230.11 | 50.02 | 77.87 | 11.08 | 24.73 | 1,550 |
| | | | **VERMEER MANUFACTURING CO.** | | | | | | | | | | |
| | T30VE007 | T-455 | TRENCHER, CHAIN TYPE CUTTER, 6' DEEP X 7.5"-24" WIDE, CRAWLER, HYDROSTATIC | 85 HP | D-off | | $126,763 | 37.67 | 8.14 | 12.68 | 1.80 | 4.18 | 195 |
| | T30VE008 | T-555 | TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 8"-24" WIDE, CRAWLER, HYDROSTATIC | 140 HP | D-off | | $215,069 | 63.63 | 13.82 | 21.51 | 3.06 | 6.88 | 225 |
| | T30VE009 | T-655 | TRENCHER, CHAIN TYPE CUTTER, 8' DEEP X 10"-24" WIDE, CRAWLER, HYDROSTATIC | 180 HP | D-off | | $316,556 | 91.92 | 20.33 | 31.66 | 4.50 | 8.85 | 425 |
| | T30VE010 | T-755 | TRENCHER, CHAIN TYPE CUTTER, 10' DEEP X 14"-36" WIDE, CRAWLER, HYDROSTATIC | 250 HP | D-off | | $407,452 | 119.54 | 26.18 | 40.75 | 5.80 | 12.29 | 660 |
| **T35** | **TRENCHERS, WHEEL TYPE CUTTER** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **TRENCHERS, WHEEL TYPE CUTTER** | | | | | | | | | | |
| | | | **CLEVELAND TRENCHER** | | | | | | | | | | |
| | T35CT001 | 9624 | TRENCHER, WHEEL TYPE CUTTER, 72" DEEP, 21.5" WIDE, ROUND BUCKET, CRAWLER | 140 HP | D-off | | $182,344 | 55.34 | 11.71 | 18.23 | 2.59 | 6.88 | 230 |
| | T35CT002 | 9600-S | TRENCHER, WHEEL TYPE CUTTER, 72" DEEP, 24" WIDE, ROUND BUCKET, CRAWLER | 140 HP | D-off | | $223,904 | 65.86 | 14.39 | 22.39 | 3.19 | 6.88 | 229 |
| | T35CT003 | 246-FD | TRENCHER, WHEEL TYPE CUTTER, 84" DEEP, 24" WIDE, ROUND BUCKET, CRAWLER | 185 HP | D-off | | $251,535 | 75.83 | 16.16 | 25.15 | 3.58 | 9.10 | 320 |
| | T35CT005 | 7036-HD-2 | TRENCHER, WHEEL TYPE CUTTER, 84" DEEP, 27.5" WIDE, ROUND BUCKET, CRAWLER | 102 HP | D-off | | $235,303 | 66.23 | 15.12 | 23.53 | 3.35 | 5.02 | 282 |
| | T35CT006 | 7036-3 | TRENCHER, WHEEL TYPE CUTTER, 84" DEEP, 33.5" WIDE, ROUND BUCKET, CRAWLER | 102 HP | D-off | | $223,980 | 63.37 | 14.39 | 22.40 | 3.19 | 5.02 | 263 |
| | T35CT004 | 7036-HD | TRENCHER, WHEEL TYPE CUTTER, 84" DEEP, 36" WIDE, ROUND BUCKET, CRAWLER | 102 HP | D-off | | $236,751 | 66.60 | 15.21 | 23.68 | 3.37 | 5.02 | 286 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T35* | | | *CLEVELAND TRENCHER (continued)* | | | | | | | | | |
| | T35CT007 | 7036-SD | TRENCHER, WHEEL TYPE CUTTER, 84" DEEP, 36" WIDE, ROUND BUCKET, CRAWLER | 102 HP D-off | | $247,897 | 69.41 | 15.93 | 24.79 | 3.53 | 5.02 | 340 |
| | T35CT008 | 8700-2 | TRENCHER, WHEEL TYPE CUTTER, 84" DEEP, 36" WIDE, ROUND BUCKET, CRAWLER | 150 HP D-off | | $315,714 | 89.73 | 20.28 | 31.57 | 4.49 | 7.38 | 425 |
| | T35CT009 | 7648-SD | TRENCHER, WHEEL TYPE CUTTER, 90" DEEP, 48" WIDE, ROUND BUCKET, CRAWLER | 150 HP D-off | | $370,305 | 103.53 | 23.79 | 37.03 | 5.27 | 7.38 | 455 |
| | T35CT010 | 7648-SD-4 | TRENCHER, WHEEL TYPE CUTTER, 90" DEEP, 42" WIDE, ROUND BUCKET, CRAWLER | 150 HP D-off | | $368,415 | 103.05 | 23.66 | 36.84 | 5.24 | 7.38 | 497 |
| | T35CT011 | 400W-HD | TRENCHER, WHEEL TYPE CUTTER, 108" DEEP, 72" WIDE, ROUND BUCKET, CRAWLER | 175 HP D-off | | $437,201 | 122.08 | 28.08 | 43.72 | 6.22 | 8.60 | 672 |
| T40 | TRUCK OPTIONS | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING** | | | | | | | | | |
| | | | **AUTO CRANE CO.** | | | | | | | | | |
| | T40AH001 | A50A | TRUCK OPTIONS, CRANE, HYDRAULIC, 3.5 TON, 32' BOOM (ADD 21,000 GVW TRUCK & FLATBED) | | | $19,205 | 4.77 | 1.23 | 1.92 | 0.27 | 0.00 | 34 |
| | T40AH002 | A72A | TRUCK OPTIONS, CRANE, HYDRAULIC, 5.0 TON, 32' BOOM (ADD 26,000 GVW TRUCK & FLATBED) | | | $22,974 | 5.67 | 1.48 | 2.30 | 0.33 | 0.00 | 44 |
| | T40AH003 | A95 | TRUCK OPTIONS, CRANE, HYDRAULIC, 6.6 TON, 36' BOOM (ADD 32,500 GVW TRUCK & FLATBED) | | | $32,779 | 7.98 | 2.11 | 3.28 | 0.47 | 0.00 | 63 |
| | T40AH004 | A125 | TRUCK OPTIONS, CRANE, HYDRAULIC, 8.6 TON, 41' BOOM (ADD 46,000 GVW TRUCK & FLATBED) | | | $36,599 | 8.88 | 2.35 | 3.66 | 0.52 | 0.00 | 71 |
| | | | **PALFINGER INC.** | | | | | | | | | |
| | T40PA001 | PC 2300 | TRUCK OPTIONS, CRANE, HYDRAULIC, 2-ARM ARTICULATING, 2.4 TON, 21' BOOM (ADD 25,000 GVW TRUCK & FLATBED) | | | $8,231 | 2.18 | 0.53 | 0.82 | 0.12 | 0.00 | 9 |
| | T40PA002 | PK 13000 | TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 5.3 TON, 61' BOOM (ADD 28,000 GVW TRUCK & FLATBED) | | | $25,170 | 6.18 | 1.62 | 2.52 | 0.36 | 0.00 | 35 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T40* | | | *PALFINGER INC. (continued)* | | | | | | | | | |
| | T40PA003 | PK 19000 | TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 8.3 TON, 70' BOOM (ADD 30,000 GVW TRUCK & FLATBED) | | | $35,751 | 8.69 | 2.30 | 3.58 | 0.51 | 0.00 | 51 |
| | T40PA004 | PK 27000 | TRUCK OPTIONS, CRANE, HYDRAULIC, 3-ARM ARTICULATING, 9.0 TON, 69' BOOM (ADD 52,000 GVW TRUCK & FLATBED) | | | $54,252 | 13.05 | 3.49 | 5.43 | 0.77 | 0.00 | 61 |
| | T40PA005 | PK 48000 | TRUCK OPTIONS, CRANE, HYDRAULIC, 2-ARM ARTICULATING, 12.5 TON, 82' BOOM (ADD 60,000 GVW TRUCK & FLATBED) | | | $77,259 | 18.49 | 4.97 | 7.73 | 1.10 | 0.00 | 1,072 |
| | T40PA006 | PK 60000 | TRUCK OPTIONS, CRANE, HYDRAULIC, 2-ARM ARTICULATING, 14.9 TON, 82' BOOM (ADD 62,000 GVW TRUCK & FLATBED) | | | $78,986 | 18.89 | 5.07 | 7.90 | 1.12 | 0.00 | 126 |
| | **SUBCATEGORY 0.20** | | **DUMP BODY, REAR** | | | | | | | | | |
| | | | **GALION DUMP BODIES, INC.** | | | | | | | | | |
| | T40GN001 | PACKAGE 89-F | TRUCK OPTIONS, DUMP BODY, REAR, 16-23.5 CY DUMP BODY (W/ HOIST) (ADD 36,000 GVW TRUCK) | | | $9,936 | 2.31 | 0.69 | 1.12 | 0.13 | 0.00 | 42 |
| | | | **MIDLAND MANUFACTURING INC.** | | | | | | | | | |
| | T40MY002 | KLEENSIDE | TRUCK OPTIONS, DUMP BODY, REAR, 7.5 CY, AIR GATE (W/ HOIST) (ADD 30,000 GVW TRUCK) | | | $4,282 | 0.99 | 0.30 | 0.48 | 0.06 | 0.00 | 21 |
| | T40MY004 | KLEENSIDE | TRUCK OPTIONS, DUMP BODY, REAR, 10.0 CY, AIR GATE (W/ HOIST) (ADD 35,000 GVW TRUCK) | | | $6,155 | 1.42 | 0.43 | 0.69 | 0.08 | 0.00 | 31 |
| | T40MY005 | KLEENSIDE | TRUCK OPTIONS, DUMP BODY, REAR, 13.6 CY, AIR GATE (W/ HOIST) (ADD 35,000 GVW TRUCK) | | | $8,734 | 2.03 | 0.61 | 0.98 | 0.12 | 0.00 | 33 |
| | T40MY006 | KLEENSIDE | TRUCK OPTIONS, DUMP BODY, REAR, 20.0 CY, AIR GATE (W/ HOIST) (ADD 50,000 GVW TRUCK) | | | $9,937 | 2.31 | 0.69 | 1.12 | 0.13 | 0.00 | 40 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.30** | | **FLATBEDS, WITH SIDES** | | | | | | | | | |
| | | | **KNAPHEIDE MANUFACTURING CO.** | | | | | | | | | |
| | T40KF011 | | TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 8' | | | $3,146 | 0.64 | 0.20 | 0.31 | 0.04 | 0.00 | 11 |
| | T40KF013 | | TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 10' | | | $3,342 | 0.68 | 0.22 | 0.33 | 0.05 | 0.00 | 14 |
| | T40KF014 | | TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 12' | | | $3,588 | 0.74 | 0.23 | 0.36 | 0.05 | 0.00 | 16 |
| | T40KF016 | | TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 16' | | | $4,305 | 0.88 | 0.28 | 0.43 | 0.06 | 0.00 | 16 |
| | T40KF018 | | TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 20' | | | $5,193 | 1.06 | 0.33 | 0.52 | 0.07 | 0.00 | 18 |
| | T40KF020 | | TRUCK OPTIONS, FLATBED, W/SIDE RACKS, 8' X 24' | | | $6,040 | 1.24 | 0.39 | 0.60 | 0.09 | 0.00 | 20 |
| | **SUBCATEGORY 0.41** | | **HOIST, ELECTRIC DRIVE** | | | | | | | | | |
| | | | **KNAPHEIDE MANUFACTURING CO.** | | | | | | | | | |
| | T40KF021 | | TRUCK OPTIONS, HOIST, ELECTRIC DRIVE, PTO, 8' TO 14', 7 TON, | | | $2,555 | 0.67 | 0.17 | 0.26 | 0.04 | 0.00 | 15 |
| | T40KF023 | | TRUCK OPTIONS, HOIST, ELECTRIC DRIVE, 16' TO 24', 7 TON | | | $3,328 | 0.78 | 0.22 | 0.33 | 0.05 | 0.00 | 4 |
| | T40KF024 | | TRUCK OPTIONS, HOIST, ELECTRIC DRIVE, 16' TO 24', 14 TON | | | $3,886 | 0.91 | 0.26 | 0.39 | 0.06 | 0.00 | 6 |
| | T40KF022 | | TRUCK OPTIONS, HOIST, ELECTRIC DRIVE, PTO, 16' TO 24', 20 TON | | | $4,936 | 1.18 | 0.32 | 0.49 | 0.07 | 0.00 | 18 |
| | **SUBCATEGORY 0.50** | | **TRANSIT MIXERS** | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T40XX034 | RDTM-8 | TRUCK OPTIONS, TRANSIT MIXER, 8.0 CY, HYDROSTATIC, 100 GAL, (ADD 60,000 GVW TRUCK) | 235 HP D-on | | $148,424 | 52.43 | 9.94 | 15.77 | 2.05 | 13.49 | 266 |
| | T40XX035 | RDTM-9 | TRUCK OPTIONS, TRANSIT MIXER, 9.0 CY, HYDROSTATIC, 100 GAL, (ADD 66,000 GVW TRUCK) | 250 HP D-on | | $148,569 | 53.69 | 9.95 | 15.79 | 2.05 | 14.36 | 270 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T40* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | |
| | T40XX036 | RDTM-10 | TRUCK OPTIONS, TRANSIT MIXER, 10.0 CY, HYDROSTATIC, 100 GAL, (ADD 66,000 GVW TRUCK) | 285 HP D-on | | $148,684 | 56.50 | 9.95 | 15.80 | 2.05 | 16.36 | 274 |
| | T40XX037 | RDTM-11 | TRUCK OPTIONS, TRANSIT MIXER, 11.0 CY, HYDROSTATIC, 100 GAL, (ADD 70,000 GVW TRUCK) | 285 HP D-on | | $148,899 | 56.55 | 9.97 | 15.82 | 2.06 | 16.36 | 285 |
| | T40XX038 | RDTM-12 | TRUCK OPTIONS, TRANSIT MIXER, 12.0 CY, HYDROSTATIC, 100 GAL, (ADD 75,000 GVW TRUCK) | 285 HP D-on | | $149,117 | 56.59 | 9.98 | 15.84 | 2.06 | 16.36 | 295 |
| | **SUBCATEGORY 0.60** | | **WATER TANKS** | | | | | | | | | |
| | | | **ROSCO MANUFACTURING CO.** | | | | | | | | | |
| | T40RS001 | | TRUCK OPTIONS, WATER TANK, 2,000 GAL (ADD 28,000 GVW TRUCK) | | | $17,965 | 3.58 | 1.10 | 1.68 | 0.26 | 0.00 | 38 |
| | T40RS002 | | TRUCK OPTIONS, WATER TANK, 3,000 GAL (ADD 40,000 GVW TRUCK) | | | $20,878 | 4.17 | 1.29 | 1.96 | 0.31 | 0.00 | 45 |
| | T40RS003 | | TRUCK OPTIONS, WATER TANK, 4,000 GAL (ADD 50,000 GVW TRUCK) | | | $23,035 | 4.60 | 1.42 | 2.16 | 0.34 | 0.00 | 55 |
| | **SUBCATEGORY 0.70** | | **ALL OTHER OPTIONS** | | | | | | | | | |
| | | | **BRODERSON MANUFACTURING CORPORATION** | | | | | | | | | |
| | T40BD001 | MN-42-F | TRUCK OPTIONS, GUILLOTINE CONCRETE BREAKER, DEMOLITION 4' DIA PUNCH, FROST CHISEL, 14" LONG DEMOLITION BLADE OR 12" X 7" ASPHALT BLADE, 4X2 | 112 HP D-off | | $91,232 | 27.92 | 5.84 | 9.07 | 1.30 | 5.51 | 105 |
| T45 | TRUCK TRAILERS | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **BOTTOM DUMP** | | | | | | | | | |
| | | | **MIDLAND MANUFACTURING INC.** | | | | | | | | | |
| | T45MY004 | 40' MC 2000 | TRUCK TRAILER, BOTTOM DUMP, 21.0 CY, 28 TON, 40' TANDEM, 2 AXLE, CLAMSHELL (ADD TOWING TRUCK) | | | $25,620 | 5.60 | 1.30 | 1.94 | 0.33 | 0.00 | 152 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T45* | | | *MIDLAND MANUFACTURING INC. (continued)* | | | | | | | | | |
| | T45MY005 | 40' TC 3000 | TRUCK TRAILER, BOTTOM DUMP, 21.0 CY, 30 TON, 40' TRIAXLE, CLAMSHELL (ADD TOWING TRUCK) | | | $35,008 | 7.61 | 1.76 | 2.61 | 0.45 | 0.00 | 138 |
| | T45MY006 | 38' MC 3000 | TRUCK TRAILER, BOTTOM DUMP, 23.0 CY, 30 TON, 38' TRIAXLE, CLAMSHELL (ADD TOWING TRUCK) | | | $35,931 | 7.79 | 1.82 | 2.69 | 0.47 | 0.00 | 145 |
| | T45MY007 | 40' MC 3000 | TRUCK TRAILER, BOTTOM DUMP, 23.0 CY, 30 TON, 40' TRIAXLE, CLAMSHELL (ADD TOWING TRUCK) | | | $34,769 | 7.56 | 1.74 | 2.58 | 0.45 | 0.00 | 152 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX001 | | TRUCK TRAILER, BOTTOM DUMP, 27 TON (ADD TOWING TRUCK) | | | $32,663 | 6.90 | 1.76 | 2.68 | 0.42 | 0.00 | 122 |
| | T45XX003 | | TRUCK TRAILER, BOTTOM DUMP, 30 TON (ADD TOWING TRUCK) | | | $37,558 | 7.83 | 2.05 | 3.12 | 0.49 | 0.00 | 160 |
| | **SUBCATEGORY 0.20** | | **END DUMP** | | | | | | | | | |
| | | | **MIDLAND MANUFACTURING INC.** | | | | | | | | | |
| | T45MY015 | 28' SK2000 | TRUCK TRAILER, END DUMP, 28 CY, 36 TON, 2 AXLE (W/ HOIST) (ADD TOWING TRUCK) | | | $27,689 | 5.95 | 1.43 | 2.13 | 0.36 | 0.00 | 115 |
| | T45MY016 | 32' ST 2400 | TRUCK TRAILER, END DUMP, 28 CY, 36 TON, 2 AXLE (W/ HOIST) (ADD TOWING TRUCK) | | | $28,140 | 6.03 | 1.46 | 2.17 | 0.37 | 0.00 | 130 |
| | T45MY017 | 39' SK 2300 | TRUCK TRAILER, END DUMP, 39 CY, 50 TON, 3 AXLE (W/ HOIST) (ADD TOWING TRUCK) | | | $31,048 | 6.81 | 1.53 | 2.25 | 0.40 | 0.00 | 170 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX008 | | TRUCK TRAILER, END DUMP, 20 CY, 24 TON (ADD TOWING TRUCK) | | | $26,059 | 5.52 | 1.38 | 2.08 | 0.34 | 0.00 | 110 |
| | **SUBCATEGORY 0.30** | | **PUP TRAILER** | | | | | | | | | |
| | | | **MIDLAND MANUFACTURING INC.** | | | | | | | | | |
| | T45MY018 | 14' SK 2100 | TRUCK TRAILER, PUP TRAILER, 10 CY, 13 TON, 2 AXLE (W/ HOIST) (ADD TOWING TRUCK) | | | $18,613 | 4.82 | 1.07 | 1.64 | 0.25 | 0.00 | 80 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T45* | | | *MIDLAND MANUFACTURING INC. (continued)* | | | | | | | | | |
| | T45MY019 | 14' SL 2100 | TRUCK TRAILER, PUP TRAILER, 12 CY, 15 TON, 2 AXLE (W/ HOIST) (ADD TOWING TRUCK) | | | $18,460 | 4.78 | 1.06 | 1.62 | 0.25 | 0.00 | 80 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX009 | | TRUCK TRAILER, PUP TRAILER, 8 CY, LONG TONGUE (ADD TOWING TRUCK) | | | $27,510 | 6.65 | 1.75 | 2.76 | 0.37 | 0.00 | 86 |
| | T45XX010 | | TRUCK TRAILER, PUP TRAILER, 10 CY, LONG TONGUE (ADD TOWING TRUCK) | | | $28,106 | 6.78 | 1.80 | 2.83 | 0.38 | 0.00 | 86 |
| | T45XX032 | | TRUCK TRAILER, PUP TRAILER, 13 CY,14.5 T, 3 AXLE (ADD TOWING TRUCK) | | | $35,309 | 8.16 | 2.46 | 3.97 | 0.47 | 0.00 | 92 |
| | T45XX033 | | TRUCK TRAILER, PUP TRAILER, 16 CY, 18.0 T, 4 AXLE (ADD TOWING TRUCK) | | | $41,658 | 9.65 | 2.91 | 4.69 | 0.56 | 0.00 | 100 |
| | **SUBCATEGORY 0.41** | | **LOWBOY, RIGID NECK, DROP DECK** | | | | | | | | | |
| | | | **EAGER BEAVER** | | | | | | | | | |
| | T45EA006 | GSL | TRUCK TRAILER, LOWBOY, 35 TON, DETATCHABLE GOOSENECK, 2 AXLE, 8'6"W X 22' L (ADD TOWING TRUCK) | | | $28,883 | 6.08 | 1.42 | 2.07 | 0.38 | 0.00 | 150 |
| | T45EA007 | 50GSL/3 | TRUCK TRAILER, LOWBOY, 50 TON, DETATCHABLE GOOSENECK, 3 AXLE, 8'6"W X 24' L (ADD TOWING TRUCK) | | | $46,096 | 9.32 | 2.28 | 3.35 | 0.60 | 0.00 | 205 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX011 | | TRUCK TRAILER, LOWBOY, 25 TON, 2 AXLE (ADD TOWING TRUCK) | | | $27,571 | 5.28 | 1.49 | 2.25 | 0.36 | 0.00 | 95 |
| | T45XX012 | | TRUCK TRAILER, LOWBOY, 30 TON, 2 AXLE (ADD TOWING TRUCK) | | | $29,224 | 5.55 | 1.58 | 2.40 | 0.38 | 0.00 | 115 |
| | T45XX013 | | TRUCK TRAILER, LOWBOY, 35 TON, 2 AXLE (ADD TOWING TRUCK) | | | $30,681 | 5.85 | 1.65 | 2.50 | 0.40 | 0.00 | 110 |
| | T45XX014 | | TRUCK TRAILER, LOWBOY, 35 TON, 3 AXLE (ADD TOWING TRUCK) | | | $37,498 | 7.19 | 2.00 | 3.02 | 0.49 | 0.00 | 127 |
| | T45XX015 | | TRUCK TRAILER, LOWBOY, 40 TON, 3 AXLE (ADD TOWING TRUCK) | | | $38,364 | 7.34 | 2.05 | 3.10 | 0.50 | 0.00 | 136 |
| | T45XX016 | | TRUCK TRAILER, LOWBOY, 50 TON, 3 AXLE (ADD TOWING TRUCK) | | | $42,907 | 8.16 | 2.30 | 3.47 | 0.56 | 0.00 | 145 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T45* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | |
| | T45XX017 | | TRUCK TRAILER, LOWBOY, 60 TON, 3 AXLE (ADD TOWING TRUCK) | | | $45,603 | 8.73 | 2.41 | 3.63 | 0.59 | 0.00 | 175 |
| | T45XX018 | | TRUCK TRAILER, LOWBOY, 70 TON, 3 AXLE (ADD TOWING TRUCK) | | | $47,890 | 9.10 | 2.54 | 3.83 | 0.62 | 0.00 | 213 |
| | T45XX019 | | TRUCK TRAILER, LOWBOY, 75 TON, 3 AXLE (ADD TOWING TRUCK) | | | $52,417 | 9.84 | 2.80 | 4.24 | 0.68 | 0.00 | 220 |
| | T45XX020 | | TRUCK TRAILER, LOWBOY, 80 TON, 4 AXLE (ADD TOWING TRUCK) | | | $52,591 | 10.04 | 2.78 | 4.20 | 0.68 | 0.00 | 268 |
| | T45XX021 | | TRUCK TRAILER, LOWBOY, 90 TON, 4 AXLE (ADD TOWING TRUCK) | | | $55,204 | 10.48 | 2.94 | 4.44 | 0.72 | 0.00 | 293 |
| | T45XX022 | | TRUCK TRAILER, LOWBOY, 100 TON, 4 AXLE (ADD TOWING TRUCK) | | | $62,605 | 11.85 | 3.31 | 5.00 | 0.81 | 0.00 | 312 |
| | T45XX023 | | TRUCK TRAILER, LOWBOY, 120 TON, 4 AXLE (ADD TOWING TRUCK) | | | $75,001 | 14.13 | 3.95 | 5.96 | 0.97 | 0.00 | 350 |
| | **SUBCATEGORY 0.50** | | **FLATBED TRAILER** | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX025 | | TRUCK TRAILER, FLATBED, 25 TON, 2 AXLE (ADD TOWING TRUCK) | | | $25,662 | 4.73 | 1.36 | 2.05 | 0.33 | 0.00 | 110 |
| | T45XX034 | 32 | TRUCK TRAILER, FLATBED, 40 TON, 32.0 ft, 2 AXLE (ADD TOWING TRUCK) | | | $25,607 | 4.58 | 1.48 | 2.30 | 0.33 | 0.00 | 103 |
| | T45XX035 | 40 | TRUCK TRAILER, FLATBED, 40 TON, 40.0 ft, 2 AXLE (ADD TOWING TRUCK) | | | $27,202 | 4.85 | 1.58 | 2.45 | 0.35 | 0.00 | 110 |
| | **SUBCATEGORY 0.60** | | **MISCELLANEOUS / UTILITY** | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX026 | | TRUCK TRAILER, MISCELLANEOUS/UTILITY, TILT BED, 12 TON, 2 AXLE (ADD TOWING TRUCK) | | | $14,724 | 3.01 | 0.79 | 1.19 | 0.19 | 0.00 | 62 |
| | T45XX027 | | TRUCK TRAILER, MISCELLANEOUS/UTILITY, TILT BED, 16 TON, 2 AXLE (ADD TOWING TRUCK) | | | $16,681 | 3.43 | 0.88 | 1.31 | 0.22 | 0.00 | 65 |
| | T45XX028 | | TRUCK TRAILER, MISCELLANEOUS/UTILITY, TILT BED, 20 TON, 2 AXLE (ADD TOWING TRUCK) | | | $19,261 | 3.94 | 1.00 | 1.49 | 0.25 | 0.00 | 67 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | ENGINE HORSEPOWER - FUEL TYPE CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T45* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | | |
| | T45XX024 | | TRUCK TRAILER, MISCELLANEOUS/UTILITY, ATTACHMENT, HELPER DOLLY, 60 TON TRAILER MAX (ADD TOWING TRUCK) | | | | $23,942 | 4.43 | 1.26 | 1.89 | 0.31 | 0.00 | 62 |
| | **SUBCATEGORY 0.70** | | **WATER TANKER TRAILER** | | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | T45XX029 | | TRUCK TRAILER, WATER TANKER, 4000 GAL, W/ PUMP (ADD TOWING TRUCK) | 63 HP | D-off | | $67,458 | 15.16 | 3.44 | 4.93 | 0.97 | 3.10 | 170 |
| | T45XX030 | | TRUCK TRAILER, WATER TANKER, 5000GAL, W/ PUMP (ADD TOWING TRUCK) | 63 HP | D-off | | $69,107 | 15.63 | 3.45 | 4.92 | 0.99 | 3.10 | 240 |
| | T45XX031 | | TRUCK TRAILER, WATER TANKER, 6000 GAL, W/ PUMP (ADD TOWING TRUCK) | 63 HP | D-off | | $83,074 | 17.89 | 4.18 | 5.97 | 1.19 | 3.10 | 250 |
| T50 | TRUCKS, HIGHWAY (Add attachments as required) | | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **0 THRU 10,000 GVW** | | | | | | | | | | |
| | | | **GMC AND CHEVROLET** | | | | | | | | | | |
| | T50GM001 | S10 | TRUCK, HIGHWAY, 3,500 GVW, 4X2, COMPACT | 120 HP | G | | $13,670 | 7.18 | 0.85 | 1.32 | 0.19 | 2.97 | 26 |
| | T50GM004 | R26 | TRUCK, HIGHWAY, 8,600 GVW, 4X2, (SUBURBAN) | 285 HP | G | | $33,930 | 17.16 | 2.15 | 3.34 | 0.48 | 7.05 | 50 |
| | T50GM005 | V26 | TRUCK, HIGHWAY, 8,600 GVW, 4X4, (SUBURBAN) | 285 HP | G | | $36,477 | 17.77 | 2.32 | 3.60 | 0.52 | 7.05 | 52 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | T50XX001 | 4X2 1/2 130 CONV GAS | TRUCK, HIGHWAY, CONVENTIONAL, 1/2 TON PICKUP, 4X2 | 130 HP | G | | $13,654 | 7.60 | 0.83 | 1.28 | 0.19 | 3.22 | 43 |
| | T50XX002 | 4X2 3/4 130 CONV GAS | TRUCK, HIGHWAY, CONVENTIONAL, 3/4 TON PICKUP, 4X2 | 130 HP | G | | $16,471 | 8.28 | 1.01 | 1.55 | 0.23 | 3.22 | 40 |
| | T50XX003 | 4X2 1 180 CONV GAS | TRUCK, HIGHWAY, CONVENTIONAL, 1 TON PICKUP, 4X2 | 180 HP | G | | $18,752 | 10.45 | 1.16 | 1.78 | 0.27 | 4.46 | 41 |
| | T50XX004 | 4X4 1/2 130 CONV GAS | TRUCK, HIGHWAY, CONVENTIONAL, 1/2 TON PICKUP, 4X4 | 130 HP | G | | $16,537 | 8.32 | 1.03 | 1.57 | 0.24 | 3.22 | 43 |
| | T50XX005 | 4X4 3/4 130 CONV GAS | TRUCK, HIGHWAY, CONVENTIONAL, 3/4 TON PICKUP, 4X4 | 130 HP | G | | $19,436 | 9.02 | 1.21 | 1.85 | 0.28 | 3.22 | 45 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T50* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | | |
| | T50XX006 | 4X4 1 180 CONV GAS | TRUCK, HIGHWAY, CONVENTIONAL, 1 TON PICKUP, 4X4 | 180 HP | G | | $20,141 | 10.83 | 1.25 | 1.92 | 0.29 | 4.46 | 45 |
| | T50XX007 | 4X2 1/2 130 CREW GAS | TRUCK, HIGHWAY, CREW, 1/2 TON PICKUP, 4X2 | 130 HP | G | | $14,498 | 7.81 | 0.90 | 1.37 | 0.21 | 3.22 | 45 |
| | T50XX008 | 4X2 3/4 130 CREW GAS | TRUCK, HIGHWAY, CREW, 3/4 TON PICKUP, 4X2 | 130 HP | G | | $17,467 | 8.50 | 1.08 | 1.65 | 0.25 | 3.22 | 47 |
| | T50XX009 | 4X2 1 180 CREW GAS | TRUCK, HIGHWAY, CREW, 1 TON PICKUP, 4X2 | 180 HP | G | | $21,485 | 11.07 | 1.34 | 2.06 | 0.31 | 4.46 | 45 |
| | T50XX010 | 4X4 1/2 130 CREW GAS | TRUCK, HIGHWAY, CREW, 1/2 TON PICKUP, 4X4 | 130 HP | G | | $19,648 | 9.01 | 1.22 | 1.88 | 0.28 | 3.22 | 48 |
| | T50XX011 | 4X4 3/4 180 CREW GAS | TRUCK, HIGHWAY, CREW, 3/4 TON PICKUP, 4X4 | 180 HP | G | | $21,090 | 11.05 | 1.31 | 2.01 | 0.30 | 4.46 | 55 |
| | T50XX012 | 4X4 1 180 CREW GAS | TRUCK, HIGHWAY, CREW, 1 TON PICKUP, 4X4 | 180 HP | G | | $22,116 | 11.27 | 1.37 | 2.12 | 0.31 | 4.46 | 45 |
| | T50XX013 | 4X2 1/2 75 CONV DSL | TRUCK, HIGHWAY, CONVENTIONAL, 1/2 TON PICKUP, 4X2 | 75 HP | D-on | | $17,845 | 5.54 | 1.10 | 1.70 | 0.25 | 1.04 | 39 |
| | T50XX014 | 4X2 3/4 75 CONV DSL | TRUCK, HIGHWAY, CONVENTIONAL, 3/4 TON PICKUP, 4X2 | 75 HP | D-on | | $19,793 | 6.02 | 1.22 | 1.88 | 0.28 | 1.04 | 40 |
| | T50XX015 | 4X2 1 130 CONV DSL | TRUCK, HIGHWAY, CONVENTIONAL, 1 TON PICKUP, 4X2 | 130 HP | D-on | | $22,822 | 7.69 | 1.42 | 2.19 | 0.32 | 1.81 | 43 |
| | T50XX016 | 4X4 1/2 130 CONV DSL | TRUCK, HIGHWAY, CONVENTIONAL, 1/2 TON PICKUP, 4X4 | 130 HP | D-on | | $21,267 | 7.37 | 1.32 | 2.04 | 0.30 | 1.81 | 43 |
| | T50XX017 | 4X4 3/4 130 CONV DSL | TRUCK, HIGHWAY, CONVENTIONAL, 3/4 TON PICKUP, 4X4 | 130 HP | D-on | | $21,466 | 7.48 | 1.34 | 2.05 | 0.31 | 1.81 | 45 |
| | T50XX018 | CONV DSL 4X4 1 130 | TRUCK, HIGHWAY, CONVENTIONAL, 1 TON PICKUP, 4X4 | 130 HP | D-on | | $25,690 | 8.41 | 1.61 | 2.48 | 0.37 | 1.81 | 49 |
| | T50XX019 | 4X2 3/4 130 CREW DSL | TRUCK, HIGHWAY, CREW, 3/4 TON PICKUP, 4X2 | 130 HP | D-on | | $20,514 | 7.19 | 1.27 | 1.96 | 0.29 | 1.81 | 47 |
| | T50XX020 | 4X4 3/4 130 CREW DSL | TRUCK, HIGHWAY, CREW, 3/4 TON PICKUP 4X4 | 130 HP | D-on | | $24,811 | 8.21 | 1.54 | 2.38 | 0.35 | 1.81 | 55 |
| | T50XX021 | 4X2 1 130 CREW DSL | TRUCK, HIGHWAY, CREW, 1 TON PICKUP, 4X2 | 130 HP | D-on | | $22,529 | 7.63 | 1.40 | 2.16 | 0.32 | 1.81 | 48 |
| | **SUBCATEGORY 0.02** | | **OVER 10,000 THRU 30,000 GVW (Chassis only - Add options)** | | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | T50XX023 | 4X2 20KGVW GAS | TRUCK, HIGHWAY, 20,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS) | 210 HP | G | | $35,296 | 23.11 | 1.85 | 2.71 | 0.49 | 12.13 | 70 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T50* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | | |
| | T50XX024 | 4X2 25KGVW GAS | TRUCK, HIGHWAY, 25,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS) | 210 HP | G | | $30,668 | 22.31 | 1.60 | 2.34 | 0.43 | 12.13 | 72 |
| | T50XX022 | 4X2 25KGVW DSL | TRUCK, HIGHWAY, 25,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS) | 180 HP | D-on | | $44,800 | 15.58 | 2.36 | 3.47 | 0.62 | 5.64 | 88 |
| | T50XX026 | 4X2 30KGVW DSL | TRUCK, HIGHWAY, 30,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS) | 210 HP | D-on | | $60,043 | 19.71 | 3.14 | 4.61 | 0.83 | 6.58 | 105 |
| | T50XX025 | 4X4 30KGVW DSL | TRUCK, HIGHWAY, 30,000 LBS GVW, 2 AXLE, 4X4 (CHASSIS ONLY-ADD OPTIONS) | 170 HP | D-on | | $59,087 | 17.97 | 3.09 | 4.53 | 0.82 | 5.32 | 97 |
| | **SUBCATEGORY 0.03** | | **OVER 30,000 GVW (Chassis only - Add options)** | | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | T50XX027 | 4X2 35KGVW DSL | TRUCK, HIGHWAY, 35,000 LBS GVW, 2 AXLE, 4X2 (CHASSIS ONLY-ADD OPTIONS) | 265 HP | D-on | | $95,510 | 30.80 | 4.41 | 6.21 | 1.30 | 11.99 | 126 |
| | T50XX028 | 6X4 45KGVW DSL | TRUCK, HIGHWAY, 45,000 LBS GVW, 2 AXLE, 6X4 (CHASSIS ONLY-ADD OPTIONS) | 230 HP | D-on | | $95,664 | 29.07 | 4.38 | 6.14 | 1.31 | 10.41 | 135 |
| | T50XX029 | 6X4 55KGVW DSL | TRUCK, HIGHWAY, 50,000 LBS GVW, 2 AXLE, 6X4 (CHASSIS ONLY-ADD OPTIONS) | 310 HP | D-on | | $88,122 | 32.82 | 4.02 | 5.63 | 1.20 | 14.02 | 144 |
| | T50XX030 | 6X6 70KGVW DSL | TRUCK, HIGHWAY, 70,000 LBS GVW, 2 AXLE, 6X6 (CHASSIS ONLY-ADD OPTIONS) | 350 HP | D-on | | $112,704 | 38.87 | 5.18 | 7.27 | 1.54 | 15.83 | 180 |
| | T50XX031 | 6X4 75KGVW DSL | TRUCK, HIGHWAY, 75,000 LBS GVW, 2 AXLE, 6X4 (CHASSIS ONLY-ADD OPTIONS) | 400 HP | D-on | | $103,227 | 40.48 | 4.74 | 6.65 | 1.41 | 18.10 | 197 |
| **T55** | TRUCKS, OFF-HIGHWAY | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **RIGID FRAME** | | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | | |
| | T55CA007 | 769D | TRUCK, OFF-HIGHWAY, RIGID FRAME, 31.7 CY, 41.6 TON, 4X4, REAR DUMP | 450 HP | D-off | | $550,746 | 91.54 | 18.29 | 22.56 | 7.01 | 12.07 | 740 |
| | T55CA002 | 773D | TRUCK, OFF-HIGHWAY, RIGID FRAME, 46.9 CY, 57.7 TON, 4X4, REAR DUMP | 650 HP | D-off | | $748,766 | 118.60 | 24.75 | 30.44 | 9.53 | 17.43 | 955 |
| | T55CA003 | 777D | TRUCK, OFF-HIGHWAY, RIGID FRAME, 78.6 CY, 100 TON, 4X4, REAR DUMP | 870 HP | D-off | | $1,127,589 | 173.88 | 37.31 | 45.91 | 14.35 | 23.33 | 1,542 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Komatsu America International Company** | | | | | | | | | | |
| | T55KM009 | HD325-6 | TRUCK, OFF-HIGHWAY, RIGID FRAME, 31.4 CY, 44 TON, 4X4, REAR DUMP | 488 HP | D-off | | $514,656 | 88.99 | 17.06 | 21.02 | 6.55 | 13.09 | 1,590 |
| | T55KM010 | HD465-5 | TRUCK, OFF-HIGHWAY, RIGID FRAME, 44.7 CY, 61 TON, 4X4, REAR DUMP | 715 HP | D-off | | $754,424 | 132.26 | 24.95 | 30.70 | 9.60 | 19.18 | 2,119 |
| | T55KM011 | HD605-5 | TRUCK, OFF-HIGHWAY, RIGID FRAME, 52.3 CY, 67 TON, 4X4, REAR DUMP | 715 HP | D-off | | $814,000 | 138.86 | 26.98 | 33.23 | 10.36 | 19.18 | 2,352 |
| | T55KM012 | HD785-5 | TRUCK, OFF-HIGHWAY, RIGID FRAME, 78.7 CY, 100 TON, 4X4, REAR DUMP | 1,082 HP | D-off | | $1,075,588 | 176.21 | 35.54 | 43.70 | 13.69 | 29.02 | 3,670 |
| | T55KM013 | HD1500-5 | TRUCK, OFF-HIGHWAY, RIGID FRAME, 102 CY, 165 TON, 4X4, REAR DUMP | 1,486 HP | D-off | | $1,786,959 | 284.29 | 58.83 | 72.17 | 22.74 | 39.85 | 5,500 |
| | T55KM014 | 730E | TRUCK, OFF-HIGHWAY, RIGID FRAME, 145 CY, 205 TON, 4X4, REAR DUMP | 2,000 HP | D-off | | $2,109,927 | 354.46 | 68.87 | 84.03 | 26.85 | 53.64 | 7,150 |
| | **SUBCATEGORY 0.20** | | **ARTICULATED FRAME** | | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | | |
| | T55CA008 | D25D | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 18 CY, 25 TON, 4X4, REAR DUMP | 260 HP | D-off | | $325,767 | 69.06 | 14.56 | 20.58 | 4.27 | 10.07 | 471 |
| | T55CA009 | D30D | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 22 CY, 30 TON, 4X4, REAR DUMP | 285 HP | D-off | | $382,705 | 80.69 | 17.07 | 24.11 | 5.01 | 11.04 | 519 |
| | T55CA010 | D250D SERIES II | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 18 CY, 25 TON, 6X6, REAR DUMP | 214 HP | D-off | | $330,689 | 68.77 | 14.75 | 20.84 | 4.33 | 8.29 | 424 |
| | T55CA011 | D300E SERIES II | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 22 CY, 30 TON, 6X6, REAR DUMP | 260 HP | D-off | | $390,957 | 82.35 | 17.41 | 24.57 | 5.12 | 10.07 | 488 |
| | T55CA012 | D350E SERIES II | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 25 CY, 35 TON, 6X6, REAR DUMP | 285 HP | D-off | | $459,874 | 94.09 | 20.56 | 29.08 | 6.02 | 11.04 | 599 |
| | T55CA013 | D400E SERIES II | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 28 CY, 40 TON, 6X6, REAR DUMP | 385 HP | D-off | | $467,844 | 103.68 | 20.77 | 29.28 | 6.13 | 14.91 | 653 |
| | | | **DEERE & COMPANY** | | | | | | | | | | |
| | T55JD001 | 250C | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 18 CY, 25 TON, 6X6, REAR DUMP | 237 HP | D-off | | $254,485 | 60.19 | 11.16 | 15.65 | 3.33 | 9.18 | 355 |
| | T55JD002 | 300C | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 22 CY, 29 TON, 6X6, REAR DUMP | 251 HP | D-off | | $293,565 | 66.89 | 12.95 | 18.20 | 3.85 | 9.72 | 401 |
| | T55JD003 | 350C | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 25 CY, 35 TON, 6X6, REAR DUMP | 335 HP | D-off | | $388,777 | 89.33 | 17.11 | 24.04 | 5.09 | 12.98 | 571 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | ID.NO. | MODEL | REGION 7 EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T55* | | | *DEERE & COMPANY (continued)* | | | | | | | | | |
| | T55JD004 | 400C | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 29 CY, 40 TON, 6X6, REAR DUMP | 410 HP D-off | | $436,348 | 103.61 | 19.12 | 26.80 | 5.72 | 15.88 | 635 |
| | | | **Komatsu America International Company** | | | | | | | | | |
| | T55KM015 | HM350-1 | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 35.7 TON, 19.1-25.9 CY, 6 X 6 X 2, REAR DUMP | 389 HP D-off | | $468,745 | 104.25 | 20.78 | 29.27 | 6.14 | 15.07 | 630 |
| | T55KM016 | HM400-1 | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 40.3 TON, 21.6-29.2 CY, 6 X 6 X 2, REAR DUMP | 430 HP D-off | | $538,351 | 120.31 | 23.79 | 33.47 | 7.05 | 16.66 | 668 |
| | | | **VOLVO CONSTRUCTION EQUIPMENT GROUP** | | | | | | | | | |
| | T55VO002 | A-25C | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 14-18 CY, 25 TON, REAR DUMP, 4X4 | 251 HP D-off | | $261,555 | 59.97 | 11.57 | 16.27 | 3.43 | 9.72 | 348 |
| | T55VO003 | A-25C | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 14-18 CY, 25 TON, REAR DUMP, 6X6 | 251 HP D-off | | $290,091 | 67.03 | 12.75 | 17.90 | 3.80 | 9.72 | 392 |
| | T55VO005 | A-30C | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 17-22 CY, 30 TON, REAR DUMP, 6X6 | 296 HP D-off | | $336,464 | 71.74 | 15.07 | 21.31 | 4.41 | 11.47 | 461 |
| | T55VO004 | A-35C | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 19-25 CY, 35 TON, REAR DUMP, 6X6 | 322 HP D-off | | $435,761 | 93.09 | 19.42 | 27.41 | 5.71 | 12.47 | 567 |
| | T55VO006 | A-40 | TRUCK, OFF-HIGHWAY, ARTICULATED FRAME, 21-29 CY, 40 TON, REAR DUMP, 6X6 | 395 HP D-off | | $480,794 | 106.87 | 21.31 | 30.01 | 6.30 | 15.30 | 660 |
| **T56** | **TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **PRIME MOVER TRACTORS** | | | | | | | | | |
| | | | **CATERPILLAR INC. ( MACHINE DIVISION)** | | | | | | | | | |
| | T56CA006 | 776D | TRUCK, OFF-HIGHWAY, PRIME MOVER TRACTOR, 4X4, RIGID FRAME | 938 HP D-off | | $1,053,823 | 174.29 | 34.80 | 42.78 | 13.41 | 29.35 | 1,164 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **T57** | **TRUCKS, VACUUM** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **TRUCKS, VACUUM** | | | | | | | | | |
| | | | **CUSCO INDUSTRIES** | | | | | | | | | |
| | T57CU001 | INDUSTRIAL VAC 130 | VACUUM, 5500 GAL, 750 CFM, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK) | 76 HP D-off | | $82,123 | 20.75 | 4.40 | 6.52 | 1.14 | 3.74 | 76 |
| | T57CU002 | SS INDUST. VAC 130 | VACUUM, 5500 GAL, 750 CFM, STAINLESS STEEL, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK) | 76 HP D-off | | $100,466 | 24.25 | 5.39 | 7.99 | 1.39 | 3.74 | 76 |
| | T57CU003 | 2527 | VACUUM, 5500 GAL, 2,100 CFM, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK) | 115 HP D-off | | $148,670 | 36.03 | 7.99 | 11.85 | 2.06 | 5.65 | 115 |
| | T57CU004 | 3827 | VACUUM, 5500 GAL, 3,170 CFM, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK) | 177 HP D-off | | $169,539 | 44.12 | 9.11 | 13.51 | 2.35 | 8.70 | 177 |
| | T57CU005 | 5327 | VACUUM, 5500 GAL, 4,550 CFM, TRAILER MTD, REAR DOOR & HYDRAULIC DUMP SYSTEM (ADD TOWING TRUCK) | 335 HP D-off | | $183,521 | 57.27 | 9.87 | 14.63 | 2.55 | 16.47 | 335 |
| **T60** | **TRUCKS, WATER, OFF-HIGHWAY** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **TRUCKS, WATER, OFF-HIGHWAY** | | | | | | | | | |
| | | | **KLEIN PRODUCTS, INC.** | | | | | | | | | |
| | T60KI001 | KT-50 | TRUCK, WATER, OFF-HIGHWAY, 5000 GAL, W/ CAT 613C TRACTOR | 175 HP D-off | | $214,331 | 47.21 | 9.76 | 13.68 | 2.92 | 8.60 | 320 |
| | T60KI002 | KT-60 | TRUCK, WATER, OFF-HIGHWAY, 6000 GAL, W/ CAT 621E TRACTOR | 330 HP D-off | | $334,694 | 79.02 | 15.18 | 21.21 | 4.57 | 16.23 | 580 |
| | T60KI003 | KT-80 | TRUCK, WATER, OFF-HIGHWAY, 8000 GAL, W/ CAT 631E TRACTOR | 450 HP D-off | | $540,699 | 120.77 | 24.63 | 34.50 | 7.38 | 22.13 | 751 |
| | T60KI004 | KT-100 | TRUCK, WATER, OFF-HIGHWAY, 10000 GAL, W/ CAT 631E TRACTOR | 450 HP D-off | | $114,737 | 55.97 | 4.63 | 6.11 | 1.57 | 22.13 | 811 |
| | T60KI006 | KT-120 | TRUCK, WATER, OFF-HIGHWAY, 12000 GAL, W/ CAT 651E TRACTOR | 550 HP D-off | | $655,896 | 145.58 | 30.00 | 42.10 | 8.95 | 27.04 | 1,097 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **SOUTHWEST CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | | |
| | T60SO001 | STT-60 | TRUCK, WATER, OFF-HIGHWAY, 6000 GAL, W/ CAT 621E TRACTOR | 330 HP | D-off | | $387,610 | 87.07 | 17.66 | 24.74 | 5.29 | 16.23 | 610 |
| | T60SO002 | STT-80 | TRUCK, WATER, OFF-HIGHWAY, 8000 GAL, W/ CAT 631E TRACTOR | 450 HP | D-off | | $536,970 | 120.79 | 24.40 | 34.14 | 7.33 | 22.13 | 812 |
| | T60SO003 | STT-100 | TRUCK, WATER, OFF-HIGHWAY, 10000 GAL, W/ CAT 631E TRACTOR | 450 HP | D-off | | $545,134 | 122.03 | 24.78 | 34.68 | 7.44 | 22.13 | 897 |
| | T60SO004 | STT-120 | TRUCK, WATER, OFF-HIGHWAY, 12000 GAL, W/ CAT 651E TRACTOR | 550 HP | D-off | | $677,489 | 151.35 | 30.76 | 43.04 | 9.24 | 27.04 | 1,149 |
| | T60SO005 | STT-140 | TRUCK, WATER, OFF-HIGHWAY, 14000 GAL, W/ CAT 651E TRACTOR | 550 HP | D-off | | $688,844 | 153.08 | 31.30 | 43.79 | 9.40 | 27.04 | 1,184 |
| W25 | WATER & CO2 BLASTERS | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **LOW PRESSURE, (< 5,000 PSI)** | | | | | | | | | | |
| | | | **SIOUX STEAM CLEANER CORPORATION** | | | | | | | | | | |
| | W25SD001 | 513-5-E | WATER BLASTER, LOW PRESSURE, COLD WATER, 1400 PSI | 5 HP | E | | $3,547 | 2.52 | 0.42 | 0.71 | 0.06 | 0.38 | 4 |
| | W25SD005 | 514-4-G | WATER BLASTER, LOW PRESSURE, COLD WATER, 2500 PSI, 4 GPM | 11 HP | G | | $4,787 | 4.87 | 0.56 | 0.96 | 0.08 | 1.72 | 4 |
| | W25SD003 | 515-5-G | WATER BLASTER, LOW PRESSURE, COLD WATER, 3000 PSI | 14 HP | G | | $5,480 | 5.86 | 0.64 | 1.10 | 0.09 | 2.19 | 5 |
| | W25SD002 | EN-140-H4-1800 | WATER BLASTER, LOW PRESSURE, HOT WATER, 1800 PSI | 3 HP | E | | $8,519 | 5.03 | 0.99 | 1.70 | 0.14 | 0.23 | 5 |
| | W25SD004 | 370H | WATER BLASTER, LOW PRESSURE, HOT WATER, 3000 PSI, TRAILER MTD | 23 HP | G | | $10,711 | 10.50 | 1.22 | 2.09 | 0.17 | 3.61 | 19 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | W25XX005 | COLD 3/1000G | WATER BLASTER, LOW PRESSURE, COLD WATER, 700 PSI, 3 GPM | 5 HP | G | | $1,640 | 1.92 | 0.20 | 0.33 | 0.03 | 0.78 | 4 |
| | W25XX006 | COLD 4/1000G | WATER BLASTER, LOW PRESSURE, COLD WATER, 1200 PSI, 3 GPM | 5 HP | G | | $2,303 | 2.28 | 0.27 | 0.46 | 0.04 | 0.78 | 4 |
| | W25XX007 | COLD 4/2000G | WATER BLASTER, LOW PRESSURE, COLD WATER, 2000 PSI, 4 GPM | 8 HP | G | | $3,106 | 3.33 | 0.36 | 0.62 | 0.05 | 1.25 | 2 |
| | W25XX008 | COLD 4/3000G | WATER BLASTER, LOW PRESSURE, COLD WATER, 3000 PSI, 4 GPM | 11 HP | G | | $3,209 | 3.99 | 0.37 | 0.64 | 0.05 | 1.72 | 6 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *W25* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | | |
| | W25XX009 | HOT 4/1000G | WATER BLASTER, LOW PRESSURE, HOT WATER/STEAM, 1000 PSI, 4 GPM | 8 HP | G | | $6,483 | 5.19 | 0.75 | 1.30 | 0.10 | 1.25 | 6 |
| | W25XX010 | HOT 6/3000G | WATER BLASTER, LOW PRESSURE, HOT WATER/STEAM, 3000 PSI, 6 GPM | 24 HP | G | | $9,926 | 10.35 | 1.16 | 1.99 | 0.16 | 3.76 | 10 |
| | **SUBCATEGORY 0.20** | | **HIGH PRESSURE, (>= 5,000 PSI)** | | | | | | | | | | |
| | | | **NLB CORPORATION** | | | | | | | | | | |
| | W25NL001 | 6200E | WATER BLASTER, HIGH PRESSURE, 50 GPM @ 6000 PSI | 200 HP | E | | $60,433 | 58.08 | 7.01 | 12.09 | 0.96 | 15.39 | 118 |
| | W25NL003 | 201536D | WATER BLASTER, HIGH PRESSURE, 13.2 GPM @ 20000 PSI, SKID, W/ 50 LF HOSE & CLEANING LANCE | 150 HP | D-off | | $65,535 | 52.77 | 7.60 | 13.11 | 1.04 | 10.95 | 78 |
| | W25NL002 | 20253D | WATER BLASTER, HIGH PRESSURE, 22 GPM @ 20000 PSI, SKID (ADD TRUCK, FLATBED TRAILER & WATER TANKER) | 335 HP | D-off | | $102,147 | 92.22 | 11.85 | 20.43 | 1.63 | 24.46 | 140 |
| | W25NL005 | 20600D | WATER BLASTER, HIGH PRESSURE, 53 GPM @ 20000 PSI, SKID (ADD TRUCK, FLATBED TRAILER & WATER TANKER) | 700 HP | D-off | | $251,559 | 214.80 | 29.16 | 50.31 | 4.00 | 51.11 | 200 |
| | W25NL004 | 4400 | WATER BLASTER, HIGH PRESSURE, HYDRODEMOLITION UNIT CONCRETE BUSTER (ADD MODEL 20600D WATER BLASTER) | 40 HP | D-off | | $134,946 | 81.62 | 15.42 | 26.54 | 2.15 | 2.92 | 80 |
| | **SUBCATEGORY 0.30** | | **STEAM CLEANERS** | | | | | | | | | | |
| | | | **ALKOTA CLEANING SYSTEMS, INC.** | | | | | | | | | | |
| | W25AO001 | 90 | WATER BLASTER, STEAM CLEANER, 90 GPH, 200 PSI | 1 HP | E | | $2,360 | 1.92 | 0.28 | 0.47 | 0.04 | 0.08 | 4 |
| | W25AO002 | 120 | WATER BLASTER, STEAM CLEANER, 130 GPH, 325 PSI | 1 HP | E | | $2,893 | 2.47 | 0.34 | 0.58 | 0.05 | 0.08 | 4 |
| | W25AO003 | 181 | WATER BLASTER, STEAM CLEANER, 180 GPH, 250 PSI | 2 HP | E | | $4,279 | 3.33 | 0.50 | 0.86 | 0.07 | 0.15 | 6 |
| | W25AO004 | 240 | WATER BLASTER, STEAM CLEANER, 240 GPH, 250 PSI | 2 HP | E | | $4,136 | 3.50 | 0.49 | 0.83 | 0.07 | 0.15 | 6 |
| | W25AO005 | 301T | WATER BLASTER, STEAM CLEANER, 300 GPH, 100 PSI | 4 HP | E | | $8,810 | 6.80 | 1.02 | 1.76 | 0.14 | 0.31 | 10 |
| | W25AO006 | 246 | WATER BLASTER, STEAM GENERATOR, 100 PSI | 1 HP | E | | $5,678 | 4.00 | 0.66 | 1.14 | 0.09 | 0.08 | 7 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.40** | | **CO2 BLASTERS** | | | | | | | | | | |
| | | | **COLD JET** | | | | | | | | | | |
| | W25CJ001 | P750B | CARBON DIOXIDE (CO2) BLASTER, 600 LBS/HR, SINGLE HOSE DELIVERY (ADD 65-100 CFM COMPRESSOR) | 20 HP | E | | $65,326 | 24.73 | 5.33 | 8.71 | 0.97 | 1.13 | 34 |
| | W25CJ002 | P1500B | CARBON DIOXIDE (CO2) BLASTER, 1200 LBS/HR,SINGLE HOSE DELIVERY (ADD 65-150CFM COMPRESSOR) | 24 HP | E | | $101,231 | 37.68 | 8.25 | 13.50 | 1.50 | 1.36 | 37 |
| | W25CJ003 | P3000B | CARBON DIOXIDE (CO2) BLASTER, 1200 LBS/HR, DUAL HOSE DELIVERY (ADD 65-200CFM COMPRESSOR) | 24 HP | E | | $174,316 | 63.29 | 14.20 | 23.24 | 2.58 | 1.36 | 66 |
| | **SUBCATEGORY 0.50** | | **WET ABRASIVE BLASTING SYSTEM (TORBO)** | | | | | | | | | | |
| | | | **KEIZER TECHNOLOGIES AMERICAS, INC** | | | | | | | | | | |
| | W25KZ001 | TORBO M120 | WATER BLASTER, WET ABRASIVE BLASTER, 4.2 CFT, 170 PSI, (INCLUDES HOSES & NOZZLE, ADD 350 CFM AIR COMPRESSOR) | 350 CFM | A | | $17,634 | 2.28 | 0.85 | 1.15 | 0.27 | 0.00 | 4 |
| | W25KZ002 | TORBO M120 | WATER BLASTER, WET ABRASIVE BLASTER, 4.2 CFT, 170 PSI, W/MIX RUST INHIBITOR INJECTOR (INCLUDES HOSES & NOZZLE, ADD 350 CFM AIR COMPRESSOR) | 350 CFM | A | | $19,525 | 2.52 | 0.94 | 1.27 | 0.30 | 0.00 | 4 |
| | W25KZ003 | LOC RESTORATION UNIT | WATER BLASTER, WET ABRASIVE BLASTER, 4.2 CFT, 170 PSI, W/ LOC RESTORATION UNIT (INCLUDES HOSES & NOZZLE, ADD 350 CFM AIR COMPRESSOR) | 350 CFM | A | | $19,961 | 2.57 | 0.95 | 1.30 | 0.30 | 0.00 | 4 |
| | W25KZ004 | TORBO M320 | WATER BLASTER, WET ABRASIVE BLASTER, 13.0 CFT, 170 PSI, (INCLUDES HOSES & NOZZLE, ADD 385 CFM AIR COMPRESSOR) | 385 CFM | A | | $28,382 | 3.65 | 1.35 | 1.84 | 0.43 | 0.00 | 8 |
| | W25KZ005 | TORBO XL320 | WATER BLASTER, WET ABRASIVE BLASTER, 13.0 CFT, 170 PSI, (INCLUDES HOSES & NOZZLE, ADD 385 CFM AIR COMPRESSOR) | 385 CFM | A | | $33,522 | 4.32 | 1.60 | 2.18 | 0.51 | 0.00 | 8 |
| | W25KZ006 | TORBO XL320 | WATER BLASTER, WET ABRASIVE BLASTER, 19.0 CFT, 170 PSI, (INCLUDES HOSES & NOZZLE, ADD 385 CFM AIR COMPRESSOR) | 385 CFM | A | | $34,160 | 4.40 | 1.63 | 2.22 | 0.52 | 0.00 | 9 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *W25* | | | *KEIZER TECHNOLOGIES AMERICAS, INC (continued)* | | | | | | | | | |
| | W25KZ007 | TORBO XL320 | WATER BLASTER, WET ABRASIVE BLASTER, 19.0 CFT, 170 PSI, W/MIX RUST INHIBATOR INJECTOR,(INCLUDES HOSES & NOZZLE, ADD 385 CFM AIR COMPRESSOR) | 385 CFM A | | $36,439 | 4.69 | 1.74 | 2.37 | 0.55 | 0.00 | 9 |
| **W30** | **WATER TANKS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **PORTABLE WITH WHEELS** | | | | | | | | | |
| | | | **SOUTHWEST CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | |
| | W30SO001 | EWT-8C | WATER TANK, PORTABLE, WHEEL, 8000 GAL, 10" PIPE | 8 HP G | | $42,600 | 7.27 | 1.95 | 2.74 | 0.58 | 0.86 | 130 |
| | W30SO002 | EWT-10C | WATER TANK, PORTABLE, WHEEL, 10000 GAL, 10" PIPE | 8 HP G | | $50,750 | 8.43 | 2.34 | 3.29 | 0.69 | 0.86 | 170 |
| | W30SO003 | EWT-12C | WATER TANK, PORTABLE, WHEEL, 12000 GAL, 10" PIPE | 8 HP G | | $55,227 | 9.06 | 2.54 | 3.58 | 0.75 | 0.86 | 185 |
| | **SUBCATEGORY 0.20** | | **SKID MOUNTED** | | | | | | | | | |
| | | | **SOUTHWEST CONSTRUCTION EQUIPMENT CO.** | | | | | | | | | |
| | W30SO004 | WST-8 | WATER TANK, SKID, 8000 GAL, 10" PIPE | | | $27,127 | 3.58 | 1.28 | 1.81 | 0.37 | 0.00 | 107 |
| | W30SO005 | WST-10 | WATER TANK, SKID, 10000 GAL, 10" PIPE | | | $30,278 | 3.99 | 1.42 | 2.02 | 0.41 | 0.00 | 122 |
| | W30SO006 | WST-12 | WATER TANK, SKID, 12000 GAL, 10" PIPE | | | $34,922 | 4.61 | 1.65 | 2.33 | 0.48 | 0.00 | 142 |
| **W35** | **WELDERS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **ENGINE DRIVEN** | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | W35XX020 | GAS 150 AC | WELDER, ENGINE DRIVEN, GAS, AC, 150 AMP, 4.5 KW, PORTABLE SKID | 11 HP G | | $2,054 | 2.33 | 0.13 | 0.19 | 0.03 | 1.45 | 2 |
| | W35XX021 | GAS 225 AC/DC-CC | WELDER, ENGINE DRIVEN, GAS, AC/DC-CC, 225 AMP, 5-8 KW, TRAILER MTD | 17 HP G | | $5,403 | 4.12 | 0.33 | 0.49 | 0.08 | 2.24 | 6 |
| | W35XX022 | GAS 250 AC/DC-CC/CV | WELDER, ENGINE DRIVEN, GAS, AC/DC-CC/CV, 250 AMP, 9 KW, TRAILER MTD | 18 HP G | | $5,455 | 4.31 | 0.33 | 0.49 | 0.08 | 2.38 | 6 |

# Table 2-1. HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

| CAT | REGION 7 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER - FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 2000 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *W35* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | | |
| | W35XX023 | GAS 300 DC-CC | WELDER, ENGINE DRIVEN, GAS, DC-CC, 300 AMP, 3 KW, TRAILER MTD | 45 HP | G | | $9,057 | 9.73 | 0.55 | 0.83 | 0.13 | 5.94 | 14 |
| | W35XX024 | DIESEL 400 DC-CC/CV | WELDER, ENGINE DRIVEN, DIESEL, DC-CC/CV, 400 AMP, 2-10 KW, TRAILER MTD | 48 HP | D-off | | $14,597 | 7.05 | 0.89 | 1.35 | 0.21 | 2.93 | 21 |
| | W35XX025 | DIESEL 500 DC-CC/CV | WELDER, ENGINE DRIVEN, DIESEL, DC-CC/CV, 500 AMP, 4 KW, TRAILER MTD | 42 HP | D-off | | $16,290 | 6.97 | 1.00 | 1.51 | 0.24 | 2.57 | 18 |
| | **SUBCATEGORY 0.20** | | **ELECTRIC DRIVEN** | | | | | | | | | | |
| | | | **LINCOLN ELECTRIC COMPANY** | | | | | | | | | | |
| | W35LC018 | SP-170T | WELDER, ELECTRIC DRIVEN, 170 AMP, WIRE FEEDER | 5 HP | E | | $808 | 0.38 | 0.07 | 0.11 | 0.01 | 0.12 | 1 |
| | W35LC010 | LINCWELD 225/125 | WELDER, ELECTRIC DRIVEN, 225 AMP, STICK | 15 HP | E | | $467 | 0.66 | 0.04 | 0.06 | 0.01 | 0.36 | 1 |
| | W35LC019 | IDEAL ARC SP-225 | WELDER, ELECTRIC DRIVEN, 250 AMP, WIRE FEEDER | 11 HP | E | | $2,291 | 0.97 | 0.19 | 0.31 | 0.03 | 0.27 | 3 |
| | W35LC011 | IDEAL ARC R3R-300 | WELDER, ELECTRIC DRIVEN, 300 AMP, STICK | 27 HP | E | | $2,852 | 1.70 | 0.23 | 0.38 | 0.04 | 0.66 | 4 |
| | W35LC012 | IDEAL ARC R3R-400 | WELDER, ELECTRIC DRIVEN, 400 AMP, STICK | 35 HP | E | | $2,870 | 1.98 | 0.23 | 0.38 | 0.04 | 0.85 | 5 |
| | W35LC013 | IDEAL ARC R3R-500 | WELDER, ELECTRIC DRIVEN, 500 AMP, STICK | 41 HP | E | | $2,860 | 2.21 | 0.23 | 0.38 | 0.04 | 1.00 | 5 |
| | W35LC020 | PROCUT 80 | WELDER, ELECTRIC DRIVEN, CUTTING TORCH, 85 AMP, PLASMA | 26 HP | E | | $3,516 | 1.82 | 0.29 | 0.47 | 0.05 | 0.63 | 1 |

**Table 2-2. Hourly Rate Elements**

This Table Contains All Hourly Rate Elements as

Described in Chapter 2

For

Average and Severe Operating Conditions.

Refer to Chapter 2, Section II. Operating Condition

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| A10 | | | | | | | | | | | | | | | | | |
| | A10AR001 | 0.51 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 1.04 | | | | | | | | |
| | A10AR002 | 1.27 | 0.14 | 0.00 | 0.20 | 0.00 | 0.00 | 1.16 | 2.77 | | | | | | | | |
| | A10RS003 | 8.69 | 1.27 | 8.15 | 2.43 | 0.43 | 0.08 | 9.99 | 31.04 | | | | | | | | |
| | A10RS004 | 8.99 | 1.31 | 8.15 | 2.43 | 0.43 | 0.08 | 10.33 | 31.72 | | | | | | | | |
| | A10RS005 | 9.35 | 1.36 | 8.15 | 2.43 | 0.43 | 0.08 | 10.74 | 32.54 | | | | | | | | |
| | A10RS006 | 9.71 | 1.41 | 8.15 | 2.43 | 0.43 | 0.08 | 11.15 | 33.36 | | | | | | | | |
| | A10RS007 | 8.88 | 1.29 | 8.15 | 2.43 | 0.43 | 0.08 | 10.21 | 31.47 | | | | | | | | |
| | A10RS008 | 16.08 | 2.34 | 11.53 | 3.43 | 0.68 | 0.12 | 18.47 | 52.65 | | | | | | | | |
| A15 | | | | | | | | | | | | | | | | | |
| | A15IA001 | 1.61 | 0.28 | 3.25 | 1.13 | 0.04 | 0.01 | 1.81 | 8.13 | | | | | | | | |
| | A15IA002 | 3.50 | 0.61 | 6.39 | 2.22 | 0.04 | 0.01 | 3.93 | 16.70 | | | | | | | | |
| | A15IA003 | 4.16 | 0.73 | 10.11 | 3.51 | 0.09 | 0.02 | 4.68 | 23.30 | | | | | | | | |
| | A15IA004 | 4.16 | 0.73 | 10.11 | 3.51 | 0.09 | 0.02 | 4.68 | 23.30 | | | | | | | | |
| | A15IA005 | 4.16 | 0.73 | 10.11 | 3.51 | 0.09 | 0.02 | 4.68 | 23.30 | | | | | | | | |
| | A15IA006 | 9.20 | 1.61 | 17.43 | 6.05 | 0.18 | 0.03 | 10.34 | 44.84 | | | | | | | | |
| | A15IA007 | 9.65 | 1.69 | 17.43 | 6.05 | 0.18 | 0.03 | 10.84 | 45.87 | | | | | | | | |
| | A15IA008 | 7.27 | 1.28 | 19.47 | 6.76 | 0.18 | 0.03 | 8.17 | 43.16 | | | | | | | | |
| | A15IA009 | 7.28 | 1.28 | 18.01 | 6.25 | 0.18 | 0.03 | 8.18 | 41.21 | | | | | | | | |
| | A15IA010 | 13.05 | 2.28 | 23.24 | 8.07 | 0.18 | 0.03 | 14.66 | 61.51 | | | | | | | | |
| | A15SR002 | 9.76 | 1.72 | 25.57 | 8.88 | 0.28 | 0.05 | 10.97 | 57.23 | | | | | | | | |
| | A15SR004 | 1.12 | 0.20 | 4.53 | 1.57 | 0.04 | 0.01 | 1.26 | 8.73 | | | | | | | | |
| | A15SR005 | 1.40 | 0.25 | 4.65 | 1.61 | 0.04 | 0.01 | 1.57 | 9.53 | | | | | | | | |
| | A15SR006 | 1.04 | 0.18 | 4.42 | 1.53 | 0.04 | 0.01 | 1.17 | 8.39 | | | | | | | | |
| | A15SR007 | 1.04 | 0.18 | 4.47 | 1.55 | 0.04 | 0.01 | 1.17 | 8.46 | | | | | | | | |
| | A15SR008 | 2.28 | 0.40 | 7.15 | 2.48 | 0.09 | 0.02 | 2.57 | 14.99 | | | | | | | | |
| | A15SR009 | 2.28 | 0.40 | 7.21 | 2.50 | 0.09 | 0.02 | 2.57 | 15.07 | | | | | | | | |
| | A15SR010 | 4.22 | 0.75 | 13.37 | 4.64 | 0.18 | 0.03 | 4.75 | 27.94 | | | | | | | | |
| | A15SR011 | 4.92 | 0.87 | 17.43 | 6.05 | 0.18 | 0.03 | 5.54 | 35.02 | | | | | | | | |
| | A15SR012 | 4.84 | 0.86 | 17.43 | 6.05 | 0.18 | 0.03 | 5.45 | 34.84 | | | | | | | | |
| | A15SR013 | 9.07 | 1.59 | 25.57 | 8.88 | 0.18 | 0.03 | 10.19 | 55.51 | | | | | | | | |
| | A15SR014 | 9.00 | 1.59 | 25.57 | 8.88 | 0.36 | 0.06 | 10.14 | 55.60 | | | | | | | | |
| | A15SR015 | 9.73 | 1.72 | 30.51 | 10.59 | 0.36 | 0.06 | 10.95 | 63.92 | | | | | | | | |
| | A15XX019 | 0.69 | 0.12 | 3.71 | 1.47 | 0.04 | 0.01 | 0.78 | 6.82 | | | | | | | | |
| | A15XX020 | 0.97 | 0.17 | 1.74 | 0.60 | 0.04 | 0.01 | 1.10 | 4.63 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***A15*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | A15XX021 | 0.93 | 0.16 | 6.19 | 2.46 | 0.04 | 0.01 | 1.05 | 10.84 | | | | | | | | |
| | A15XX022 | 1.09 | 0.19 | 2.03 | 0.70 | 0.04 | 0.01 | 1.22 | 5.28 | | | | | | | | |
| | A15XX023 | 0.99 | 0.18 | 8.04 | 3.19 | 0.04 | 0.01 | 1.12 | 13.57 | | | | | | | | |
| | A15XX024 | 1.15 | 0.20 | 2.91 | 1.01 | 0.04 | 0.01 | 1.29 | 6.61 | | | | | | | | |
| | A15XX025 | 1.05 | 0.19 | 7.43 | 2.95 | 0.04 | 0.01 | 1.18 | 12.85 | | | | | | | | |
| | A15XX026 | 1.41 | 0.25 | 4.07 | 1.41 | 0.04 | 0.01 | 1.58 | 8.77 | | | | | | | | |
| | A15XX027 | 1.13 | 0.20 | 11.14 | 4.42 | 0.04 | 0.01 | 1.27 | 18.21 | | | | | | | | |
| | A15XX028 | 1.45 | 0.25 | 4.36 | 1.51 | 0.04 | 0.01 | 1.63 | 9.25 | | | | | | | | |
| | A15XX029 | 1.21 | 0.21 | 8.66 | 3.44 | 0.04 | 0.01 | 1.36 | 14.93 | | | | | | | | |
| | A15XX030 | 2.15 | 0.38 | 5.52 | 1.92 | 0.04 | 0.01 | 2.42 | 12.44 | | | | | | | | |
| | A15XX031 | 2.51 | 0.44 | 6.39 | 2.22 | 0.04 | 0.01 | 2.82 | 14.43 | | | | | | | | |
| | A15XX032 | 2.60 | 0.46 | 6.51 | 2.26 | 0.09 | 0.02 | 2.93 | 14.87 | | | | | | | | |
| | A15XX033 | 3.17 | 0.57 | 8.72 | 3.03 | 0.18 | 0.03 | 3.58 | 19.28 | | | | | | | | |
| | A15XX034 | 4.67 | 0.83 | 11.62 | 4.04 | 0.18 | 0.03 | 5.25 | 26.62 | | | | | | | | |
| | A15XX035 | 4.98 | 0.88 | 14.53 | 5.05 | 0.18 | 0.03 | 5.61 | 31.26 | | | | | | | | |
| | A15XX036 | 5.38 | 0.95 | 18.01 | 6.25 | 0.18 | 0.03 | 6.05 | 36.85 | | | | | | | | |
| | A15XX037 | 5.92 | 1.04 | 15.11 | 5.25 | 0.18 | 0.03 | 6.66 | 34.19 | | | | | | | | |
| | A15XX038 | 8.85 | 1.55 | 18.89 | 6.56 | 0.18 | 0.03 | 9.94 | 46.00 | | | | | | | | |
| | A15XX039 | 9.23 | 1.62 | 22.95 | 7.97 | 0.24 | 0.04 | 10.38 | 52.43 | | | | | | | | |
| | A15XX040 | 9.78 | 1.72 | 24.70 | 8.58 | 0.24 | 0.04 | 10.99 | 56.05 | | | | | | | | |
| | A15XX041 | 0.42 | 0.08 | 0.30 | 0.17 | 0.00 | 0.00 | 0.38 | 1.35 | | | | | | | | |
| | A15XX042 | 0.45 | 0.08 | 0.43 | 0.24 | 0.00 | 0.00 | 0.41 | 1.61 | | | | | | | | |
| | A15XX043 | 0.45 | 0.08 | 0.61 | 0.34 | 0.00 | 0.00 | 0.41 | 1.89 | | | | | | | | |
| | A15XX044 | 0.55 | 0.10 | 0.91 | 0.51 | 0.00 | 0.00 | 0.50 | 2.57 | | | | | | | | |
| | A15XX045 | 0.71 | 0.13 | 1.52 | 0.85 | 0.00 | 0.00 | 0.65 | 3.86 | | | | | | | | |
| | A15XX046 | 0.79 | 0.15 | 1.82 | 1.02 | 0.00 | 0.00 | 0.72 | 4.50 | | | | | | | | |
| **A20** | | | | | | | | | | | | | | | | | |
| | A20CK001 | 0.25 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.77 | | | | | | | | |
| | A20CK002 | 0.14 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.43 | | | | | | | | |
| | A20CK003 | 0.28 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 0.86 | | | | | | | | |
| | A20CK005 | 0.33 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 1.01 | | | | | | | | |
| | A20CK006 | 0.20 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.61 | | | | | | | | |
| | A20CK008 | 0.20 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.62 | | | | | | | | |
| | A20CK010 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 0.68 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***A20*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | A20CM010 | 0.48 | 0.04 | 0.00 | 0.06 | 0.00 | 0.00 | 0.95 | 1.53 | | | | | | | | |
| | A20CM011 | 0.53 | 0.05 | 0.00 | 0.06 | 0.00 | 0.00 | 1.05 | 1.69 | | | | | | | | |
| | A20CM012 | 0.57 | 0.05 | 0.00 | 0.13 | 0.00 | 0.00 | 1.15 | 1.90 | | | | | | | | |
| | A20CM013 | 2.32 | 0.23 | 0.00 | 0.28 | 0.14 | 0.02 | 4.65 | 7.64 | | | | | | | | |
| | A20CM014 | 2.63 | 0.27 | 0.00 | 0.41 | 0.30 | 0.05 | 5.29 | 8.95 | | | | | | | | |
| | A20CM015 | 2.89 | 0.29 | 0.00 | 0.50 | 0.24 | 0.04 | 5.80 | 9.76 | | | | | | | | |
| | A20CM016 | 1.97 | 0.18 | 0.00 | 0.30 | 0.00 | 0.00 | 3.92 | 6.37 | | | | | | | | |
| | A20CM017 | 0.13 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.42 | | | | | | | | |
| | A20CM018 | 0.18 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.56 | | | | | | | | |
| | A20CM019 | 0.22 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 0.69 | | | | | | | | |
| | A20CM020 | 0.19 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.60 | | | | | | | | |
| | A20WC002 | 0.21 | 0.02 | 0.11 | 0.20 | 0.00 | 0.00 | 0.42 | 0.96 | | | | | | | | |
| | A20WC004 | 0.57 | 0.05 | 0.43 | 0.17 | 0.00 | 0.00 | 1.14 | 2.36 | | | | | | | | |
| | A20XX001 | 0.33 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 0.97 | | | | | | | | |
| | A20XX002 | 0.38 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 1.12 | | | | | | | | |
| | A20XX003 | 0.47 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 1.39 | | | | | | | | |
| | A20XX004 | 0.62 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 1.16 | 1.82 | | | | | | | | |
| | A20XX005 | 0.87 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | 2.57 | | | | | | | | |
| | A20XX006 | 1.07 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 3.15 | | | | | | | | |
| | A20XX007 | 1.32 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 3.89 | | | | | | | | |
| | A20XX008 | 1.76 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 5.19 | | | | | | | | |
| | A20XX021 | 0.15 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.46 | | | | | | | | |
| | A20XX022 | 0.19 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.59 | | | | | | | | |
| | A20XX023 | 0.24 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 0.74 | | | | | | | | |
| | A20XX024 | 0.25 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 0.78 | | | | | | | | |
| | A20XX025 | 0.34 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 1.06 | | | | | | | | |
| **A25** | | | | | | | | | | | | | | | | | |
| | A25RS006 | 6.52 | 0.61 | 0.00 | 1.16 | 0.00 | 0.00 | 7.52 | 15.81 | | | | | | | | |
| | A25RS008 | 7.52 | 0.70 | 0.00 | 1.80 | 0.00 | 0.00 | 8.66 | 18.68 | | | | | | | | |
| | A25XX001 | 6.52 | 0.61 | 0.00 | 0.64 | 0.00 | 0.00 | 7.51 | 15.28 | | | | | | | | |
| | A25XX002 | 7.62 | 0.71 | 0.00 | 1.51 | 0.00 | 0.00 | 8.78 | 18.62 | | | | | | | | |
| | A25XX003 | 8.33 | 0.78 | 0.00 | 2.09 | 0.00 | 0.00 | 9.59 | 20.79 | | | | | | | | |
| **A30** | | | | | | | | | | | | | | | | | |
| | A30BG003 | 32.03 | 4.29 | 9.33 | 4.74 | 2.21 | 0.39 | 46.17 | 99.16 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***A30*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | A30BG004 | 29.29 | 3.81 | 6.49 | 3.75 | 0.00 | 0.00 | 42.04 | 85.38 | | | | | | | | |
| | A30BG005 | 35.27 | 4.58 | 9.28 | 4.72 | 0.00 | 0.00 | 50.63 | 104.48 | | | | | | | | |
| | A30BG007 | 27.67 | 3.65 | 5.74 | 3.49 | 0.92 | 0.16 | 39.80 | 81.43 | | | | | | | | |
| | A30BG008 | 21.82 | 2.89 | 5.74 | 1.99 | 0.92 | 0.16 | 31.40 | 64.92 | | | | | | | | |
| | A30BG009 | 30.75 | 4.08 | 8.21 | 2.85 | 1.67 | 0.29 | 44.27 | 92.12 | | | | | | | | |
| | A30BK010 | 14.09 | 1.87 | 2.52 | 0.88 | 0.72 | 0.13 | 20.29 | 40.50 | | | | | | | | |
| | A30BK011 | 22.80 | 3.01 | 5.74 | 1.99 | 0.92 | 0.16 | 32.80 | 67.42 | | | | | | | | |
| | A30BK013 | 27.26 | 3.60 | 7.78 | 2.70 | 1.26 | 0.22 | 39.23 | 82.05 | | | | | | | | |
| | A30BK015 | 31.32 | 4.15 | 9.87 | 3.43 | 1.57 | 0.28 | 45.08 | 95.70 | | | | | | | | |
| | A30BK017 | 33.70 | 4.38 | 9.87 | 3.43 | 0.00 | 0.00 | 48.38 | 99.76 | | | | | | | | |
| | A30BK018 | 34.25 | 4.45 | 9.87 | 3.43 | 0.00 | 0.00 | 49.16 | 101.16 | | | | | | | | |
| | A30BK019 | 20.36 | 2.68 | 5.63 | 1.96 | 0.46 | 0.08 | 29.27 | 60.44 | | | | | | | | |
| | A30BK020 | 26.31 | 3.45 | 9.28 | 3.22 | 0.51 | 0.09 | 37.82 | 80.68 | | | | | | | | |
| | A30BK021 | 60.59 | 7.87 | 9.44 | 3.28 | 0.00 | 0.00 | 86.96 | 168.14 | | | | | | | | |
| | A30BK022 | 25.48 | 3.37 | 7.78 | 2.70 | 1.26 | 0.22 | 36.67 | 77.48 | | | | | | | | |
| | A30BK023 | 28.83 | 3.75 | 7.78 | 2.70 | 0.00 | 0.00 | 41.38 | 84.44 | | | | | | | | |
| | A30BK024 | 22.40 | 3.92 | 9.05 | 3.14 | 0.54 | 0.09 | 27.38 | 66.52 | | | | | | | | |
| | A30CA001 | 5.84 | 0.76 | 1.88 | 0.65 | 0.00 | 0.00 | 8.38 | 17.51 | | | | | | | | |
| | A30CA002 | 25.46 | 3.37 | 5.74 | 1.99 | 1.17 | 0.21 | 36.65 | 74.59 | | | | | | | | |
| | A30CA007 | 8.59 | 1.51 | 5.26 | 1.83 | 0.31 | 0.05 | 10.51 | 28.06 | | | | | | | | |
| | A30CA008 | 30.43 | 4.03 | 9.33 | 3.24 | 1.51 | 0.27 | 43.80 | 92.61 | | | | | | | | |
| | A30CA009 | 37.90 | 4.93 | 9.39 | 3.26 | 0.00 | 0.00 | 54.39 | 109.87 | | | | | | | | |
| | A30CA013 | 27.34 | 3.55 | 6.49 | 2.25 | 0.00 | 0.00 | 39.24 | 78.87 | | | | | | | | |
| | A30CA014 | 27.91 | 3.71 | 8.21 | 2.85 | 1.67 | 0.29 | 40.19 | 84.83 | | | | | | | | |
| | A30CA015 | 36.20 | 4.70 | 9.33 | 3.24 | 0.00 | 0.00 | 51.96 | 105.43 | | | | | | | | |
| | A30CA016 | 35.61 | 4.63 | 9.33 | 3.24 | 0.00 | 0.00 | 51.11 | 103.92 | | | | | | | | |
| | A30CH001 | 25.09 | 3.31 | 5.90 | 2.05 | 0.92 | 0.16 | 36.10 | 73.53 | | | | | | | | |
| | A30CH002 | 27.32 | 3.61 | 8.15 | 2.83 | 1.26 | 0.22 | 39.31 | 82.70 | | | | | | | | |
| | A30CH003 | 27.99 | 3.64 | 8.15 | 2.83 | 0.00 | 0.00 | 40.17 | 82.78 | | | | | | | | |
| | A30CH004 | 28.77 | 3.81 | 8.15 | 2.83 | 1.35 | 0.24 | 41.41 | 86.56 | | | | | | | | |
| | A30CH005 | 31.37 | 4.15 | 9.28 | 3.22 | 1.61 | 0.28 | 45.15 | 95.06 | | | | | | | | |
| | A30CH006 | 37.31 | 4.85 | 10.73 | 3.73 | 0.00 | 0.00 | 53.55 | 110.17 | | | | | | | | |
| | A30EJ001 | 21.06 | 2.79 | 6.97 | 2.42 | 0.97 | 0.17 | 30.31 | 64.69 | | | | | | | | |
| | A30EJ002 | 23.92 | 3.11 | 6.97 | 2.42 | 0.00 | 0.00 | 34.33 | 70.75 | | | | | | | | |
| | A30EJ003 | 24.34 | 3.25 | 9.23 | 3.21 | 1.79 | 0.31 | 35.08 | 77.21 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***A30*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | A30EJ004 | 27.61 | 3.59 | 9.23 | 3.21 | 0.00 | 0.00 | 39.63 | 83.27 | | | | | | | | |
| | A30EJ005 | 26.57 | 3.64 | 9.23 | 3.21 | 3.01 | 0.53 | 38.45 | 84.64 | | | | | | | | |
| | A30EJ006 | 30.63 | 3.98 | 9.23 | 3.21 | 0.00 | 0.00 | 43.96 | 91.01 | | | | | | | | |
| | A30GC001 | 3.06 | 0.40 | 2.89 | 1.15 | 0.06 | 0.01 | 4.40 | 11.97 | | | | | | | | |
| | A30GC002 | 3.39 | 0.44 | 1.34 | 0.47 | 0.06 | 0.01 | 4.87 | 10.58 | | | | | | | | |
| | A30GC003 | 4.34 | 0.56 | 2.89 | 1.15 | 0.00 | 0.00 | 6.23 | 15.17 | | | | | | | | |
| | A30GC004 | 4.70 | 0.61 | 2.20 | 0.76 | 0.00 | 0.00 | 6.75 | 15.02 | | | | | | | | |
| | A30LD001 | 9.84 | 1.73 | 5.41 | 1.88 | 0.40 | 0.07 | 12.05 | 31.38 | | | | | | | | |
| | A30MY001 | 9.54 | 1.65 | 3.93 | 1.36 | 0.00 | 0.00 | 11.64 | 28.12 | | | | | | | | |
| | A30MY002 | 12.38 | 2.15 | 4.92 | 1.71 | 0.00 | 0.00 | 15.11 | 36.27 | | | | | | | | |
| | A30RT001 | 36.48 | 6.33 | 13.52 | 4.69 | 0.05 | 0.01 | 44.51 | 105.59 | | | | | | | | |
| | A30RT002 | 38.28 | 6.65 | 13.52 | 4.69 | 0.12 | 0.02 | 46.71 | 109.99 | | | | | | | | |
| | A30XX001 | 8.67 | 1.81 | 5.08 | 1.49 | 0.72 | 0.13 | 7.30 | 25.20 | | | | | | | | |
| | A30XX002 | 10.11 | 2.07 | 5.08 | 1.49 | 0.00 | 0.00 | 8.48 | 27.23 | | | | | | | | |
| **A35** | | | | | | | | | | | | | | | | | |
| | A35AE001 | 1.18 | 0.14 | 0.54 | 2.16 | 0.06 | 0.01 | 1.45 | 5.54 | | | | | | | | |
| | A35AE002 | 1.22 | 0.14 | 0.54 | 2.86 | 0.06 | 0.01 | 1.50 | 6.33 | | | | | | | | |
| | A35AE003 | 1.32 | 0.15 | 0.54 | 3.21 | 0.04 | 0.01 | 1.62 | 6.89 | | | | | | | | |
| | A35AE004 | 1.45 | 0.16 | 0.54 | 4.11 | 0.04 | 0.01 | 1.78 | 8.09 | | | | | | | | |
| | A35AE005 | 1.56 | 0.18 | 0.54 | 6.31 | 0.09 | 0.02 | 1.92 | 10.62 | | | | | | | | |
| **A40** | | | | | | | | | | | | | | | | | |
| | A40CA008 | 58.42 | 6.48 | 37.25 | 12.94 | 0.00 | 0.00 | 89.09 | 204.18 | | | | | | | | |
| | A40CA009 | 85.89 | 9.53 | 46.56 | 16.17 | 0.00 | 0.00 | 130.99 | 289.14 | | | | | | | | |
| | A40CW001 | 102.95 | 11.42 | 76.74 | 26.65 | 0.00 | 0.00 | 157.00 | 374.76 | | | | | | | | |
| | A40RT001 | 39.11 | 4.39 | 17.14 | 5.95 | 0.63 | 0.11 | 59.79 | 127.12 | | | | | | | | |
| | A40RT002 | 51.79 | 5.74 | 18.63 | 6.47 | 0.00 | 0.00 | 78.98 | 161.61 | | | | | | | | |
| | A40RT003 | 64.06 | 7.10 | 34.27 | 11.90 | 0.00 | 0.00 | 97.69 | 215.02 | | | | | | | | |
| | A40RT004 | 82.19 | 9.12 | 59.60 | 20.70 | 0.00 | 0.00 | 125.34 | 296.95 | | | | | | | | |
| | A40RT005 | 87.50 | 9.71 | 59.60 | 20.70 | 0.00 | 0.00 | 133.44 | 310.95 | | | | | | | | |
| | A40RT006 | 96.91 | 10.75 | 59.60 | 20.70 | 0.00 | 0.00 | 147.79 | 335.75 | | | | | | | | |
| **A45** | | | | | | | | | | | | | | | | | |
| | A45AE001 | 1.28 | 0.12 | 0.00 | 7.10 | 0.03 | 0.01 | 1.76 | 10.30 | | | | | | | | |
| | A45AE002 | 2.52 | 0.24 | 0.00 | 14.25 | 0.03 | 0.01 | 3.47 | 20.52 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***A45*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | A45AE003 | 2.98 | 0.29 | 0.00 | 16.85 | 0.03 | 0.01 | 4.10 | 24.26 | | | | | | | | |
| | A45RS001 | 6.07 | 0.59 | 4.18 | 1.95 | 0.09 | 0.02 | 8.35 | 21.25 | | | | | | | | |
| | A45RS002 | 20.08 | 1.91 | 12.06 | 4.69 | 0.00 | 0.00 | 27.56 | 66.30 | | | | | | | | |
| | A45SE002 | 3.99 | 0.38 | 2.15 | 2.10 | 0.03 | 0.01 | 5.48 | 14.14 | | | | | | | | |
| | A45SE003 | 5.55 | 0.53 | 1.48 | 2.51 | 0.08 | 0.01 | 7.64 | 17.80 | | | | | | | | |
| | A45SE004 | 2.79 | 0.28 | 1.72 | 1.18 | 0.13 | 0.02 | 3.87 | 9.99 | | | | | | | | |
| **B10** | | | | | | | | | | | | | | | | | |
| | B10CC007 | 3.14 | 0.46 | 1.93 | 3.77 | 0.14 | 0.02 | 4.82 | 14.28 | | | | | | | | |
| | B10CC008 | 6.69 | 1.03 | 17.48 | 10.44 | 1.29 | 0.23 | 10.36 | 47.52 | | | | | | | | |
| | B10CC009 | 8.85 | 1.39 | 21.45 | 12.26 | 2.15 | 0.38 | 13.78 | 60.26 | | | | | | | | |
| | B10CC010 | 9.75 | 1.52 | 21.45 | 12.51 | 2.15 | 0.38 | 15.15 | 62.91 | | | | | | | | |
| | B10CC011 | 2.01 | 0.29 | 1.05 | 1.59 | 0.00 | 0.00 | 3.06 | 8.00 | | | | | | | | |
| | B10CC012 | 1.99 | 0.28 | 1.93 | 1.52 | 0.00 | 0.00 | 3.03 | 8.75 | | | | | | | | |
| | B10CC013 | 2.39 | 0.34 | 1.93 | 1.57 | 0.00 | 0.00 | 3.65 | 9.88 | | | | | | | | |
| | B10CC014 | 0.62 | 0.09 | 0.26 | 0.65 | 0.00 | 0.00 | 0.95 | 2.57 | | | | | | | | |
| | B10CL005 | 16.43 | 2.40 | 6.32 | 5.53 | 0.78 | 0.14 | 25.18 | 56.78 | | | | | | | | |
| | B10CL006 | 19.97 | 2.90 | 6.32 | 5.53 | 0.78 | 0.14 | 30.58 | 66.22 | | | | | | | | |
| | B10CL015 | 13.89 | 2.03 | 1.58 | 3.38 | 0.73 | 0.13 | 21.31 | 43.05 | | | | | | | | |
| | B10CL021 | 7.40 | 1.08 | 1.84 | 1.03 | 0.43 | 0.08 | 11.36 | 23.22 | | | | | | | | |
| | B10CL025 | 24.88 | 3.56 | 10.53 | 5.88 | 0.25 | 0.04 | 37.98 | 83.12 | | | | | | | | |
| | B10CL027 | 1.83 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 2.80 | 4.89 | | | | | | | | |
| | B10CL032 | 0.38 | 0.05 | 0.53 | 0.30 | 0.00 | 0.00 | 0.57 | 1.83 | | | | | | | | |
| | B10CL034 | 0.75 | 0.11 | 1.05 | 0.59 | 0.00 | 0.00 | 1.15 | 3.65 | | | | | | | | |
| | B10CL036 | 0.31 | 0.04 | 0.42 | 0.23 | 0.00 | 0.00 | 0.48 | 1.48 | | | | | | | | |
| | B10CL040 | 0.43 | 0.06 | 1.05 | 0.59 | 0.00 | 0.00 | 0.66 | 2.79 | | | | | | | | |
| | B10CL042 | 0.29 | 0.04 | 0.26 | 0.15 | 0.00 | 0.00 | 0.44 | 1.18 | | | | | | | | |
| | B10CL045 | 0.37 | 0.05 | 0.53 | 0.30 | 0.00 | 0.00 | 0.56 | 1.81 | | | | | | | | |
| | B10EM001 | 36.90 | 5.36 | 2.68 | 3.56 | 1.54 | 0.27 | 56.51 | 106.82 | | | | | | | | |
| | B10EM002 | 0.44 | 0.10 | 1.05 | 1.59 | 0.42 | 0.07 | 0.74 | 4.41 | | | | | | | | |
| | B10EM003 | 2.27 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 3.46 | 6.05 | | | | | | | | |
| | B10KB001 | 9.66 | 1.71 | 5.00 | 2.79 | 0.46 | 0.08 | 14.80 | 34.50 | | | | | | | | |
| | B10KB002 | 17.89 | 3.14 | 11.58 | 6.46 | 0.51 | 0.09 | 27.35 | 67.02 | | | | | | | | |
| | B10RC006 | 16.85 | 2.47 | 2.40 | 5.84 | 0.91 | 0.16 | 25.85 | 54.48 | | | | | | | | |
| | B10RC007 | 12.11 | 1.77 | 0.79 | 2.94 | 0.53 | 0.09 | 18.56 | 36.79 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***B10*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | B10RC008 | 14.30 | 2.08 | 1.58 | 3.38 | 0.53 | 0.09 | 21.89 | 43.85 | | | | | | | | |
| | B10RC016 | 20.91 | 3.05 | 3.95 | 7.70 | 0.91 | 0.16 | 32.05 | 68.73 | | | | | | | | |
| | B10RC027 | 13.36 | 1.90 | 2.11 | 3.18 | 0.00 | 0.00 | 20.37 | 40.92 | | | | | | | | |
| | B10RC028 | 15.00 | 2.13 | 3.16 | 4.01 | 0.00 | 0.00 | 22.88 | 47.18 | | | | | | | | |
| | B10RC029 | 16.95 | 2.41 | 4.21 | 4.85 | 0.00 | 0.00 | 25.85 | 54.27 | | | | | | | | |
| | B10RC030 | 18.46 | 2.63 | 5.27 | 6.69 | 0.00 | 0.00 | 28.15 | 61.20 | | | | | | | | |
| | B10RC031 | 19.48 | 2.77 | 6.32 | 7.53 | 0.00 | 0.00 | 29.71 | 65.81 | | | | | | | | |
| | B10RC032 | 18.51 | 2.71 | 2.63 | 5.97 | 0.91 | 0.16 | 28.38 | 59.27 | | | | | | | | |
| | B10SN031 | 3.83 | 0.62 | 0.79 | 1.79 | 0.97 | 0.17 | 6.01 | 14.18 | | | | | | | | |
| | B10SN032 | 9.80 | 1.47 | 1.58 | 2.63 | 0.98 | 0.17 | 15.12 | 31.75 | | | | | | | | |
| | B10SN033 | 8.16 | 1.24 | 1.58 | 2.38 | 0.96 | 0.17 | 12.61 | 27.10 | | | | | | | | |
| | B10SN034 | 9.49 | 1.43 | 1.05 | 2.09 | 0.98 | 0.17 | 14.64 | 29.85 | | | | | | | | |
| | B10SN035 | 10.53 | 1.58 | 1.05 | 2.24 | 0.98 | 0.17 | 16.23 | 32.78 | | | | | | | | |
| | B10SN036 | 12.99 | 1.93 | 2.37 | 3.07 | 0.98 | 0.17 | 19.98 | 41.49 | | | | | | | | |
| **B15** | | | | | | | | | | | | | | | | | |
| | B15BM001 | 2.95 | 0.35 | 3.93 | 1.36 | 0.00 | 0.00 | 3.18 | 11.77 | | | | | | | | |
| | B15EC001 | 16.03 | 1.94 | 4.48 | 1.56 | 0.50 | 0.09 | 17.34 | 41.94 | | | | | | | | |
| | B15EC002 | 10.20 | 1.23 | 4.92 | 1.71 | 0.27 | 0.05 | 11.03 | 29.41 | | | | | | | | |
| | B15FS001 | 16.69 | 1.99 | 11.31 | 3.93 | 0.09 | 0.02 | 18.03 | 52.06 | | | | | | | | |
| | B15JS001 | 8.92 | 1.07 | 4.62 | 1.60 | 0.09 | 0.02 | 9.64 | 25.96 | | | | | | | | |
| | B15JS002 | 16.05 | 1.93 | 9.34 | 3.24 | 0.38 | 0.07 | 17.36 | 48.37 | | | | | | | | |
| | B15MB001 | 0.72 | 0.09 | 0.00 | 0.10 | 0.00 | 0.00 | 0.78 | 1.69 | | | | | | | | |
| | B15MB002 | 0.94 | 0.11 | 0.00 | 0.14 | 0.00 | 0.00 | 1.01 | 2.20 | | | | | | | | |
| | B15MB003 | 1.31 | 0.16 | 0.00 | 0.24 | 0.06 | 0.01 | 1.42 | 3.20 | | | | | | | | |
| | B15MB004 | 1.54 | 0.19 | 1.93 | 0.57 | 0.06 | 0.01 | 1.66 | 5.96 | | | | | | | | |
| | B15RS001 | 3.63 | 0.44 | 3.93 | 1.36 | 0.11 | 0.02 | 3.93 | 13.42 | | | | | | | | |
| | B15RS005 | 4.67 | 0.56 | 3.93 | 1.36 | 0.11 | 0.02 | 5.04 | 15.69 | | | | | | | | |
| | B15TB001 | 2.34 | 0.28 | 2.21 | 0.77 | 0.06 | 0.01 | 2.53 | 8.20 | | | | | | | | |
| | B15TB002 | 2.36 | 0.28 | 2.21 | 0.77 | 0.06 | 0.01 | 2.55 | 8.24 | | | | | | | | |
| | B15WD001 | 3.35 | 0.41 | 3.93 | 1.36 | 0.11 | 0.02 | 3.62 | 12.80 | | | | | | | | |
| | B15WD002 | 3.57 | 0.43 | 3.93 | 1.36 | 0.11 | 0.02 | 3.87 | 13.29 | | | | | | | | |
| **B20** | | | | | | | | | | | | | | | | | |
| | B20BN001 | 1.10 | 0.13 | 2.15 | 0.85 | 0.00 | 0.00 | 1.34 | 5.57 | | | | | | | | |
| | B20BN002 | 1.73 | 0.21 | 3.97 | 1.58 | 0.00 | 0.00 | 2.10 | 9.59 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***B20*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | B20BN003 | 2.15 | 0.26 | 7.51 | 2.98 | 0.00 | 0.00 | 2.61 | 15.51 | | | | | | | | |
| | B20BN004 | 3.34 | 0.40 | 6.15 | 2.14 | 0.00 | 0.00 | 4.06 | 16.09 | | | | | | | | |
| | B20BN005 | 1.95 | 0.23 | 6.97 | 2.77 | 0.00 | 0.00 | 2.36 | 14.28 | | | | | | | | |
| | B20BN006 | 2.06 | 0.25 | 12.76 | 5.06 | 0.00 | 0.00 | 2.51 | 22.64 | | | | | | | | |
| | B20BN007 | 3.78 | 0.45 | 6.15 | 2.14 | 0.00 | 0.00 | 4.59 | 17.11 | | | | | | | | |
| | B20MQ001 | 2.05 | 0.25 | 4.23 | 1.47 | 0.03 | 0.01 | 2.50 | 10.54 | | | | | | | | |
| | B20MQ003 | 2.85 | 0.34 | 6.15 | 2.14 | 0.06 | 0.01 | 3.46 | 15.01 | | | | | | | | |
| | B20MQ004 | 3.27 | 0.40 | 6.15 | 2.14 | 0.15 | 0.03 | 3.98 | 16.12 | | | | | | | | |
| | B20MQ005 | 36.56 | 4.39 | 31.96 | 12.60 | 0.46 | 0.08 | 44.44 | 130.49 | | | | | | | | |
| **B25** | | | | | | | | | | | | | | | | | |
| | B25HB001 | 1.71 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 3.59 | 2.11 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 2.36 | 4.68 |
| | B25HB003 | 2.75 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 2.70 | 5.78 | 3.38 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 3.80 | 7.52 |
| | B25HB005 | 3.57 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 3.50 | 7.49 | 4.39 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 4.93 | 9.76 |
| | B25HB007 | 4.21 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 4.14 | 8.85 | 5.18 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 5.82 | 11.52 |
| | B25HB008 | 4.91 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 4.82 | 10.31 | 6.04 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 6.78 | 13.42 |
| | B25HB009 | 5.41 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 5.31 | 11.36 | 6.65 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 7.47 | 14.78 |
| | B25HB010 | 5.68 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 5.58 | 11.94 | 6.99 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 7.85 | 15.54 |
| | B25HB011 | 5.83 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 | 5.72 | 12.24 | 7.17 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 8.05 | 15.94 |
| | B25HB012 | 6.16 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 | 6.05 | 12.94 | 7.58 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 8.50 | 16.84 |
| | B25HB013 | 6.36 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 6.24 | 13.36 | 7.82 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | 8.78 | 17.38 |
| | B25HB014 | 6.64 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 | 6.52 | 13.95 | 8.18 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 9.17 | 18.17 |
| | B25HB015 | 6.87 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 14.44 | 8.46 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 9.49 | 18.79 |
| | B25XX001 | 0.77 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | 1.62 | 0.95 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 1.07 | 2.12 |
| | B25XX002 | 1.14 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 1.12 | 2.40 | 1.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 3.12 |
| | B25XX003 | 1.41 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.38 | 2.96 | 1.73 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 3.84 |
| | B25XX004 | 1.54 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.51 | 3.23 | 1.89 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 4.20 |
| | B25XX005 | 1.79 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 1.76 | 3.76 | 2.21 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 4.90 |
| | B25XX006 | 2.01 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 4.23 | 2.47 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 2.78 | 5.50 |
| | B25XX007 | 2.15 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 4.52 | 2.64 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 2.97 | 5.87 |
| | B25XX008 | 2.51 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 2.47 | 5.28 | 3.09 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 3.47 | 6.87 |
| | B25XX009 | 2.63 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 2.58 | 5.52 | 3.24 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 3.63 | 7.19 |
| | B25XX010 | 2.80 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 5.88 | 3.45 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 3.87 | 7.66 |
| | B25XX011 | 2.93 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 2.88 | 6.16 | 3.61 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 4.05 | 8.02 |
| | B25XX012 | 3.28 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 6.89 | 4.03 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 4.53 | 8.96 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***B25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | B25XX013 | 4.42 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 4.34 | 9.29 | 5.44 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 6.10 | 12.08 |
| | B25XX014 | 4.72 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 4.63 | 9.91 | 5.81 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 6.52 | 12.91 |
| | B25XX015 | 5.72 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 5.62 | 12.02 | 7.04 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 15.64 |
| | B25XX016 | 5.76 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 | 5.66 | 12.11 | 7.09 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 7.96 | 15.76 |
| | B25XX017 | 6.22 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 6.11 | 13.07 | 7.66 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 8.59 | 17.01 |
| | B25XX018 | 5.89 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 5.79 | 12.38 | 7.25 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 8.14 | 16.11 |
| | B25XX019 | 6.60 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 | 6.49 | 13.88 | 8.13 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 9.12 | 18.06 |
| **B30** | | | | | | | | | | | | | | | | | |
| | B30CR001 | 0.47 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 1.01 | | | | | | | | |
| | B30CR002 | 0.50 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 1.08 | | | | | | | | |
| | B30CR003 | 0.54 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 1.17 | | | | | | | | |
| | B30CR004 | 0.55 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 1.20 | | | | | | | | |
| | B30CR005 | 0.65 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 1.41 | | | | | | | | |
| | B30CR006 | 0.77 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 | 1.67 | | | | | | | | |
| | B30CR009 | 0.69 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.73 | 1.50 | | | | | | | | |
| | B30CR010 | 0.80 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 1.74 | | | | | | | | |
| | B30CR011 | 0.95 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 2.06 | | | | | | | | |
| | B30CR012 | 1.10 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 1.17 | 2.39 | | | | | | | | |
| | B30GB001 | 0.35 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.71 | | | | | | | | |
| | B30GB002 | 0.46 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 0.93 | | | | | | | | |
| | B30GB003 | 0.56 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 1.14 | | | | | | | | |
| | B30GB004 | 0.81 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | 1.66 | | | | | | | | |
| | B30GB005 | 0.97 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 1.98 | | | | | | | | |
| | B30GB006 | 1.80 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 | 3.79 | | | | | | | | |
| | B30GB007 | 1.94 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 4.08 | | | | | | | | |
| | B30GB008 | 2.15 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 | 4.54 | | | | | | | | |
| | B30GB009 | 2.45 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 5.17 | | | | | | | | |
| | B30GB010 | 3.03 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 6.38 | | | | | | | | |
| | B30GB011 | 1.42 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 1.51 | 3.09 | | | | | | | | |
| | B30GB012 | 1.48 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 | 3.21 | | | | | | | | |
| | B30GB013 | 1.53 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 3.33 | | | | | | | | |
| | B30GB014 | 2.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 2.13 | 4.35 | | | | | | | | |
| | B30GB015 | 2.07 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 2.20 | 4.50 | | | | | | | | |
| | B30GB016 | 2.97 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 6.45 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***B30*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | B30GB017 | 3.58 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 3.81 | 7.78 | | | | | | | | |
| **B35** | | | | | | | | | | | | | | | | | |
| | B35HE001 | 0.56 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 1.18 | 0.69 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | 1.53 |
| | B35HE002 | 0.66 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 1.39 | 0.82 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.92 | 1.82 |
| | B35HE003 | 0.88 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 | 1.84 | 1.08 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 2.40 |
| | B35HE004 | 1.03 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 2.16 | 1.27 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 2.83 |
| | B35HE005 | 1.21 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 1.19 | 2.54 | 1.49 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 3.32 |
| | B35HE006 | 1.50 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | 3.15 | 1.84 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.09 |
| | B35HE007 | 1.65 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 3.47 | 2.03 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 2.28 | 4.51 |
| | B35HE008 | 2.01 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 4.23 | 2.48 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 2.78 | 5.51 |
| | B35HE009 | 2.14 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 4.49 | 2.63 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 2.95 | 5.84 |
| | B35HE010 | 2.58 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 5.42 | 3.18 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 3.56 | 7.06 |
| | B35HE011 | 2.80 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | 5.88 | 3.44 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 3.87 | 7.65 |
| | B35HE012 | 3.06 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 6.42 | 3.76 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 4.22 | 8.36 |
| | B35HE013 | 3.39 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 7.12 | 4.17 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 9.27 |
| | B35HE014 | 3.91 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | 8.23 | 4.82 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 5.41 | 10.71 |
| | B35HE015 | 4.25 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 4.18 | 8.94 | 5.24 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 5.88 | 11.64 |
| | B35HE016 | 5.23 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 5.14 | 10.99 | 6.44 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 7.23 | 14.31 |
| | B35HE017 | 6.01 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 5.91 | 12.64 | 7.40 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 8.31 | 16.45 |
| | B35HE018 | 0.57 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 1.21 | 0.73 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 | 1.63 |
| | B35HE019 | 0.66 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 1.39 | 0.84 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 1.88 |
| | B35HE020 | 0.89 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.87 | 1.88 | 1.14 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 2.54 |
| | B35HE021 | 1.06 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 2.24 | 1.36 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 3.03 |
| | B35HE022 | 1.24 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 1.22 | 2.62 | 1.60 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 | 3.56 |
| | B35HE023 | 1.46 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 3.08 | 1.88 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 4.19 |
| | B35HE024 | 1.61 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 3.40 | 2.07 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 4.62 |
| | B35HE025 | 1.93 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 1.90 | 4.09 | 2.49 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 2.79 | 5.54 |
| | B35HE026 | 2.07 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 4.37 | 2.66 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 2.99 | 5.93 |
| | B35HE027 | 2.65 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 | 5.61 | 3.41 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 3.83 | 7.60 |
| | B35HE028 | 2.74 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 2.69 | 5.79 | 3.52 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 3.95 | 7.84 |
| | B35HE029 | 3.13 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 3.07 | 6.61 | 4.02 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 4.51 | 8.96 |
| | B35HE030 | 3.44 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 3.38 | 7.27 | 4.43 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 4.97 | 9.87 |
| | B35HE031 | 4.12 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 4.05 | 8.71 | 5.30 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 5.95 | 11.81 |
| | B35HE032 | 4.39 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 9.28 | 5.64 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 6.33 | 12.57 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***B35*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | B35HE033 | 5.66 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 5.56 | 11.97 | 7.28 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 8.17 | 16.22 |
| | B35HE034 | 6.31 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 6.20 | 13.34 | 8.11 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 9.10 | 18.07 |
| | B35HE035 | 1.93 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 1.90 | 4.11 | 2.41 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 2.71 | 5.41 |
| | B35HE036 | 2.01 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 4.28 | 2.52 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 5.64 |
| | B35HE037 | 2.26 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.81 | 2.83 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 6.35 |
| | B35HE038 | 3.08 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 6.54 | 3.85 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 8.63 |
| | B35HE039 | 3.44 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 3.38 | 7.32 | 4.30 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 4.83 | 9.64 |
| | B35HE040 | 3.55 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 3.49 | 7.55 | 4.44 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 4.98 | 9.95 |
| | B35HE041 | 3.80 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 3.74 | 8.09 | 4.75 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 5.34 | 10.66 |
| | B35HE042 | 4.81 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 4.73 | 10.24 | 6.02 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 13.49 |
| | B35HE043 | 4.95 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 4.86 | 10.52 | 6.19 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 6.95 | 13.88 |
| | B35HE044 | 6.30 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 6.18 | 13.39 | 7.87 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 8.83 | 17.64 |
| | B35HE045 | 6.52 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 6.40 | 13.86 | 8.15 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 9.15 | 18.27 |
| | B35HE046 | 7.75 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 | 7.62 | 16.49 | 9.69 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 10.88 | 21.72 |
| | B35HE047 | 8.27 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 8.12 | 17.58 | 10.34 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 11.60 | 23.17 |
| | B35SA001 | 1.78 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 1.74 | 3.73 | 2.19 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 4.86 |
| | B35SA003 | 2.66 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 | 5.59 | 3.28 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 3.68 | 7.29 |
| | B35SA004 | 3.65 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 3.58 | 7.66 | 4.49 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 5.04 | 9.98 |
| | B35SA005 | 4.57 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 4.49 | 9.60 | 5.62 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 6.31 | 12.49 |
| | B35SA006 | 5.39 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 5.29 | 11.32 | 6.63 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 7.44 | 14.73 |
| | B35SA007 | 6.06 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 5.95 | 12.73 | 7.45 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 8.37 | 16.56 |
| | B35SA008 | 7.14 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 7.01 | 15.00 | 8.79 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 9.86 | 19.53 |
| | B35SA009 | 9.07 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 8.90 | 19.05 | 11.16 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 | 12.52 | 24.79 |
| | B35SA010 | 11.07 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 10.87 | 23.26 | 13.62 | 1.36 | 0.00 | 0.00 | 0.00 | 0.00 | 15.28 | 30.26 |
| | B35XX001 | 2.77 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 2.72 | 5.82 | 3.41 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 3.82 | 7.57 |
| | B35XX002 | 3.11 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 6.54 | 3.83 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 4.30 | 8.51 |
| | B35XX003 | 3.44 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 3.38 | 7.23 | 4.23 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 9.40 |
| | B35XX004 | 3.92 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | 8.24 | 4.83 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 5.42 | 10.73 |
| | B35XX005 | 4.41 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 9.26 | 5.42 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 6.09 | 12.05 |
| | B35XX006 | 5.42 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 5.33 | 11.40 | 6.67 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 7.49 | 14.83 |
| | B35XX007 | 2.78 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 | 5.88 | 3.58 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 7.98 |
| | B35XX008 | 3.18 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 3.12 | 6.72 | 4.09 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 4.59 | 9.11 |
| | B35XX009 | 3.43 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 3.36 | 7.24 | 4.40 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 4.94 | 9.81 |
| | B35XX010 | 4.07 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 8.61 | 5.24 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 5.88 | 11.68 |
| | B35XX011 | 4.50 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 4.42 | 9.51 | 5.79 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 6.50 | 12.91 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***B35*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | B35XX012 | 5.71 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 5.61 | 12.07 | 7.34 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | 8.24 | 16.36 |
| | B35XX013 | 0.63 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 1.34 | 0.79 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.89 | 1.77 |
| | B35XX014 | 0.71 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 1.51 | 0.89 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 2.00 |
| | B35XX015 | 1.06 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 2.25 | 1.32 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 2.97 |
| | B35XX016 | 1.21 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.19 | 2.57 | 1.51 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 | 3.38 |
| | B35XX017 | 1.32 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 1.29 | 2.80 | 1.65 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 1.85 | 3.70 |
| | B35XX018 | 2.81 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 5.98 | 3.52 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 3.95 | 7.89 |
| | B35XX019 | 3.00 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 2.95 | 6.38 | 3.75 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 4.21 | 8.41 |
| | B35XX020 | 3.39 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 7.21 | 4.24 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 4.75 | 9.49 |
| | B35XX021 | 3.68 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 3.62 | 7.83 | 4.60 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 5.17 | 10.32 |
| | B35XX022 | 4.66 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 4.58 | 9.91 | 5.82 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 | 6.53 | 13.04 |
| | B35XX023 | 4.99 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 4.90 | 10.61 | 6.24 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 7.00 | 13.98 |
| **C05** | | | | | | | | | | | | | | | | | |
| | C05OL001 | 0.13 | 0.01 | 0.34 | 0.13 | 0.00 | 0.00 | 0.43 | 1.04 | | | | | | | | |
| | C05OL002 | 0.20 | 0.01 | 0.70 | 0.28 | 0.00 | 0.00 | 0.69 | 1.88 | | | | | | | | |
| | C05OL003 | 0.25 | 0.01 | 0.77 | 0.31 | 0.00 | 0.00 | 0.84 | 2.18 | | | | | | | | |
| | C05OL004 | 0.27 | 0.01 | 0.85 | 0.34 | 0.00 | 0.00 | 0.92 | 2.39 | | | | | | | | |
| **C10** | | | | | | | | | | | | | | | | | |
| | C10BO001 | 0.76 | 0.05 | 0.45 | 0.13 | 0.00 | 0.00 | 1.16 | 2.55 | | | | | | | | |
| | C10BO003 | 0.52 | 0.03 | 0.59 | 0.18 | 0.00 | 0.00 | 0.80 | 2.12 | | | | | | | | |
| | C10BO004 | 0.59 | 0.04 | 0.89 | 0.26 | 0.00 | 0.00 | 0.90 | 2.68 | | | | | | | | |
| | C10BO007 | 1.57 | 0.10 | 0.34 | 0.10 | 0.00 | 0.00 | 2.41 | 4.52 | | | | | | | | |
| | C10BO008 | 3.02 | 0.19 | 0.55 | 0.16 | 0.00 | 0.00 | 4.64 | 8.56 | | | | | | | | |
| | C10BO009 | 1.24 | 0.09 | 0.59 | 0.18 | 0.00 | 0.00 | 2.13 | 4.23 | | | | | | | | |
| | C10BO010 | 2.91 | 0.21 | 0.27 | 0.08 | 0.00 | 0.00 | 4.98 | 8.45 | | | | | | | | |
| | C10BO011 | 2.20 | 0.16 | 0.55 | 0.16 | 0.00 | 0.00 | 3.78 | 6.85 | | | | | | | | |
| | C10BO013 | 7.80 | 0.57 | 1.10 | 0.33 | 0.00 | 0.00 | 13.36 | 23.16 | | | | | | | | |
| | C10BO014 | 3.50 | 0.26 | 0.48 | 0.14 | 0.00 | 0.00 | 5.99 | 10.37 | | | | | | | | |
| | C10BO015 | 2.70 | 0.20 | 0.34 | 0.10 | 0.00 | 0.00 | 4.62 | 7.96 | | | | | | | | |
| | C10BO016 | 3.94 | 0.29 | 0.62 | 0.18 | 0.00 | 0.00 | 6.75 | 11.78 | | | | | | | | |
| | C10RX001 | 5.79 | 0.43 | 0.55 | 0.16 | 0.00 | 0.00 | 9.93 | 16.86 | | | | | | | | |
| | C10RX002 | 8.23 | 0.60 | 0.96 | 0.29 | 0.00 | 0.00 | 14.11 | 24.19 | | | | | | | | |
| | C10RX003 | 14.02 | 1.03 | 2.26 | 0.67 | 0.00 | 0.00 | 24.02 | 42.00 | | | | | | | | |
| | C10WC003 | 1.05 | 0.07 | 0.59 | 0.18 | 0.00 | 0.00 | 1.62 | 3.51 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***C10*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | C10WC006 | 0.72 | 0.05 | 1.19 | 0.35 | 0.00 | 0.00 | 1.10 | 3.41 | | | | | | | | |
| | C10WC007 | 2.36 | 0.15 | 1.34 | 0.40 | 0.00 | 0.00 | 3.62 | 7.87 | | | | | | | | |
| | C10WC008 | 3.15 | 0.20 | 0.41 | 0.12 | 0.00 | 0.00 | 4.83 | 8.71 | | | | | | | | |
| | C10WC010 | 2.68 | 0.20 | 1.63 | 0.49 | 0.00 | 0.00 | 4.59 | 9.59 | | | | | | | | |
| | C10WC015 | 5.63 | 0.36 | 0.96 | 0.29 | 0.00 | 0.00 | 8.63 | 15.87 | | | | | | | | |
| | C10WC016 | 8.35 | 0.61 | 1.37 | 0.41 | 0.00 | 0.00 | 14.31 | 25.05 | | | | | | | | |
| | C10WC017 | 3.24 | 0.24 | 0.62 | 0.18 | 0.00 | 0.00 | 5.56 | 9.84 | | | | | | | | |
| | C10WC019 | 8.24 | 0.60 | 1.37 | 0.41 | 0.00 | 0.00 | 14.12 | 24.74 | | | | | | | | |
| **C15** | | | | | | | | | | | | | | | | | |
| | C15BL001 | 1.71 | 0.14 | 0.11 | 0.57 | 0.00 | 0.00 | 2.33 | 4.86 | | | | | | | | |
| | C15BL003 | 8.19 | 0.65 | 0.57 | 1.85 | 0.00 | 0.00 | 11.18 | 22.44 | | | | | | | | |
| | C15BL004 | 9.58 | 0.76 | 0.85 | 2.28 | 0.00 | 0.00 | 13.09 | 26.56 | | | | | | | | |
| | C15BL005 | 14.04 | 1.12 | 1.70 | 3.05 | 0.00 | 0.00 | 19.18 | 39.09 | | | | | | | | |
| **C20** | | | | | | | | | | | | | | | | | |
| | C20WC002 | 1.78 | 0.16 | 1.50 | 0.60 | 0.16 | 0.03 | 1.93 | 6.16 | | | | | | | | |
| | C20XX001 | 1.26 | 0.11 | 0.92 | 0.37 | 0.11 | 0.02 | 1.36 | 4.15 | | | | | | | | |
| **C25** | | | | | | | | | | | | | | | | | |
| | C25AJ001 | 0.63 | 0.06 | 0.92 | 0.37 | 0.00 | 0.00 | 0.76 | 2.74 | | | | | | | | |
| | C25AJ003 | 0.89 | 0.08 | 1.04 | 0.41 | 0.00 | 0.00 | 1.08 | 3.50 | | | | | | | | |
| | C25AJ004 | 1.27 | 0.12 | 1.04 | 0.41 | 0.00 | 0.00 | 1.54 | 4.38 | | | | | | | | |
| | C25AJ005 | 1.49 | 0.14 | 1.27 | 0.50 | 0.00 | 0.00 | 1.81 | 5.21 | | | | | | | | |
| | C25AJ006 | 1.77 | 0.17 | 1.27 | 0.50 | 0.00 | 0.00 | 2.15 | 5.86 | | | | | | | | |
| | C25AJ007 | 1.88 | 0.18 | 1.27 | 0.50 | 0.00 | 0.00 | 2.29 | 6.12 | | | | | | | | |
| | C25AJ008 | 1.17 | 0.20 | 0.59 | 0.31 | 0.00 | 0.00 | 1.22 | 3.49 | | | | | | | | |
| | C25AJ009 | 1.25 | 0.21 | 0.59 | 0.31 | 0.00 | 0.00 | 1.30 | 3.66 | | | | | | | | |
| | C25AJ010 | 1.33 | 0.23 | 0.59 | 0.31 | 0.00 | 0.00 | 1.39 | 3.85 | | | | | | | | |
| | C25AJ011 | 1.43 | 0.25 | 0.59 | 0.31 | 0.00 | 0.00 | 1.48 | 4.06 | | | | | | | | |
| | C25AJ012 | 1.51 | 0.26 | 0.59 | 0.31 | 0.00 | 0.00 | 1.58 | 4.25 | | | | | | | | |
| | C25AJ013 | 1.60 | 0.28 | 0.59 | 0.31 | 0.00 | 0.00 | 1.67 | 4.45 | | | | | | | | |
| | C25AJ015 | 1.68 | 0.16 | 2.31 | 0.92 | 0.00 | 0.00 | 2.04 | 7.11 | | | | | | | | |
| | C25AJ016 | 1.76 | 0.17 | 2.31 | 0.92 | 0.00 | 0.00 | 2.14 | 7.30 | | | | | | | | |
| | C25AJ018 | 2.04 | 0.19 | 2.89 | 1.15 | 0.00 | 0.00 | 2.48 | 8.75 | | | | | | | | |
| | C25AJ019 | 2.96 | 0.28 | 3.23 | 1.28 | 0.00 | 0.00 | 3.59 | 11.34 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***C25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | C25ST001 | 0.38 | 0.04 | 0.92 | 0.37 | 0.00 | 0.00 | 0.46 | 2.17 | | | | | | | | |
| | C25ST002 | 0.41 | 0.04 | 1.04 | 0.41 | 0.00 | 0.00 | 0.50 | 2.40 | | | | | | | | |
| | C25SV001 | 24.62 | 4.25 | 3.20 | 1.50 | 0.21 | 0.04 | 25.68 | 59.50 | | | | | | | | |
| | C25SV002 | 19.80 | 3.42 | 3.20 | 1.50 | 0.16 | 0.03 | 20.64 | 48.75 | | | | | | | | |
| | C25SV003 | 11.92 | 2.06 | 1.48 | 0.69 | 0.16 | 0.03 | 12.45 | 28.79 | | | | | | | | |
| | C25WC002 | 0.50 | 0.05 | 0.92 | 0.37 | 0.00 | 0.00 | 0.61 | 2.45 | | | | | | | | |
| | C25WC003 | 1.86 | 0.18 | 2.31 | 0.92 | 0.00 | 0.00 | 2.26 | 7.53 | | | | | | | | |
| **C35** | | | | | | | | | | | | | | | | | |
| | C35AF001 | 2.46 | 0.34 | 0.00 | 0.30 | 0.04 | 0.01 | 3.59 | 6.74 | | | | | | | | |
| | C35AF002 | 1.18 | 0.17 | 0.00 | 2.00 | 0.04 | 0.01 | 1.73 | 5.13 | | | | | | | | |
| | C35AF004 | 4.23 | 0.59 | 3.71 | 3.47 | 0.04 | 0.01 | 6.17 | 18.22 | | | | | | | | |
| | C35AF005 | 6.07 | 0.85 | 3.14 | 3.09 | 0.10 | 0.02 | 8.87 | 22.14 | | | | | | | | |
| | C35AL002 | 3.39 | 0.49 | 1.51 | 1.52 | 0.18 | 0.03 | 4.99 | 12.11 | | | | | | | | |
| | C35AL003 | 1.13 | 0.18 | 0.30 | 0.36 | 0.18 | 0.03 | 1.70 | 3.88 | | | | | | | | |
| | C35AL008 | 2.55 | 0.35 | 0.00 | 0.30 | 0.00 | 0.00 | 3.71 | 6.91 | | | | | | | | |
| | C35AL013 | 1.10 | 0.16 | 0.00 | 0.40 | 0.09 | 0.02 | 1.63 | 3.40 | | | | | | | | |
| | C35AL014 | 5.77 | 0.80 | 3.08 | 1.57 | 0.04 | 0.01 | 8.42 | 19.69 | | | | | | | | |
| | C35AV006 | 8.53 | 1.19 | 1.22 | 2.68 | 0.11 | 0.02 | 12.46 | 26.21 | | | | | | | | |
| | C35AV008 | 2.56 | 0.36 | 0.43 | 2.24 | 0.00 | 0.00 | 3.73 | 9.32 | | | | | | | | |
| | C35AV009 | 3.12 | 0.43 | 0.97 | 2.54 | 0.00 | 0.00 | 4.54 | 11.60 | | | | | | | | |
| | C35AV010 | 5.62 | 0.78 | 1.58 | 2.88 | 0.00 | 0.00 | 8.19 | 19.05 | | | | | | | | |
| | C35AV011 | 4.31 | 0.60 | 0.73 | 2.41 | 0.00 | 0.00 | 6.28 | 14.33 | | | | | | | | |
| | C35AV012 | 12.88 | 1.79 | 1.22 | 3.18 | 0.00 | 0.00 | 18.77 | 37.84 | | | | | | | | |
| **C40** | | | | | | | | | | | | | | | | | |
| | C40CC001 | 3.56 | 0.34 | 0.57 | 0.35 | 0.00 | 0.00 | 4.32 | 9.14 | | | | | | | | |
| | C40MU001 | 0.38 | 0.04 | 0.92 | 0.37 | 0.03 | 0.01 | 0.46 | 2.21 | | | | | | | | |
| | C40MU002 | 0.86 | 0.08 | 1.50 | 0.60 | 0.03 | 0.01 | 1.05 | 4.13 | | | | | | | | |
| | C40MU003 | 0.40 | 0.04 | 0.92 | 0.37 | 0.03 | 0.01 | 0.50 | 2.27 | | | | | | | | |
| | C40MU004 | 0.50 | 0.05 | 0.92 | 0.37 | 0.03 | 0.01 | 0.61 | 2.49 | | | | | | | | |
| | C40RC005 | 31.28 | 3.00 | 6.80 | 8.22 | 0.27 | 0.05 | 38.07 | 87.69 | | | | | | | | |
| | C40ST001 | 0.25 | 0.03 | 0.03 | 0.22 | 0.03 | 0.01 | 0.32 | 0.89 | | | | | | | | |
| | C40ST002 | 0.29 | 0.03 | 0.64 | 0.25 | 0.03 | 0.01 | 0.36 | 1.61 | | | | | | | | |
| | C40ST003 | 0.36 | 0.04 | 0.06 | 0.29 | 0.03 | 0.01 | 0.45 | 1.24 | | | | | | | | |
| | C40ST005 | 0.50 | 0.05 | 0.09 | 0.36 | 0.03 | 0.01 | 0.62 | 1.66 | | | | | | | | |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***C40*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | C40XX001 | 0.47 | 0.04 | 0.11 | 0.27 | 0.00 | 0.00 | 0.57 | 1.46 | | | | | | | | |
| | C40XX002 | 0.50 | 0.05 | 0.81 | 0.32 | 0.00 | 0.00 | 0.61 | 2.29 | | | | | | | | |
| | C40XX003 | 0.72 | 0.07 | 0.17 | 0.31 | 0.00 | 0.00 | 0.87 | 2.14 | | | | | | | | |
| | C40XX004 | 0.72 | 0.07 | 0.92 | 0.37 | 0.00 | 0.00 | 0.87 | 2.95 | | | | | | | | |
| | C40XX005 | 0.94 | 0.09 | 0.28 | 0.42 | 0.00 | 0.00 | 1.14 | 2.87 | | | | | | | | |
| | C40XX006 | 1.31 | 0.12 | 0.28 | 0.42 | 0.00 | 0.00 | 1.59 | 3.72 | | | | | | | | |
| | C40XX007 | 1.22 | 0.12 | 1.04 | 0.41 | 0.00 | 0.00 | 1.48 | 4.27 | | | | | | | | |
| **C45** | | | | | | | | | | | | | | | | | |
| | C45GO010 | 16.28 | 1.81 | 5.35 | 1.86 | 0.00 | 0.00 | 24.82 | 50.12 | | | | | | | | |
| | C45GO011 | 22.25 | 2.47 | 9.82 | 3.41 | 0.00 | 0.00 | 33.94 | 71.89 | | | | | | | | |
| | C45GO012 | 38.07 | 4.22 | 9.82 | 3.41 | 0.00 | 0.00 | 58.06 | 113.58 | | | | | | | | |
| | C45GO013 | 14.54 | 1.61 | 4.07 | 1.41 | 0.00 | 0.00 | 22.18 | 43.81 | | | | | | | | |
| | C45GO014 | 19.44 | 2.16 | 5.35 | 1.86 | 0.00 | 0.00 | 29.65 | 58.46 | | | | | | | | |
| | C45GO016 | 45.86 | 5.09 | 13.37 | 4.64 | 0.00 | 0.00 | 69.93 | 138.89 | | | | | | | | |
| | C45GO018 | 65.80 | 7.30 | 14.53 | 5.05 | 0.00 | 0.00 | 100.35 | 193.03 | | | | | | | | |
| | C45GO020 | 71.37 | 7.92 | 18.89 | 6.56 | 0.00 | 0.00 | 108.84 | 213.58 | | | | | | | | |
| | C45GO025 | 8.98 | 1.00 | 5.94 | 2.36 | 0.00 | 0.00 | 13.70 | 31.98 | | | | | | | | |
| | C45GO031 | 45.77 | 5.08 | 18.89 | 6.56 | 0.00 | 0.00 | 69.80 | 146.10 | | | | | | | | |
| | C45MJ001 | 0.94 | 0.10 | 1.86 | 0.74 | 0.00 | 0.00 | 1.44 | 5.08 | | | | | | | | |
| | C45MW001 | 5.16 | 0.62 | 1.16 | 0.40 | 0.56 | 0.10 | 8.00 | 16.00 | | | | | | | | |
| | C45MW002 | 5.53 | 0.67 | 1.16 | 0.40 | 0.70 | 0.12 | 8.57 | 17.15 | | | | | | | | |
| | C45MW003 | 6.67 | 0.81 | 1.16 | 0.40 | 0.97 | 0.17 | 10.36 | 20.54 | | | | | | | | |
| **C55** | | | | | | | | | | | | | | | | | |
| | C55M3001 | 2.05 | 0.25 | 3.47 | 1.38 | 0.04 | 0.01 | 2.76 | 9.96 | | | | | | | | |
| | C55M3002 | 5.17 | 0.62 | 3.06 | 1.06 | 0.00 | 0.00 | 6.97 | 16.88 | | | | | | | | |
| | C55M3003 | 6.60 | 0.79 | 5.69 | 1.98 | 0.00 | 0.00 | 8.90 | 23.96 | | | | | | | | |
| | C55MO001 | 3.45 | 0.42 | 3.47 | 1.38 | 0.09 | 0.02 | 4.66 | 13.49 | | | | | | | | |
| | C55MO003 | 6.47 | 0.78 | 5.90 | 2.05 | 0.09 | 0.02 | 8.73 | 24.04 | | | | | | | | |
| | C55MO018 | 49.52 | 5.94 | 0.00 | 0.00 | 0.73 | 0.13 | 66.85 | 123.17 | | | | | | | | |
| | C55MO019 | 4.60 | 0.55 | 3.92 | 1.36 | 0.09 | 0.02 | 6.22 | 16.76 | | | | | | | | |
| | C55OE001 | 25.90 | 3.08 | 0.00 | 0.00 | 0.00 | 0.00 | 34.94 | 63.92 | | | | | | | | |
| | C55OE002 | 33.28 | 3.96 | 0.00 | 0.00 | 0.00 | 0.00 | 44.89 | 82.13 | | | | | | | | |
| | C55OE003 | 50.71 | 6.04 | 0.00 | 0.00 | 0.00 | 0.00 | 68.40 | 125.15 | | | | | | | | |
| | C55OE006 | 4.61 | 0.56 | 3.97 | 1.38 | 0.09 | 0.02 | 6.23 | 16.86 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***C55*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | C55OE009 | 9.09 | 1.09 | 6.81 | 2.36 | 0.18 | 0.03 | 12.27 | 31.83 | | | | | | | | |
| | C55OE011 | 8.11 | 0.98 | 9.71 | 3.37 | 0.18 | 0.03 | 10.95 | 33.33 | | | | | | | | |
| | C55OE012 | 10.70 | 1.29 | 9.71 | 3.37 | 0.18 | 0.03 | 14.44 | 39.72 | | | | | | | | |
| | C55SC001 | 7.45 | 0.89 | 4.29 | 1.49 | 0.04 | 0.01 | 10.06 | 24.23 | | | | | | | | |
| | C55SC002 | 16.21 | 1.94 | 9.49 | 3.30 | 0.18 | 0.03 | 21.89 | 53.04 | | | | | | | | |
| | C55SC005 | 23.15 | 2.80 | 13.15 | 4.57 | 0.77 | 0.14 | 31.28 | 75.86 | | | | | | | | |
| | C55SC006 | 30.39 | 3.66 | 13.15 | 4.57 | 0.77 | 0.14 | 41.04 | 93.72 | | | | | | | | |
| **C60** | | | | | | | | | | | | | | | | | |
| | C60CQ001 | 1.77 | 0.17 | 5.20 | 2.06 | 0.00 | 0.00 | 2.38 | 11.58 | | | | | | | | |
| | C60CQ002 | 0.37 | 0.03 | 1.34 | 0.53 | 0.00 | 0.00 | 0.49 | 2.76 | | | | | | | | |
| | C60CQ003 | 0.39 | 0.04 | 1.93 | 0.77 | 0.00 | 0.00 | 0.53 | 3.66 | | | | | | | | |
| | C60CQ010 | 1.78 | 0.17 | 2.40 | 1.13 | 0.00 | 0.00 | 2.39 | 7.87 | | | | | | | | |
| | C60CQ011 | 2.25 | 0.21 | 9.65 | 3.83 | 0.00 | 0.00 | 3.04 | 18.98 | | | | | | | | |
| | C60CQ012 | 2.27 | 0.21 | 9.65 | 3.83 | 0.00 | 0.00 | 3.06 | 19.02 | | | | | | | | |
| | C60CQ013 | 2.28 | 0.21 | 9.65 | 3.83 | 0.00 | 0.00 | 3.08 | 19.05 | | | | | | | | |
| | C60CQ014 | 1.94 | 0.18 | 2.19 | 1.22 | 0.00 | 0.00 | 2.61 | 8.14 | | | | | | | | |
| | C60CQ016 | 3.31 | 0.31 | 5.14 | 2.42 | 0.00 | 0.00 | 4.47 | 15.65 | | | | | | | | |
| | C60FE002 | 0.19 | 0.02 | 0.30 | 0.12 | 0.00 | 0.00 | 0.25 | 0.88 | | | | | | | | |
| | C60FE006 | 0.39 | 0.04 | 1.34 | 0.53 | 0.00 | 0.00 | 0.53 | 2.83 | | | | | | | | |
| | C60FE007 | 0.41 | 0.04 | 1.93 | 0.77 | 0.00 | 0.00 | 0.56 | 3.71 | | | | | | | | |
| | C60FE009 | 1.32 | 0.12 | 2.97 | 1.18 | 0.00 | 0.00 | 1.78 | 7.37 | | | | | | | | |
| | C60LY001 | 3.49 | 0.33 | 1.49 | 0.59 | 0.00 | 0.00 | 4.71 | 10.61 | | | | | | | | |
| | C60LY002 | 4.42 | 0.41 | 5.20 | 2.06 | 0.00 | 0.00 | 5.96 | 18.05 | | | | | | | | |
| | C60LY005 | 0.39 | 0.04 | 1.93 | 0.77 | 0.00 | 0.00 | 0.52 | 3.65 | | | | | | | | |
| | C60LY011 | 9.69 | 0.91 | 2.19 | 1.03 | 0.00 | 0.00 | 13.07 | 26.89 | | | | | | | | |
| **C65** | | | | | | | | | | | | | | | | | |
| | C65ST007 | 0.20 | 0.01 | 0.05 | 0.03 | 0.00 | 0.00 | 0.67 | 0.96 | | | | | | | | |
| | C65ST008 | 0.23 | 0.02 | 0.11 | 0.06 | 0.00 | 0.00 | 0.76 | 1.18 | | | | | | | | |
| | C65ST009 | 0.25 | 0.02 | 0.16 | 0.09 | 0.00 | 0.00 | 0.84 | 1.36 | | | | | | | | |
| | C65ST013 | 0.43 | 0.03 | 0.59 | 0.23 | 0.00 | 0.00 | 1.43 | 2.71 | | | | | | | | |
| | C65WC003 | 0.52 | 0.04 | 0.11 | 0.20 | 0.00 | 0.00 | 1.73 | 2.60 | | | | | | | | |
| | C65WC004 | 0.28 | 0.02 | 0.16 | 0.23 | 0.00 | 0.00 | 0.92 | 1.61 | | | | | | | | |
| | C65WC005 | 0.35 | 0.02 | 0.54 | 0.21 | 0.00 | 0.00 | 1.16 | 2.28 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| C75 | | | | | | | | | | | | | | | | | |
| | C75BD004 | 3.97 | 0.86 | 5.20 | 2.06 | 0.20 | 0.04 | 4.72 | 17.05 | | | | | | | | |
| | C75BD005 | 5.10 | 1.11 | 8.17 | 3.24 | 0.27 | 0.05 | 6.08 | 24.02 | | | | | | | | |
| | C75BD006 | 7.42 | 1.63 | 13.61 | 5.40 | 0.52 | 0.09 | 8.85 | 37.52 | | | | | | | | |
| | C75BD007 | 2.91 | 0.63 | 4.70 | 1.87 | 0.15 | 0.03 | 3.46 | 13.75 | | | | | | | | |
| | C75BD008 | 3.52 | 0.76 | 5.20 | 2.06 | 0.15 | 0.03 | 4.19 | 15.91 | | | | | | | | |
| | C75BD009 | 4.56 | 1.00 | 8.17 | 3.24 | 0.27 | 0.05 | 5.43 | 22.72 | | | | | | | | |
| | C75BD010 | 7.67 | 1.68 | 4.94 | 1.84 | 0.79 | 0.14 | 9.14 | 26.20 | | | | | | | | |
| | C75BD011 | 13.90 | 3.03 | 6.97 | 2.59 | 1.21 | 0.21 | 16.55 | 44.46 | | | | | | | | |
| | C75GV006 | 14.13 | 3.08 | 7.55 | 2.81 | 1.21 | 0.21 | 16.83 | 45.82 | | | | | | | | |
| | C75GV014 | 36.16 | 7.93 | 11.51 | 4.28 | 5.26 | 0.92 | 43.12 | 109.18 | | | | | | | | |
| | C75GV016 | 53.38 | 11.73 | 14.53 | 5.41 | 8.22 | 1.44 | 63.66 | 158.37 | | | | | | | | |
| | C75GV019 | 33.66 | 7.40 | 10.29 | 3.83 | 5.49 | 0.96 | 40.15 | 101.78 | | | | | | | | |
| | C75GV020 | 42.62 | 9.33 | 14.53 | 5.41 | 5.49 | 0.96 | 50.80 | 129.14 | | | | | | | | |
| | C75GV021 | 6.02 | 1.31 | 7.67 | 3.04 | 0.30 | 0.05 | 7.17 | 25.56 | | | | | | | | |
| | C75GV022 | 7.14 | 1.57 | 6.39 | 2.38 | 0.59 | 0.10 | 8.51 | 26.68 | | | | | | | | |
| | C75GV023 | 16.74 | 3.77 | 8.83 | 3.29 | 5.32 | 0.93 | 20.05 | 58.93 | | | | | | | | |
| | C75GV024 | 24.17 | 5.37 | 8.83 | 3.29 | 5.32 | 0.93 | 28.88 | 76.79 | | | | | | | | |
| | C75GV025 | 40.65 | 8.90 | 11.51 | 4.28 | 5.26 | 0.92 | 48.45 | 119.97 | | | | | | | | |
| | C75GV026 | 2.80 | 0.60 | 2.23 | 0.89 | 0.04 | 0.01 | 3.33 | 9.90 | | | | | | | | |
| | C75GV027 | 6.16 | 1.34 | 7.67 | 3.04 | 0.27 | 0.05 | 7.34 | 25.87 | | | | | | | | |
| | C75GV028 | 14.35 | 3.15 | 8.43 | 3.14 | 1.91 | 0.34 | 17.12 | 48.44 | | | | | | | | |
| | C75PB001 | 18.35 | 4.00 | 7.38 | 2.75 | 1.66 | 0.29 | 21.85 | 56.28 | | | | | | | | |
| | C75PB002 | 18.99 | 4.14 | 7.38 | 2.75 | 1.66 | 0.29 | 22.62 | 57.83 | | | | | | | | |
| | C75TD003 | 18.67 | 4.09 | 10.46 | 3.89 | 2.53 | 0.44 | 22.25 | 62.33 | | | | | | | | |
| | C75TD006 | 21.89 | 4.80 | 14.35 | 5.34 | 2.99 | 0.52 | 26.10 | 75.99 | | | | | | | | |
| | C75TD007 | 34.90 | 7.73 | 14.35 | 5.34 | 3.99 | 0.70 | 41.67 | 108.68 | | | | | | | | |
| | C75TD008 | 32.46 | 7.16 | 14.35 | 5.34 | 5.88 | 1.03 | 38.74 | 104.96 | | | | | | | | |
| | C75TE001 | 17.64 | 3.85 | 7.55 | 2.81 | 1.68 | 0.29 | 21.01 | 54.83 | | | | | | | | |
| | C75TE002 | 24.25 | 5.29 | 8.83 | 3.29 | 2.32 | 0.41 | 28.89 | 73.28 | | | | | | | | |
| | C75TE003 | 22.98 | 5.07 | 10.11 | 3.76 | 4.16 | 0.73 | 27.43 | 74.24 | | | | | | | | |
| | C75TE004 | 27.09 | 6.15 | 12.49 | 4.65 | 3.44 | 0.60 | 32.47 | 86.89 | | | | | | | | |
| | C75TE005 | 37.33 | 8.34 | 15.11 | 5.62 | 3.44 | 0.60 | 44.64 | 115.08 | | | | | | | | |
| | C75TE006 | 40.50 | 9.02 | 15.11 | 5.62 | 3.44 | 0.60 | 48.40 | 122.69 | | | | | | | | |
| | C75TE007 | 47.16 | 10.34 | 15.11 | 5.62 | 6.82 | 1.20 | 56.23 | 142.48 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| C80 | | | | | | | | | | | | | | | | | |
| | C80GV006 | 27.60 | 6.76 | 19.67 | 6.34 | 0.79 | 0.14 | 28.75 | 90.05 | 31.55 | 6.82 | 26.22 | 8.45 | 0.94 | 0.16 | 35.20 | 109.34 |
| | C80GV013 | 52.84 | 15.95 | 13.60 | 4.39 | 3.47 | 0.61 | 70.70 | 161.56 | 58.71 | 16.03 | 17.23 | 5.56 | 4.36 | 0.77 | 82.91 | 185.57 |
| | C80GV014 | 67.62 | 20.38 | 13.60 | 4.39 | 3.47 | 0.61 | 90.47 | 200.54 | 75.14 | 20.48 | 17.23 | 5.56 | 4.36 | 0.77 | 106.09 | 229.63 |
| | C80GV015 | 72.73 | 21.91 | 14.07 | 4.54 | 3.47 | 0.61 | 97.29 | 214.62 | 80.81 | 22.01 | 17.77 | 5.73 | 4.36 | 0.77 | 114.09 | 245.54 |
| | C80GV016 | 92.90 | 27.97 | 18.79 | 6.06 | 4.05 | 0.71 | 124.27 | 274.75 | 103.23 | 28.11 | 24.13 | 7.78 | 5.01 | 0.88 | 145.73 | 314.87 |
| | C80GV020 | 32.49 | 8.88 | 19.67 | 6.34 | 1.15 | 0.20 | 38.66 | 107.39 | 36.55 | 8.95 | 26.22 | 8.45 | 1.39 | 0.24 | 46.21 | 128.01 |
| | C80GV022 | 55.90 | 15.22 | 19.67 | 6.34 | 1.15 | 0.20 | 66.48 | 164.96 | 62.89 | 15.35 | 26.22 | 8.45 | 1.39 | 0.24 | 79.46 | 194.00 |
| | C80GV023 | 41.31 | 11.27 | 16.47 | 5.31 | 1.15 | 0.20 | 49.14 | 124.85 | 46.47 | 11.36 | 21.96 | 7.08 | 1.39 | 0.24 | 58.73 | 147.23 |
| | C80GV025 | 22.54 | 5.52 | 14.75 | 4.76 | 0.65 | 0.11 | 23.47 | 71.80 | 25.76 | 5.57 | 19.67 | 6.34 | 0.80 | 0.14 | 28.74 | 87.02 |
| | C80GV026 | 30.33 | 7.45 | 17.16 | 5.53 | 1.23 | 0.22 | 31.60 | 93.52 | 34.66 | 7.52 | 22.88 | 7.38 | 1.49 | 0.26 | 38.69 | 112.88 |
| | C80GV027 | 24.61 | 6.06 | 12.29 | 3.96 | 1.21 | 0.21 | 25.66 | 74.00 | 28.13 | 6.12 | 16.39 | 5.29 | 1.47 | 0.26 | 31.41 | 89.07 |
| | C80GV028 | 31.54 | 7.76 | 19.67 | 6.34 | 1.45 | 0.25 | 32.87 | 99.88 | 36.04 | 7.83 | 26.22 | 8.45 | 1.77 | 0.31 | 40.24 | 120.86 |
| | C80GV029 | 31.62 | 7.78 | 19.67 | 6.34 | 1.45 | 0.25 | 32.95 | 100.06 | 36.14 | 7.85 | 26.22 | 8.45 | 1.77 | 0.31 | 40.35 | 121.09 |
| | C80GV030 | 31.66 | 7.79 | 19.67 | 6.34 | 1.45 | 0.25 | 32.99 | 100.15 | 36.18 | 7.86 | 26.22 | 8.45 | 1.77 | 0.31 | 40.40 | 121.19 |
| | C80GV031 | 31.77 | 8.71 | 19.67 | 6.34 | 1.45 | 0.25 | 37.82 | 106.01 | 35.74 | 8.78 | 26.22 | 8.45 | 1.77 | 0.31 | 45.20 | 126.47 |
| | C80GV032 | 43.37 | 11.95 | 20.75 | 6.69 | 4.92 | 0.86 | 51.67 | 140.21 | 48.79 | 12.04 | 27.67 | 8.92 | 5.96 | 1.05 | 61.76 | 166.19 |
| | C80LB001 | 25.14 | 6.91 | 17.95 | 5.79 | 1.39 | 0.24 | 29.94 | 87.36 | 28.29 | 6.96 | 23.93 | 7.72 | 1.70 | 0.30 | 35.79 | 104.69 |
| | C80LB002 | 33.77 | 9.28 | 21.14 | 6.82 | 1.93 | 0.34 | 40.22 | 113.50 | 38.00 | 9.36 | 28.19 | 9.09 | 2.38 | 0.42 | 48.07 | 135.51 |
| | C80LB003 | 24.60 | 6.07 | 17.95 | 5.79 | 1.39 | 0.24 | 25.65 | 81.69 | 28.12 | 6.13 | 23.93 | 7.72 | 1.70 | 0.30 | 31.41 | 99.31 |
| | C80LB004 | 20.47 | 5.04 | 17.21 | 5.55 | 0.97 | 0.17 | 21.33 | 70.74 | 23.39 | 5.08 | 22.95 | 7.40 | 1.20 | 0.21 | 26.11 | 86.34 |
| | C80LB005 | 16.98 | 3.70 | 9.34 | 4.17 | 0.94 | 0.16 | 15.16 | 50.45 | 19.81 | 3.76 | 12.46 | 5.56 | 1.20 | 0.21 | 19.19 | 62.19 |
| | C80LB006 | 19.71 | 4.29 | 9.83 | 4.39 | 0.96 | 0.17 | 17.60 | 56.95 | 23.00 | 4.36 | 13.11 | 5.85 | 1.19 | 0.21 | 22.27 | 69.99 |
| | C80LB007 | 17.32 | 4.27 | 9.83 | 3.17 | 0.96 | 0.17 | 18.06 | 53.78 | 19.79 | 4.31 | 13.11 | 4.23 | 1.19 | 0.21 | 22.11 | 64.95 |
| | C80LI009 | 19.96 | 4.92 | 17.21 | 5.55 | 1.03 | 0.18 | 20.81 | 69.66 | 22.81 | 4.96 | 22.95 | 7.40 | 1.28 | 0.22 | 25.47 | 85.09 |
| | C80LI010 | 23.78 | 5.86 | 15.49 | 4.99 | 1.26 | 0.22 | 24.79 | 76.39 | 27.18 | 5.92 | 20.65 | 6.66 | 1.53 | 0.27 | 30.36 | 92.57 |
| | C80LI011 | 25.00 | 6.18 | 17.95 | 5.79 | 1.49 | 0.26 | 26.07 | 82.74 | 28.57 | 6.23 | 23.93 | 7.72 | 1.82 | 0.32 | 31.92 | 100.51 |
| | C80TD001 | 27.65 | 7.72 | 9.59 | 3.09 | 3.29 | 0.58 | 33.01 | 84.93 | 31.11 | 7.78 | 12.18 | 3.93 | 4.10 | 0.72 | 39.45 | 99.27 |
| | C80TD002 | 34.72 | 9.63 | 11.69 | 3.77 | 3.12 | 0.55 | 41.40 | 104.88 | 39.05 | 9.71 | 14.93 | 4.81 | 3.78 | 0.66 | 49.48 | 122.42 |
| | C80TD005 | 37.46 | 11.50 | 31.46 | 10.14 | 3.98 | 0.70 | 50.26 | 145.50 | 41.62 | 11.56 | 41.07 | 13.25 | 4.89 | 0.86 | 58.94 | 172.19 |
| | C80TE001 | 19.52 | 4.79 | 12.29 | 3.96 | 0.79 | 0.14 | 20.34 | 61.83 | 22.31 | 4.84 | 16.39 | 5.29 | 0.97 | 0.17 | 24.90 | 74.87 |
| | C80TE002 | 15.59 | 3.85 | 12.29 | 3.96 | 0.91 | 0.16 | 16.25 | 53.01 | 17.81 | 3.89 | 16.39 | 5.29 | 1.13 | 0.20 | 19.90 | 64.61 |
| | C80TE003 | 20.66 | 5.11 | 18.19 | 5.87 | 1.39 | 0.24 | 21.55 | 73.01 | 23.61 | 5.16 | 24.26 | 7.82 | 1.70 | 0.30 | 26.39 | 89.24 |
| | C80TE005 | 14.66 | 3.21 | 11.90 | 5.31 | 1.00 | 0.18 | 13.10 | 49.36 | 17.10 | 3.26 | 15.87 | 7.09 | 1.24 | 0.22 | 16.58 | 61.36 |
| | C80TE006 | 14.66 | 3.21 | 11.90 | 5.31 | 1.00 | 0.18 | 13.10 | 49.36 | 17.10 | 3.26 | 15.87 | 7.09 | 1.24 | 0.22 | 16.58 | 61.36 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***C80*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | C80TE007 | 20.47 | 5.06 | 15.54 | 5.01 | 1.25 | 0.22 | 21.35 | 68.90 | 23.40 | 5.11 | 20.72 | 6.68 | 1.52 | 0.27 | 26.14 | 83.84 |
| **C85** | | | | | | | | | | | | | | | | | |
| | C85AM016 | 40.61 | 13.29 | 9.86 | 2.93 | 0.00 | 0.00 | 57.29 | 123.98 | 49.64 | 13.44 | 12.67 | 3.77 | 0.00 | 0.00 | 73.70 | 153.22 |
| | C85AM017 | 43.37 | 14.19 | 9.86 | 2.93 | 0.00 | 0.00 | 61.18 | 131.53 | 53.01 | 14.35 | 12.67 | 3.77 | 0.00 | 0.00 | 78.70 | 162.50 |
| | C85KC003 | 35.87 | 10.74 | 8.29 | 2.26 | 0.00 | 0.00 | 45.27 | 102.43 | 44.83 | 10.88 | 10.66 | 2.91 | 0.00 | 0.00 | 59.92 | 129.20 |
| | C85KC004 | 22.65 | 6.78 | 5.57 | 1.52 | 0.00 | 0.00 | 28.59 | 65.11 | 28.31 | 6.87 | 7.16 | 1.95 | 0.00 | 0.00 | 37.83 | 82.12 |
| | C85KC005 | 26.10 | 7.81 | 6.66 | 1.82 | 0.00 | 0.00 | 32.95 | 75.34 | 32.63 | 7.92 | 8.57 | 2.34 | 0.00 | 0.00 | 43.61 | 95.07 |
| | C85KC006 | 60.88 | 19.92 | 8.73 | 2.60 | 0.00 | 0.00 | 85.88 | 178.01 | 74.41 | 20.15 | 11.22 | 3.34 | 0.00 | 0.00 | 110.48 | 219.60 |
| | C85KC007 | 21.91 | 6.54 | 5.57 | 1.38 | 0.00 | 0.00 | 25.94 | 61.34 | 26.30 | 6.61 | 7.16 | 1.78 | 0.00 | 0.00 | 33.20 | 75.05 |
| | C85KC008 | 43.21 | 14.14 | 9.89 | 2.94 | 0.00 | 0.00 | 60.95 | 131.13 | 52.81 | 14.30 | 12.71 | 3.78 | 0.00 | 0.00 | 78.40 | 162.00 |
| | C85LB013 | 28.22 | 8.45 | 8.23 | 2.25 | 0.00 | 0.00 | 35.62 | 82.77 | 35.27 | 8.56 | 10.58 | 2.89 | 0.00 | 0.00 | 47.14 | 104.44 |
| | C85LB014 | 37.02 | 11.08 | 8.23 | 2.25 | 0.00 | 0.00 | 46.74 | 105.32 | 46.28 | 11.23 | 10.58 | 2.89 | 0.00 | 0.00 | 61.85 | 132.83 |
| | C85LB015 | 41.71 | 12.49 | 6.48 | 1.77 | 0.00 | 0.00 | 52.66 | 115.11 | 52.14 | 12.65 | 8.33 | 2.27 | 0.00 | 0.00 | 69.69 | 145.08 |
| | C85LB016 | 49.37 | 16.15 | 7.76 | 2.31 | 0.00 | 0.00 | 69.64 | 145.23 | 60.34 | 16.34 | 9.98 | 2.97 | 0.00 | 0.00 | 89.58 | 179.21 |
| | C85LB017 | 64.57 | 21.13 | 13.77 | 4.10 | 0.00 | 0.00 | 91.09 | 194.66 | 78.92 | 21.37 | 17.70 | 5.27 | 0.00 | 0.00 | 117.18 | 240.44 |
| | C85LB018 | 17.86 | 5.33 | 4.60 | 1.14 | 0.00 | 0.00 | 21.14 | 50.07 | 21.43 | 5.39 | 5.91 | 1.47 | 0.00 | 0.00 | 27.06 | 61.26 |
| | C85LB019 | 31.51 | 8.43 | 10.97 | 4.63 | 0.00 | 0.00 | 42.26 | 97.80 | 38.78 | 8.54 | 14.50 | 6.11 | 0.00 | 0.00 | 58.12 | 126.05 |
| | C85LB020 | 41.41 | 11.07 | 10.97 | 4.63 | 0.00 | 0.00 | 55.54 | 123.62 | 50.96 | 11.23 | 14.50 | 6.11 | 0.00 | 0.00 | 76.38 | 159.18 |
| | C85LB021 | 40.73 | 12.16 | 8.64 | 2.36 | 0.00 | 0.00 | 61.05 | 124.94 | 48.88 | 12.29 | 11.41 | 3.11 | 0.00 | 0.00 | 81.01 | 156.70 |
| | C85LB022 | 54.51 | 16.27 | 10.35 | 2.82 | 0.00 | 0.00 | 81.69 | 165.64 | 65.41 | 16.45 | 13.67 | 3.73 | 0.00 | 0.00 | 108.41 | 207.67 |
| | C85LB023 | 59.73 | 19.72 | 18.36 | 5.46 | 0.00 | 0.00 | 99.00 | 202.27 | 74.66 | 19.97 | 24.26 | 7.22 | 0.00 | 0.00 | 135.52 | 261.63 |
| | C85LI001 | 24.96 | 7.47 | 6.48 | 1.77 | 0.00 | 0.00 | 31.51 | 72.19 | 31.20 | 7.57 | 8.33 | 2.27 | 0.00 | 0.00 | 41.70 | 91.07 |
| | C85MA001 | 41.84 | 12.49 | 13.98 | 3.81 | 0.00 | 0.00 | 62.70 | 134.82 | 50.20 | 12.63 | 18.47 | 5.04 | 0.00 | 0.00 | 83.21 | 169.55 |
| | C85MA002 | 67.48 | 20.14 | 13.98 | 3.81 | 0.00 | 0.00 | 101.14 | 206.55 | 80.98 | 20.36 | 18.47 | 5.04 | 0.00 | 0.00 | 134.22 | 259.07 |
| | C85MA003 | 71.09 | 23.47 | 28.37 | 8.44 | 0.00 | 0.00 | 117.83 | 249.20 | 88.86 | 23.76 | 37.49 | 11.16 | 0.00 | 0.00 | 161.28 | 322.55 |
| | C85MA004 | 41.15 | 12.32 | 10.48 | 2.86 | 0.00 | 0.00 | 51.94 | 118.75 | 51.43 | 12.48 | 13.48 | 3.68 | 0.00 | 0.00 | 68.74 | 149.81 |
| | C85MA005 | 47.02 | 14.08 | 10.48 | 2.86 | 0.00 | 0.00 | 59.35 | 133.79 | 58.77 | 14.26 | 13.48 | 3.68 | 0.00 | 0.00 | 78.55 | 168.74 |
| | C85MA006 | 55.99 | 18.32 | 10.48 | 3.12 | 0.00 | 0.00 | 78.98 | 166.89 | 68.43 | 18.53 | 13.48 | 4.01 | 0.00 | 0.00 | 101.60 | 206.05 |
| | C85MA007 | 88.15 | 28.84 | 13.49 | 4.02 | 0.00 | 0.00 | 124.34 | 258.84 | 107.74 | 29.17 | 17.34 | 5.16 | 0.00 | 0.00 | 159.96 | 319.37 |
| | C85MA008 | 52.67 | 15.77 | 10.48 | 2.86 | 0.00 | 0.00 | 66.49 | 148.27 | 65.84 | 15.98 | 13.48 | 3.68 | 0.00 | 0.00 | 88.00 | 186.98 |
| | C85MA009 | 47.21 | 15.58 | 13.77 | 4.10 | 0.00 | 0.00 | 78.25 | 158.91 | 59.01 | 15.78 | 18.19 | 5.41 | 0.00 | 0.00 | 107.10 | 205.49 |
| | C85MA010 | 57.02 | 18.66 | 10.33 | 3.07 | 0.00 | 0.00 | 80.44 | 169.52 | 69.69 | 18.87 | 13.28 | 3.95 | 0.00 | 0.00 | 103.48 | 209.27 |
| | C85TE001 | 26.85 | 7.18 | 6.26 | 2.64 | 0.00 | 0.00 | 36.01 | 78.94 | 33.04 | 7.28 | 8.27 | 3.49 | 0.00 | 0.00 | 49.53 | 101.61 |
| | C85TE002 | 37.35 | 9.99 | 10.43 | 4.40 | 0.00 | 0.00 | 50.09 | 112.26 | 45.96 | 10.13 | 13.78 | 5.81 | 0.00 | 0.00 | 68.89 | 144.57 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***C85*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | C85TE003 | 41.78 | 12.47 | 13.98 | 3.81 | 0.00 | 0.00 | 62.62 | 134.66 | 50.14 | 12.61 | 18.47 | 5.04 | 0.00 | 0.00 | 83.10 | 169.36 |
| | C85TE008 | 24.75 | 7.41 | 5.76 | 1.57 | 0.00 | 0.00 | 31.24 | 70.73 | 30.94 | 7.51 | 7.40 | 2.02 | 0.00 | 0.00 | 41.35 | 89.22 |
| | C85TE009 | 30.82 | 9.23 | 7.20 | 1.96 | 0.00 | 0.00 | 38.90 | 88.11 | 38.52 | 9.35 | 9.25 | 2.52 | 0.00 | 0.00 | 51.48 | 111.12 |
| | C85TE010 | 39.18 | 11.73 | 7.51 | 2.05 | 0.00 | 0.00 | 49.46 | 109.93 | 48.98 | 11.88 | 9.66 | 2.64 | 0.00 | 0.00 | 65.45 | 138.61 |
| | C85TE011 | 52.55 | 17.19 | 9.86 | 2.93 | 0.00 | 0.00 | 74.13 | 156.66 | 64.23 | 17.39 | 12.67 | 3.77 | 0.00 | 0.00 | 95.37 | 193.43 |
| | C85TE012 | 52.74 | 17.26 | 10.48 | 3.12 | 0.00 | 0.00 | 74.40 | 158.00 | 64.46 | 17.46 | 13.48 | 4.01 | 0.00 | 0.00 | 95.71 | 195.12 |
| | C85TE013 | 57.89 | 18.94 | 10.48 | 3.12 | 0.00 | 0.00 | 81.66 | 172.09 | 70.75 | 19.16 | 13.48 | 4.01 | 0.00 | 0.00 | 105.05 | 212.45 |
| | C85TE014 | 47.99 | 15.70 | 9.86 | 2.93 | 0.00 | 0.00 | 67.70 | 144.18 | 58.66 | 15.88 | 12.67 | 3.77 | 0.00 | 0.00 | 87.09 | 178.07 |
| **C90** | | | | | | | | | | | | | | | | | |
| | C90LB001 | 47.59 | 15.87 | 11.76 | 3.80 | 4.22 | 0.74 | 67.71 | 151.69 | 52.87 | 15.95 | 15.42 | 4.97 | 5.21 | 0.91 | 79.41 | 174.74 |
| | C90LB002 | 54.93 | 18.30 | 13.35 | 4.31 | 4.22 | 0.74 | 78.14 | 173.99 | 61.03 | 18.38 | 17.43 | 5.62 | 5.21 | 0.91 | 91.64 | 200.22 |
| | C90LB003 | 87.23 | 29.04 | 17.69 | 5.71 | 6.32 | 1.11 | 124.08 | 271.18 | 96.92 | 29.18 | 22.94 | 7.40 | 7.82 | 1.37 | 145.51 | 311.14 |
| **C95** | | | | | | | | | | | | | | | | | |
| | C95AP004 | 19.17 | 5.72 | 6.74 | 8.18 | 0.00 | 0.00 | 25.71 | 65.52 | | | | | | | | |
| | C95AP005 | 0.61 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.81 | 1.60 | | | | | | | | |
| | C95AP006 | 1.13 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.52 | 2.99 | | | | | | | | |
| | C95AP007 | 30.27 | 9.04 | 11.21 | 11.95 | 0.00 | 0.00 | 40.61 | 103.08 | | | | | | | | |
| | C95AP008 | 4.62 | 1.38 | 0.00 | 0.50 | 0.00 | 0.00 | 6.20 | 12.70 | | | | | | | | |
| | C95AP009 | 1.53 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 4.05 | | | | | | | | |
| | C95AP010 | 40.47 | 12.08 | 11.43 | 12.09 | 0.00 | 0.00 | 54.28 | 130.35 | | | | | | | | |
| | C95AP011 | 1.43 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 1.92 | 3.78 | | | | | | | | |
| | C95AP012 | 5.77 | 1.72 | 0.00 | 0.50 | 0.00 | 0.00 | 7.74 | 15.73 | | | | | | | | |
| | C95AP013 | 38.60 | 11.52 | 18.64 | 16.56 | 0.00 | 0.00 | 51.78 | 137.10 | | | | | | | | |
| | C95AP014 | 1.30 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 1.75 | 3.44 | | | | | | | | |
| | C95AP015 | 5.03 | 1.50 | 0.00 | 0.50 | 0.00 | 0.00 | 6.75 | 13.78 | | | | | | | | |
| | C95AP016 | 1.75 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 2.35 | 4.62 | | | | | | | | |
| | C95AP017 | 16.32 | 4.87 | 6.58 | 7.08 | 0.00 | 0.00 | 21.89 | 56.74 | | | | | | | | |
| | C95AP018 | 0.54 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 1.42 | | | | | | | | |
| | C95AP019 | 3.12 | 0.93 | 0.00 | 0.50 | 0.00 | 0.00 | 4.19 | 8.74 | | | | | | | | |
| | C95AP020 | 18.02 | 5.38 | 11.74 | 10.28 | 0.00 | 0.00 | 24.16 | 69.58 | | | | | | | | |
| | C95AP021 | 28.22 | 8.42 | 13.58 | 12.42 | 0.00 | 0.00 | 37.85 | 100.49 | | | | | | | | |
| | C95AP022 | 4.26 | 1.27 | 1.26 | 1.78 | 0.00 | 0.00 | 5.71 | 14.28 | | | | | | | | |
| | C95AP023 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.26 | | | | | | | | |
| | C95LH003 | 16.71 | 4.99 | 5.74 | 6.56 | 0.00 | 0.00 | 22.41 | 56.41 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***C95*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | C95LH005 | 21.75 | 6.49 | 7.79 | 8.83 | 0.00 | 0.00 | 29.17 | 74.03 | | | | | | | | |
| | C95LH011 | 40.61 | 12.12 | 11.74 | 12.28 | 0.00 | 0.00 | 54.47 | 131.22 | | | | | | | | |
| | C95LH013 | 51.85 | 15.48 | 11.74 | 12.28 | 0.00 | 0.00 | 69.54 | 160.89 | | | | | | | | |
| | C95LH015 | 69.10 | 20.63 | 16.69 | 17.35 | 0.00 | 0.00 | 92.68 | 216.45 | | | | | | | | |
| | C95LH022 | 14.68 | 4.42 | 1.84 | 3.14 | 0.46 | 0.08 | 19.72 | 44.34 | | | | | | | | |
| | C95LH023 | 20.52 | 6.18 | 3.42 | 5.12 | 0.63 | 0.11 | 27.56 | 63.54 | | | | | | | | |
| **D10** | | | | | | | | | | | | | | | | | |
| | D10IR003 | 6.40 | 1.67 | 0.00 | 0.79 | 0.00 | 0.00 | 11.14 | 20.00 | | | | | | | | |
| | D10IR005 | 27.92 | 5.33 | 13.13 | 4.56 | 0.00 | 0.00 | 48.62 | 99.56 | | | | | | | | |
| | D10SU002 | 7.88 | 2.05 | 0.00 | 0.80 | 0.00 | 0.00 | 13.73 | 24.46 | | | | | | | | |
| | D10SU003 | 8.07 | 2.10 | 0.00 | 0.80 | 0.00 | 0.00 | 14.04 | 25.01 | | | | | | | | |
| | D10SU005 | 12.26 | 2.34 | 15.88 | 5.51 | 0.00 | 0.00 | 21.35 | 57.34 | | | | | | | | |
| | D10SU006 | 12.41 | 2.37 | 15.88 | 5.51 | 0.00 | 0.00 | 21.61 | 57.78 | | | | | | | | |
| **D15** | | | | | | | | | | | | | | | | | |
| | D15BI001 | 1.18 | 0.23 | 2.11 | 0.84 | 0.00 | 0.00 | 1.85 | 6.21 | | | | | | | | |
| | D15BI002 | 1.59 | 0.30 | 1.22 | 0.42 | 0.00 | 0.00 | 2.49 | 6.02 | | | | | | | | |
| | D15BI003 | 2.48 | 0.47 | 1.83 | 0.64 | 0.00 | 0.00 | 3.88 | 9.30 | | | | | | | | |
| | D15BI004 | 3.45 | 0.66 | 2.75 | 0.96 | 0.00 | 0.00 | 5.40 | 13.22 | | | | | | | | |
| | D15BI005 | 5.26 | 1.00 | 4.15 | 1.44 | 0.00 | 0.00 | 8.24 | 20.09 | | | | | | | | |
| | D15BI006 | 8.23 | 1.57 | 6.72 | 2.33 | 0.00 | 0.00 | 12.89 | 31.74 | | | | | | | | |
| | D15BI007 | 12.05 | 2.30 | 10.45 | 3.63 | 0.00 | 0.00 | 18.88 | 47.31 | | | | | | | | |
| | D15BI008 | 10.08 | 1.92 | 10.45 | 3.63 | 0.00 | 0.00 | 15.79 | 41.87 | | | | | | | | |
| | D15XX001 | 0.46 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 1.26 | | | | | | | | |
| | D15XX002 | 0.69 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 1.08 | 1.90 | | | | | | | | |
| **D20** | | | | | | | | | | | | | | | | | |
| | D20AD002 | 0.40 | 0.06 | 0.13 | 0.32 | 0.00 | 0.00 | 0.59 | 1.50 | | | | | | | | |
| | D20AD005 | 0.39 | 0.06 | 0.13 | 0.32 | 0.00 | 0.00 | 0.58 | 1.48 | | | | | | | | |
| | D20AD006 | 0.65 | 0.10 | 0.26 | 0.55 | 0.00 | 0.00 | 0.97 | 2.53 | | | | | | | | |
| | D20AD007 | 1.08 | 0.17 | 0.52 | 1.09 | 0.00 | 0.00 | 1.60 | 4.46 | | | | | | | | |
| | D20CQ001 | 2.53 | 0.39 | 5.54 | 2.60 | 0.00 | 0.00 | 3.74 | 14.80 | | | | | | | | |
| | D20LY001 | 0.58 | 0.09 | 0.19 | 0.61 | 0.00 | 0.00 | 0.86 | 2.33 | | | | | | | | |
| | D20LY002 | 0.60 | 0.09 | 0.00 | 0.60 | 0.00 | 0.00 | 0.89 | 2.18 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| D25 | | | | | | | | | | | | | | | | | |
| | D25AD003 | 5.63 | 1.07 | 4.22 | 1.26 | 0.00 | 0.00 | 9.80 | 21.98 | | | | | | | | |
| | D25AD004 | 4.49 | 0.86 | 1.71 | 0.51 | 0.00 | 0.00 | 7.82 | 15.39 | | | | | | | | |
| | D25EZ001 | 0.61 | 0.12 | 0.00 | 0.50 | 0.00 | 0.00 | 1.07 | 2.30 | | | | | | | | |
| | D25EZ002 | 0.49 | 0.10 | 0.00 | 0.50 | 0.06 | 0.01 | 0.87 | 2.03 | | | | | | | | |
| | D25EZ003 | 0.54 | 0.11 | 0.00 | 0.50 | 0.04 | 0.01 | 0.95 | 2.15 | | | | | | | | |
| | D25EZ005 | 2.04 | 0.40 | 0.00 | 1.25 | 0.08 | 0.01 | 3.57 | 7.35 | | | | | | | | |
| D30 | | | | | | | | | | | | | | | | | |
| | D30HD001 | 7.24 | 1.38 | 12.83 | 6.46 | 0.00 | 0.00 | 12.61 | 40.52 | | | | | | | | |
| | D30HD002 | 10.88 | 2.08 | 16.49 | 8.73 | 0.00 | 0.00 | 18.94 | 57.12 | | | | | | | | |
| | D30HD003 | 14.17 | 2.70 | 20.47 | 11.11 | 0.00 | 0.00 | 24.67 | 73.12 | | | | | | | | |
| | D30MR001 | 0.61 | 0.12 | 1.06 | 0.42 | 0.00 | 0.00 | 1.07 | 3.28 | | | | | | | | |
| | D30MR003 | 6.07 | 1.17 | 3.54 | 1.23 | 0.13 | 0.02 | 10.60 | 22.76 | | | | | | | | |
| | D30MR005 | 11.09 | 2.15 | 30.15 | 10.47 | 0.51 | 0.09 | 19.38 | 73.84 | | | | | | | | |
| | D30MR006 | 12.79 | 2.47 | 9.17 | 3.18 | 0.51 | 0.09 | 22.35 | 50.56 | | | | | | | | |
| | D30MR007 | 18.26 | 3.52 | 9.17 | 3.18 | 0.51 | 0.09 | 31.87 | 66.60 | | | | | | | | |
| D35 | | | | | | | | | | | | | | | | | |
| | D35IB003 | 21.63 | 6.51 | 32.99 | 13.10 | 1.13 | 0.20 | 35.36 | 110.92 | | | | | | | | |
| | D35IB004 | 20.55 | 6.20 | 32.38 | 12.85 | 1.54 | 0.27 | 33.63 | 107.42 | | | | | | | | |
| | D35IB005 | 23.86 | 7.19 | 39.10 | 15.52 | 1.54 | 0.27 | 39.03 | 126.51 | | | | | | | | |
| | D35IB006 | 25.10 | 7.56 | 39.83 | 15.81 | 1.54 | 0.27 | 41.05 | 131.16 | | | | | | | | |
| | D35RD001 | 18.99 | 4.48 | 28.09 | 13.24 | 0.00 | 0.00 | 30.99 | 95.79 | | | | | | | | |
| | D35RD004 | 26.16 | 6.18 | 26.27 | 12.38 | 0.00 | 0.00 | 42.71 | 113.70 | | | | | | | | |
| | D35RD005 | 26.47 | 6.25 | 26.27 | 12.38 | 0.00 | 0.00 | 43.22 | 114.59 | | | | | | | | |
| | D35RD006 | 27.60 | 6.52 | 26.27 | 12.38 | 0.00 | 0.00 | 45.06 | 117.83 | | | | | | | | |
| | D35RD007 | 30.47 | 7.20 | 45.82 | 21.59 | 0.00 | 0.00 | 49.75 | 154.83 | | | | | | | | |
| | D35RD009 | 33.53 | 10.01 | 45.82 | 18.18 | 0.00 | 0.00 | 54.74 | 162.28 | | | | | | | | |
| F10 | | | | | | | | | | | | | | | | | |
| | F10C4039 | 5.73 | 1.03 | 5.16 | 1.54 | 0.75 | 0.13 | 6.58 | 20.92 | | | | | | | | |
| | F10C4040 | 7.83 | 1.39 | 5.16 | 1.54 | 0.75 | 0.13 | 8.97 | 25.77 | | | | | | | | |
| | F10C4042 | 8.75 | 1.54 | 5.16 | 1.54 | 0.56 | 0.10 | 10.00 | 27.65 | | | | | | | | |
| | F10C4043 | 9.20 | 1.64 | 5.16 | 1.54 | 0.96 | 0.17 | 10.53 | 29.20 | | | | | | | | |
| | F10JC001 | 4.29 | 0.78 | 3.29 | 0.98 | 0.56 | 0.10 | 4.94 | 14.94 | | | | | | | | |
| | F10JC002 | 4.91 | 0.89 | 3.29 | 0.98 | 0.58 | 0.10 | 5.64 | 16.39 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***F10*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | F10JD001 | 3.87 | 0.71 | 3.59 | 1.07 | 0.47 | 0.08 | 4.45 | 14.24 | | | | | | | | |
| | F10JD002 | 3.91 | 0.71 | 3.59 | 1.07 | 0.47 | 0.08 | 4.50 | 14.33 | | | | | | | | |
| | F10JD003 | 4.16 | 0.76 | 3.59 | 1.07 | 0.47 | 0.08 | 4.79 | 14.92 | | | | | | | | |
| **G10** | | | | | | | | | | | | | | | | | |
| | G10CA012 | 2.76 | 0.40 | 15.44 | 4.60 | 0.00 | 0.00 | 2.56 | 25.76 | 3.45 | 0.41 | 20.59 | 6.13 | 0.00 | 0.00 | 3.65 | 34.23 |
| | G10CA013 | 3.50 | 0.51 | 19.91 | 5.93 | 0.00 | 0.00 | 3.25 | 33.10 | 4.38 | 0.52 | 26.55 | 7.90 | 0.00 | 0.00 | 4.64 | 43.99 |
| | G10CA014 | 4.56 | 0.66 | 26.36 | 7.85 | 0.00 | 0.00 | 4.23 | 43.66 | 5.70 | 0.68 | 35.14 | 10.46 | 0.00 | 0.00 | 6.04 | 58.02 |
| | G10CA015 | 6.29 | 0.91 | 33.78 | 10.05 | 0.00 | 0.00 | 5.83 | 56.86 | 7.87 | 0.94 | 45.04 | 13.41 | 0.00 | 0.00 | 8.33 | 75.59 |
| | G10CA016 | 7.82 | 1.13 | 40.17 | 11.96 | 0.00 | 0.00 | 7.25 | 68.33 | 9.77 | 1.16 | 53.56 | 15.94 | 0.00 | 0.00 | 10.35 | 90.78 |
| | G10CA017 | 12.27 | 1.77 | 53.55 | 15.94 | 0.00 | 0.00 | 11.37 | 94.90 | 15.33 | 1.83 | 71.39 | 21.25 | 0.00 | 0.00 | 16.24 | 126.04 |
| | G10CA018 | 15.58 | 2.25 | 70.95 | 21.12 | 0.00 | 0.00 | 14.43 | 124.33 | 19.47 | 2.32 | 94.60 | 28.16 | 0.00 | 0.00 | 20.62 | 165.17 |
| | G10CA019 | 26.19 | 3.78 | 113.29 | 33.72 | 0.00 | 0.00 | 24.27 | 201.25 | 32.73 | 3.90 | 151.05 | 44.96 | 0.00 | 0.00 | 34.66 | 267.30 |
| | G10CA020 | 2.17 | 0.31 | 8.56 | 2.55 | 0.00 | 0.00 | 2.01 | 15.60 | 2.72 | 0.32 | 11.41 | 3.40 | 0.00 | 0.00 | 2.88 | 20.73 |
| | G10WC001 | 0.24 | 0.03 | 0.86 | 0.26 | 0.00 | 0.00 | 0.19 | 1.58 | 0.27 | 0.03 | 1.12 | 0.33 | 0.00 | 0.00 | 0.25 | 2.00 |
| | G10WC002 | 0.30 | 0.04 | 1.18 | 0.35 | 0.00 | 0.00 | 0.24 | 2.11 | 0.35 | 0.04 | 1.54 | 0.46 | 0.00 | 0.00 | 0.32 | 2.71 |
| | G10WC003 | 0.44 | 0.05 | 1.72 | 0.51 | 0.00 | 0.00 | 0.35 | 3.07 | 0.50 | 0.05 | 2.24 | 0.67 | 0.00 | 0.00 | 0.46 | 3.92 |
| | G10WC004 | 0.50 | 0.06 | 1.93 | 0.57 | 0.00 | 0.00 | 0.39 | 3.45 | 0.57 | 0.06 | 2.52 | 0.75 | 0.00 | 0.00 | 0.52 | 4.42 |
| | G10XX001 | 0.10 | 0.01 | 0.11 | 0.03 | 0.00 | 0.00 | 0.08 | 0.33 | 0.11 | 0.01 | 0.14 | 0.04 | 0.00 | 0.00 | 0.10 | 0.40 |
| | G10XX002 | 0.61 | 0.07 | 2.04 | 0.61 | 0.00 | 0.00 | 0.48 | 3.81 | 0.69 | 0.07 | 2.66 | 0.79 | 0.00 | 0.00 | 0.64 | 4.85 |
| | G10XX003 | 1.08 | 0.13 | 1.13 | 0.34 | 0.00 | 0.00 | 0.86 | 3.54 | 1.23 | 0.13 | 1.51 | 0.45 | 0.00 | 0.00 | 1.14 | 4.46 |
| | G10XX004 | 0.57 | 0.07 | 0.44 | 0.13 | 0.00 | 0.00 | 0.46 | 1.67 | 0.65 | 0.07 | 0.59 | 0.18 | 0.00 | 0.00 | 0.61 | 2.10 |
| | G10XX005 | 1.36 | 0.20 | 3.86 | 1.15 | 0.00 | 0.00 | 1.26 | 7.83 | 1.70 | 0.20 | 5.05 | 1.50 | 0.00 | 0.00 | 1.80 | 10.25 |
| | G10XX006 | 1.23 | 0.18 | 5.36 | 1.60 | 0.00 | 0.00 | 1.14 | 9.51 | 1.53 | 0.18 | 7.01 | 2.09 | 0.00 | 0.00 | 1.62 | 12.43 |
| | G10XX007 | 1.49 | 0.22 | 7.51 | 2.24 | 0.00 | 0.00 | 1.38 | 12.84 | 1.87 | 0.22 | 9.82 | 2.92 | 0.00 | 0.00 | 1.97 | 16.80 |
| | G10XX008 | 1.88 | 0.27 | 5.26 | 1.57 | 0.00 | 0.00 | 1.75 | 10.73 | 2.36 | 0.28 | 7.01 | 2.09 | 0.00 | 0.00 | 2.49 | 14.23 |
| | G10XX009 | 1.93 | 0.28 | 7.03 | 2.09 | 0.00 | 0.00 | 1.79 | 13.12 | 2.42 | 0.29 | 9.38 | 2.79 | 0.00 | 0.00 | 2.56 | 17.44 |
| | G10XX010 | 2.65 | 0.38 | 9.83 | 2.93 | 0.00 | 0.00 | 2.46 | 18.25 | 3.31 | 0.39 | 13.11 | 3.90 | 0.00 | 0.00 | 3.51 | 24.22 |
| | G10XX011 | 3.20 | 0.46 | 18.44 | 5.49 | 0.00 | 0.00 | 2.97 | 30.56 | 4.00 | 0.48 | 24.59 | 7.32 | 0.00 | 0.00 | 4.24 | 40.63 |
| | G10XX012 | 4.63 | 0.67 | 21.04 | 6.26 | 0.00 | 0.00 | 4.29 | 36.89 | 5.79 | 0.69 | 28.06 | 8.35 | 0.00 | 0.00 | 6.13 | 49.02 |
| | G10XX013 | 6.81 | 0.98 | 28.03 | 8.34 | 0.00 | 0.00 | 6.31 | 50.47 | 8.51 | 1.01 | 37.37 | 11.12 | 0.00 | 0.00 | 9.02 | 67.03 |
| | G10XX014 | 8.57 | 1.24 | 35.06 | 10.44 | 0.00 | 0.00 | 7.94 | 63.25 | 10.71 | 1.28 | 46.74 | 13.91 | 0.00 | 0.00 | 11.34 | 83.98 |
| | G10XX015 | 12.54 | 1.81 | 51.63 | 15.37 | 0.00 | 0.00 | 11.62 | 92.97 | 15.67 | 1.87 | 68.84 | 20.49 | 0.00 | 0.00 | 16.59 | 123.46 |
| | G10XX016 | 19.30 | 2.79 | 70.07 | 20.86 | 0.00 | 0.00 | 17.88 | 130.90 | 24.12 | 2.87 | 93.42 | 27.81 | 0.00 | 0.00 | 25.55 | 173.77 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| G15 | | | | | | | | | | | | | | | | | |
| | G15CA001 | 9.76 | 2.66 | 5.77 | 2.43 | 0.75 | 0.13 | 11.88 | 33.38 | 10.49 | 2.68 | 7.45 | 3.14 | 1.02 | 0.18 | 14.45 | 39.41 |
| | G15CA003 | 11.52 | 3.14 | 6.47 | 2.73 | 0.75 | 0.13 | 14.01 | 38.75 | 12.38 | 3.15 | 8.34 | 3.52 | 1.02 | 0.18 | 17.05 | 45.64 |
| | G15CA004 | 12.25 | 3.34 | 7.62 | 3.21 | 0.84 | 0.15 | 14.90 | 42.31 | 13.16 | 3.35 | 9.83 | 4.15 | 1.13 | 0.20 | 18.13 | 49.95 |
| | G15CA005 | 16.68 | 4.59 | 9.93 | 4.19 | 2.04 | 0.36 | 20.34 | 58.13 | 17.92 | 4.61 | 12.81 | 5.40 | 2.76 | 0.48 | 24.75 | 68.73 |
| | G15CA006 | 23.91 | 6.61 | 12.70 | 5.36 | 4.10 | 0.72 | 29.18 | 82.58 | 25.68 | 6.64 | 16.39 | 6.91 | 5.54 | 0.97 | 35.52 | 97.65 |
| | G15CA007 | 10.37 | 2.83 | 6.24 | 2.63 | 0.75 | 0.13 | 12.62 | 35.57 | 11.14 | 2.84 | 8.05 | 3.39 | 1.02 | 0.18 | 15.35 | 41.97 |
| | G15CA008 | 14.14 | 3.85 | 8.55 | 3.61 | 0.90 | 0.16 | 17.18 | 48.39 | 15.18 | 3.86 | 11.03 | 4.65 | 1.25 | 0.22 | 20.91 | 57.10 |
| | G15CA009 | 13.19 | 3.59 | 8.55 | 3.61 | 0.87 | 0.15 | 16.04 | 46.00 | 14.17 | 3.61 | 11.03 | 4.65 | 1.17 | 0.21 | 19.52 | 54.36 |
| | G15CA010 | 15.31 | 4.16 | 9.24 | 3.90 | 0.93 | 0.16 | 18.60 | 52.30 | 16.44 | 4.18 | 11.92 | 5.03 | 1.29 | 0.23 | 22.64 | 61.73 |
| | G15JD008 | 10.35 | 2.87 | 6.97 | 2.94 | 1.67 | 0.29 | 12.64 | 37.73 | 11.12 | 2.88 | 9.00 | 3.80 | 2.26 | 0.40 | 15.38 | 44.84 |
| | G15JD009 | 11.80 | 3.26 | 7.21 | 3.04 | 1.79 | 0.31 | 14.40 | 41.81 | 12.68 | 3.27 | 9.30 | 3.92 | 2.49 | 0.44 | 17.52 | 49.62 |
| | G15JD010 | 11.94 | 3.30 | 8.55 | 3.61 | 1.67 | 0.29 | 14.56 | 43.92 | 12.82 | 3.31 | 11.03 | 4.65 | 2.26 | 0.40 | 17.72 | 52.19 |
| | G15JD011 | 13.56 | 3.73 | 9.47 | 3.99 | 1.79 | 0.31 | 16.53 | 49.38 | 14.57 | 3.75 | 12.22 | 5.15 | 2.49 | 0.44 | 20.12 | 58.74 |
| | G15KM006 | 12.01 | 3.31 | 6.65 | 2.80 | 1.79 | 0.31 | 14.65 | 41.52 | 12.90 | 3.33 | 8.58 | 3.62 | 2.49 | 0.44 | 17.83 | 49.19 |
| | G15KM007 | 10.86 | 3.02 | 7.67 | 3.23 | 1.89 | 0.33 | 13.27 | 40.27 | 11.67 | 3.03 | 9.89 | 4.17 | 2.55 | 0.45 | 16.15 | 47.91 |
| | G15KM008 | 14.01 | 3.86 | 9.42 | 3.97 | 2.02 | 0.35 | 17.09 | 50.72 | 15.05 | 3.88 | 12.16 | 5.13 | 2.82 | 0.49 | 20.80 | 60.33 |
| | G15KM009 | 18.00 | 4.95 | 11.32 | 4.77 | 2.04 | 0.36 | 21.94 | 63.38 | 19.34 | 4.97 | 14.60 | 6.16 | 2.76 | 0.48 | 26.70 | 75.01 |
| H10 | | | | | | | | | | | | | | | | | |
| | H10NP001 | 0.84 | 0.09 | 0.00 | 0.50 | 0.00 | 0.00 | 1.27 | 2.70 | | | | | | | | |
| | H10NP002 | 0.93 | 0.10 | 0.00 | 0.50 | 0.00 | 0.00 | 1.41 | 2.94 | | | | | | | | |
| | H10NP003 | 1.39 | 0.15 | 0.00 | 0.75 | 0.00 | 0.00 | 2.11 | 4.40 | | | | | | | | |
| | H10NP004 | 1.79 | 0.20 | 0.00 | 0.75 | 0.00 | 0.00 | 2.72 | 5.46 | | | | | | | | |
| | H10NP005 | 2.37 | 0.26 | 0.00 | 1.00 | 0.00 | 0.00 | 3.60 | 7.23 | | | | | | | | |
| | H10NP006 | 3.19 | 0.35 | 0.00 | 1.00 | 0.00 | 0.00 | 4.84 | 9.38 | | | | | | | | |
| | H10NP007 | 4.38 | 0.49 | 0.00 | 1.00 | 0.00 | 0.00 | 6.64 | 12.51 | | | | | | | | |
| | H10NP008 | 4.84 | 0.54 | 0.00 | 1.25 | 0.00 | 0.00 | 7.34 | 13.97 | | | | | | | | |
| | H10NP009 | 6.17 | 0.68 | 0.00 | 1.25 | 0.00 | 0.00 | 9.37 | 17.47 | | | | | | | | |
| | H10NP015 | 7.52 | 0.83 | 0.00 | 1.25 | 0.00 | 0.00 | 11.41 | 21.01 | | | | | | | | |
| | H10NP016 | 10.36 | 1.15 | 0.00 | 1.25 | 0.00 | 0.00 | 15.71 | 28.47 | | | | | | | | |
| | H10NP017 | 13.53 | 1.50 | 0.00 | 1.25 | 0.00 | 0.00 | 20.53 | 36.81 | | | | | | | | |
| | H10NP018 | 31.39 | 3.48 | 0.00 | 1.25 | 0.00 | 0.00 | 47.63 | 83.75 | | | | | | | | |
| H13 | | | | | | | | | | | | | | | | | |
| | H13AY007 | 11.71 | 2.03 | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 | 29.74 | | | | | | | | |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***H13*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | H13AY008 | 5.70 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 | 7.79 | 14.48 | | | | | | | | |
| | H13AY009 | 10.41 | 1.81 | 0.00 | 0.00 | 0.00 | 0.00 | 14.23 | 26.45 | | | | | | | | |
| | H13AY010 | 5.26 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 7.19 | 13.36 | | | | | | | | |
| | H13AY011 | 8.69 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 11.88 | 22.08 | | | | | | | | |
| | H13AY012 | 4.40 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 6.02 | 11.18 | | | | | | | | |
| | H13AY013 | 6.97 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 9.52 | 17.70 | | | | | | | | |
| | H13AY014 | 3.71 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 5.06 | 9.41 | | | | | | | | |
| | H13AY015 | 4.10 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 5.60 | 10.41 | | | | | | | | |
| | H13AY016 | 2.64 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 3.61 | 6.71 | | | | | | | | |
| | H13AY017 | 12.97 | 2.25 | 0.00 | 0.00 | 0.00 | 0.00 | 17.71 | 32.93 | | | | | | | | |
| | H13AY018 | 6.57 | 1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 8.98 | 16.69 | | | | | | | | |
| | H13AY019 | 0.86 | 0.15 | 0.05 | 0.28 | 0.00 | 0.00 | 1.17 | 2.51 | | | | | | | | |
| | H13AY020 | 1.11 | 0.19 | 0.05 | 0.28 | 0.00 | 0.00 | 1.52 | 3.15 | | | | | | | | |
| | H13AY021 | 14.68 | 2.34 | 0.00 | 0.00 | 0.31 | 0.05 | 16.81 | 34.19 | | | | | | | | |
| | H13AY022 | 7.84 | 1.26 | 0.00 | 0.00 | 0.31 | 0.05 | 8.99 | 18.45 | | | | | | | | |
| | H13AY023 | 13.32 | 2.13 | 0.00 | 0.00 | 0.31 | 0.05 | 15.25 | 31.06 | | | | | | | | |
| | H13AY024 | 6.93 | 1.12 | 0.00 | 0.00 | 0.31 | 0.05 | 7.96 | 16.37 | | | | | | | | |
| | H13AY025 | 11.85 | 1.90 | 0.00 | 0.00 | 0.31 | 0.05 | 13.58 | 27.69 | | | | | | | | |
| | H13AY026 | 6.38 | 1.03 | 0.00 | 0.00 | 0.31 | 0.05 | 7.33 | 15.10 | | | | | | | | |
| | H13AY027 | 9.94 | 1.60 | 0.00 | 0.00 | 0.31 | 0.05 | 11.40 | 23.30 | | | | | | | | |
| | H13AY028 | 5.39 | 0.88 | 0.00 | 0.00 | 0.31 | 0.05 | 6.19 | 12.82 | | | | | | | | |
| | H13AY029 | 8.02 | 1.29 | 0.00 | 0.00 | 0.31 | 0.05 | 9.20 | 18.87 | | | | | | | | |
| | H13AY030 | 4.56 | 0.75 | 0.00 | 0.00 | 0.31 | 0.05 | 5.24 | 10.91 | | | | | | | | |
| | H13AY031 | 4.96 | 0.81 | 0.00 | 0.00 | 0.31 | 0.05 | 5.70 | 11.83 | | | | | | | | |
| | H13AY032 | 3.41 | 0.56 | 0.00 | 0.00 | 0.31 | 0.05 | 3.93 | 8.26 | | | | | | | | |
| | H13BB001 | 5.85 | 0.43 | 0.53 | 1.05 | 0.00 | 0.00 | 8.36 | 16.22 | | | | | | | | |
| | H13BB002 | 7.49 | 0.55 | 0.79 | 1.44 | 0.00 | 0.00 | 10.70 | 20.97 | | | | | | | | |
| | H13BC003 | 3.97 | 0.32 | 0.26 | 0.16 | 0.00 | 0.00 | 4.22 | 8.93 | | | | | | | | |
| | H13BC006 | 3.91 | 0.31 | 0.16 | 0.10 | 0.00 | 0.00 | 4.15 | 8.63 | | | | | | | | |
| | H13BC007 | 4.99 | 0.40 | 0.16 | 0.10 | 0.00 | 0.00 | 5.30 | 10.95 | | | | | | | | |
| | H13BC008 | 5.92 | 0.47 | 0.26 | 0.16 | 0.00 | 0.00 | 6.29 | 13.10 | | | | | | | | |
| | H13BC009 | 4.19 | 0.33 | 0.16 | 0.10 | 0.00 | 0.00 | 4.45 | 9.23 | | | | | | | | |
| | H13BC010 | 2.92 | 0.23 | 0.16 | 0.10 | 0.00 | 0.00 | 3.10 | 6.51 | | | | | | | | |
| | H13BC011 | 3.29 | 0.26 | 0.26 | 0.16 | 0.00 | 0.00 | 3.49 | 7.46 | | | | | | | | |
| | H13BC012 | 2.69 | 0.21 | 0.16 | 0.10 | 0.00 | 0.00 | 2.86 | 6.02 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***H13*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | H13BC013 | 2.43 | 0.19 | 0.16 | 0.10 | 0.00 | 0.00 | 2.58 | 5.46 | | | | | | | | |
| | H13CB001 | 1.73 | 0.27 | 0.26 | 0.41 | 0.00 | 0.00 | 1.98 | 4.65 | | | | | | | | |
| | H13CB002 | 1.90 | 0.30 | 0.53 | 0.58 | 0.00 | 0.00 | 2.17 | 5.48 | | | | | | | | |
| | H13CO002 | 0.72 | 0.11 | 0.26 | 0.41 | 0.00 | 0.00 | 0.82 | 2.32 | | | | | | | | |
| | H13CO003 | 1.17 | 0.24 | 0.16 | 0.35 | 0.00 | 0.00 | 1.59 | 3.51 | | | | | | | | |
| | H13CO004 | 2.27 | 0.46 | 0.16 | 0.60 | 0.00 | 0.00 | 3.10 | 6.59 | | | | | | | | |
| | H13CO005 | 3.66 | 0.75 | 0.16 | 0.60 | 0.00 | 0.00 | 5.00 | 10.17 | | | | | | | | |
| | H13CO006 | 2.68 | 0.55 | 0.16 | 0.45 | 0.00 | 0.00 | 3.66 | 7.50 | | | | | | | | |
| | H13EP001 | 1.72 | 0.27 | 0.26 | 0.41 | 0.00 | 0.00 | 1.97 | 4.63 | | | | | | | | |
| | H13EP002 | 2.20 | 0.45 | 0.39 | 0.54 | 0.00 | 0.00 | 3.00 | 6.58 | | | | | | | | |
| | H13MN001 | 23.75 | 3.80 | 7.90 | 7.41 | 0.55 | 0.10 | 30.59 | 74.10 | | | | | | | | |
| | H13MN002 | 29.11 | 4.66 | 10.53 | 9.88 | 0.71 | 0.12 | 37.51 | 92.52 | | | | | | | | |
| | H13MN003 | 33.45 | 5.34 | 10.53 | 10.88 | 0.71 | 0.12 | 43.08 | 104.11 | | | | | | | | |
| | H13MN004 | 38.67 | 6.17 | 15.80 | 14.82 | 0.71 | 0.12 | 49.80 | 126.09 | | | | | | | | |
| | H13SH001 | 3.23 | 0.51 | 1.05 | 0.59 | 0.00 | 0.00 | 4.15 | 9.53 | | | | | | | | |
| | H13SH002 | 2.98 | 0.47 | 1.05 | 0.59 | 0.00 | 0.00 | 3.83 | 8.92 | | | | | | | | |
| | H13SH003 | 5.96 | 0.94 | 2.11 | 1.18 | 0.00 | 0.00 | 7.66 | 17.85 | | | | | | | | |
| | H13SH004 | 6.29 | 0.99 | 2.11 | 1.18 | 0.00 | 0.00 | 8.09 | 18.66 | | | | | | | | |
| | H13SH005 | 10.68 | 1.69 | 5.27 | 2.94 | 0.00 | 0.00 | 13.73 | 34.31 | | | | | | | | |
| | H13SH006 | 34.57 | 5.46 | 15.80 | 8.82 | 0.00 | 0.00 | 44.45 | 109.10 | | | | | | | | |
| | H13SH007 | 43.83 | 6.93 | 31.59 | 17.63 | 0.00 | 0.00 | 56.36 | 156.34 | | | | | | | | |
| | H13TH001 | 0.91 | 0.14 | 0.26 | 0.16 | 0.00 | 0.00 | 1.04 | 2.51 | | | | | | | | |
| | H13TH002 | 1.68 | 0.27 | 0.44 | 0.13 | 0.07 | 0.01 | 1.92 | 4.52 | | | | | | | | |
| | H13TH003 | 2.10 | 0.34 | 0.79 | 0.24 | 0.07 | 0.01 | 2.41 | 5.96 | | | | | | | | |
| | H13YB001 | 26.72 | 4.22 | 2.63 | 1.63 | 0.00 | 0.00 | 30.56 | 65.76 | | | | | | | | |
| | H13YB002 | 26.72 | 4.22 | 2.63 | 1.63 | 0.00 | 0.00 | 30.56 | 65.76 | | | | | | | | |
| | H13YB003 | 26.72 | 4.22 | 2.63 | 1.63 | 0.00 | 0.00 | 30.56 | 65.76 | | | | | | | | |
| **H20** | | | | | | | | | | | | | | | | | |
| | H20BE002 | 1.66 | 0.26 | 0.00 | 0.20 | 0.00 | 0.00 | 2.02 | 4.14 | | | | | | | | |
| | H20BE003 | 2.14 | 0.34 | 0.00 | 0.30 | 0.00 | 0.00 | 2.60 | 5.38 | | | | | | | | |
| | H20BE004 | 3.18 | 0.50 | 0.00 | 0.40 | 0.00 | 0.00 | 3.86 | 7.94 | | | | | | | | |
| **H25** | | | | | | | | | | | | | | | | | |
| | H25AU001 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 2.15 | | | | | | | | |
| | H25AU002 | 0.95 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 1.36 | 2.41 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***H25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | H25AU003 | 1.40 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 3.54 | | | | | | | | |
| | H25AU004 | 2.21 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 3.16 | 5.59 | | | | | | | | |
| | H25AU005 | 2.26 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 3.22 | 5.71 | | | | | | | | |
| | H25AX001 | 0.89 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 2.25 | | | | | | | | |
| | H25AX002 | 0.97 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 1.38 | 2.45 | | | | | | | | |
| | H25AX003 | 1.09 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 1.56 | 2.76 | | | | | | | | |
| | H25AX004 | 1.24 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 1.77 | 3.14 | | | | | | | | |
| | H25AX005 | 1.19 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 3.02 | | | | | | | | |
| | H25AX006 | 1.35 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 3.42 | | | | | | | | |
| | H25BS001 | 0.58 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 1.35 | | | | | | | | |
| | H25BS002 | 0.67 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 | 1.56 | | | | | | | | |
| | H25BS003 | 0.72 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.87 | 1.67 | | | | | | | | |
| | H25BS004 | 0.90 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 1.09 | 2.09 | | | | | | | | |
| | H25BS005 | 1.38 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 3.21 | | | | | | | | |
| | H25CA020 | 9.12 | 1.50 | 3.88 | 1.83 | 0.00 | 0.00 | 10.75 | 27.08 | 11.07 | 1.53 | 5.18 | 2.44 | 0.00 | 0.00 | 15.84 | 36.06 |
| | H25CA021 | 10.46 | 1.72 | 4.13 | 1.95 | 0.00 | 0.00 | 12.33 | 30.59 | 12.70 | 1.76 | 5.51 | 2.60 | 0.00 | 0.00 | 18.17 | 40.74 |
| | H25CA022 | 12.02 | 2.71 | 5.91 | 2.79 | 0.00 | 0.00 | 16.19 | 39.62 | 14.43 | 2.75 | 7.82 | 3.69 | 0.00 | 0.00 | 23.07 | 51.76 |
| | H25CA023 | 13.90 | 3.14 | 5.91 | 2.79 | 0.00 | 0.00 | 18.71 | 44.45 | 16.68 | 3.18 | 7.82 | 3.69 | 0.00 | 0.00 | 26.66 | 58.03 |
| | H25CA025 | 17.84 | 4.03 | 7.76 | 3.66 | 0.00 | 0.00 | 24.03 | 57.32 | 21.41 | 4.09 | 10.26 | 4.84 | 0.00 | 0.00 | 34.23 | 74.83 |
| | H25CA027 | 21.15 | 4.77 | 10.25 | 4.83 | 0.00 | 0.00 | 28.48 | 69.48 | 25.38 | 4.84 | 13.56 | 6.39 | 0.00 | 0.00 | 40.57 | 90.74 |
| | H25CA030 | 32.83 | 11.40 | 21.04 | 6.26 | 0.00 | 0.00 | 60.79 | 132.32 | 41.58 | 11.55 | 28.06 | 8.35 | 0.00 | 0.00 | 87.48 | 177.02 |
| | H25CA031 | 34.48 | 11.97 | 21.04 | 6.26 | 0.00 | 0.00 | 63.85 | 137.60 | 43.67 | 12.13 | 28.06 | 8.35 | 0.00 | 0.00 | 91.89 | 184.10 |
| | H25CA032 | 28.47 | 6.42 | 13.40 | 6.32 | 0.00 | 0.00 | 38.34 | 92.95 | 34.16 | 6.52 | 17.72 | 8.35 | 0.00 | 0.00 | 54.61 | 121.36 |
| | H25CA033 | 28.28 | 9.82 | 18.39 | 5.47 | 0.00 | 0.00 | 52.37 | 114.33 | 35.82 | 9.95 | 24.52 | 7.30 | 0.00 | 0.00 | 75.36 | 152.95 |
| | H25CA034 | 2.87 | 0.45 | 0.84 | 0.40 | 0.00 | 0.00 | 3.39 | 7.95 | 3.28 | 0.46 | 1.11 | 0.52 | 0.00 | 0.00 | 4.42 | 9.79 |
| | H25CA035 | 3.73 | 0.58 | 1.23 | 0.58 | 0.00 | 0.00 | 4.40 | 10.52 | 4.26 | 0.59 | 1.64 | 0.77 | 0.00 | 0.00 | 5.74 | 13.00 |
| | H25CA036 | 6.32 | 0.99 | 2.07 | 0.98 | 0.00 | 0.00 | 7.45 | 17.81 | 7.22 | 1.00 | 2.75 | 1.30 | 0.00 | 0.00 | 9.73 | 22.00 |
| | H25CA037 | 6.98 | 1.15 | 2.66 | 1.25 | 0.00 | 0.00 | 8.22 | 20.26 | 8.47 | 1.17 | 3.54 | 1.67 | 0.00 | 0.00 | 12.12 | 26.97 |
| | H25CA038 | 8.50 | 1.40 | 2.66 | 1.25 | 0.00 | 0.00 | 10.02 | 23.83 | 10.33 | 1.43 | 3.54 | 1.67 | 0.00 | 0.00 | 14.77 | 31.74 |
| | H25CA039 | 11.92 | 1.96 | 4.87 | 2.30 | 0.00 | 0.00 | 14.05 | 35.10 | 14.48 | 2.01 | 6.49 | 3.06 | 0.00 | 0.00 | 20.71 | 46.75 |
| | H25CA040 | 9.20 | 2.08 | 5.31 | 2.50 | 0.00 | 0.00 | 12.39 | 31.48 | 11.04 | 2.11 | 7.03 | 3.31 | 0.00 | 0.00 | 17.65 | 41.14 |
| | H25CA041 | 32.58 | 9.61 | 18.93 | 5.16 | 0.00 | 0.00 | 54.81 | 121.09 | 38.61 | 9.71 | 25.24 | 6.89 | 0.00 | 0.00 | 71.50 | 151.95 |
| | H25CA042 | 34.26 | 11.90 | 21.04 | 6.26 | 0.00 | 0.00 | 63.46 | 136.92 | 43.40 | 12.06 | 28.06 | 8.35 | 0.00 | 0.00 | 91.32 | 183.19 |
| | H25CA043 | 36.34 | 12.62 | 25.22 | 7.51 | 0.00 | 0.00 | 67.30 | 148.99 | 46.03 | 12.79 | 33.63 | 10.01 | 0.00 | 0.00 | 96.84 | 199.30 |
| | H25CA052 | 12.42 | 1.26 | 0.00 | 1.50 | 0.00 | 0.00 | 15.97 | 31.15 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***H25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | H25CA053 | 16.82 | 1.71 | 0.00 | 1.60 | 0.00 | 0.00 | 21.62 | 41.75 | | | | | | | | |
| | H25CA054 | 21.63 | 2.20 | 0.00 | 3.00 | 0.00 | 0.00 | 27.82 | 54.65 | | | | | | | | |
| | H25CA055 | 3.23 | 0.33 | 0.00 | 0.40 | 0.00 | 0.00 | 4.15 | 8.11 | | | | | | | | |
| | H25CA056 | 35.33 | 3.59 | 0.00 | 3.00 | 0.00 | 0.00 | 45.43 | 87.35 | | | | | | | | |
| | H25CA057 | 10.97 | 1.11 | 0.00 | 0.80 | 0.00 | 0.00 | 14.11 | 26.99 | | | | | | | | |
| | H25CA058 | 2.64 | 0.27 | 0.00 | 0.50 | 0.00 | 0.00 | 3.77 | 7.18 | | | | | | | | |
| | H25CA059 | 9.61 | 0.98 | 0.00 | 0.60 | 0.00 | 0.00 | 13.73 | 24.92 | | | | | | | | |
| | H25CA060 | 14.15 | 1.44 | 0.00 | 0.75 | 0.00 | 0.00 | 20.21 | 36.55 | | | | | | | | |
| | H25CA061 | 12.34 | 1.25 | 0.00 | 0.75 | 0.00 | 0.00 | 17.63 | 31.97 | | | | | | | | |
| | H25CA062 | 22.58 | 2.29 | 0.00 | 0.90 | 0.00 | 0.00 | 32.25 | 58.02 | | | | | | | | |
| | H25CA063 | 16.16 | 1.64 | 0.00 | 0.90 | 0.00 | 0.00 | 23.08 | 41.78 | | | | | | | | |
| | H25CA064 | 19.64 | 2.00 | 0.00 | 1.00 | 0.00 | 0.00 | 28.05 | 50.69 | | | | | | | | |
| | H25KC016 | 11.28 | 1.86 | 4.62 | 2.18 | 0.00 | 0.00 | 13.29 | 33.23 | 13.69 | 1.90 | 6.16 | 2.90 | 0.00 | 0.00 | 19.59 | 44.24 |
| | H25KC017 | 7.95 | 1.31 | 2.66 | 1.25 | 0.00 | 0.00 | 9.37 | 22.54 | 9.66 | 1.34 | 3.54 | 1.67 | 0.00 | 0.00 | 13.82 | 30.03 |
| | H25KC019 | 12.08 | 2.72 | 6.61 | 3.12 | 0.00 | 0.00 | 16.26 | 40.79 | 14.49 | 2.76 | 8.74 | 4.12 | 0.00 | 0.00 | 23.17 | 53.28 |
| | H25KC020 | 13.82 | 3.12 | 6.61 | 3.12 | 0.00 | 0.00 | 18.61 | 45.28 | 16.59 | 3.16 | 8.74 | 4.12 | 0.00 | 0.00 | 26.51 | 59.12 |
| | H25KC021 | 13.90 | 3.14 | 8.13 | 3.83 | 0.00 | 0.00 | 18.72 | 47.72 | 16.68 | 3.18 | 10.75 | 5.07 | 0.00 | 0.00 | 26.67 | 62.35 |
| | H25KC022 | 16.56 | 3.74 | 8.13 | 3.83 | 0.00 | 0.00 | 22.30 | 54.56 | 19.87 | 3.79 | 10.75 | 5.07 | 0.00 | 0.00 | 31.77 | 71.25 |
| | H25KC023 | 20.03 | 4.52 | 10.99 | 5.18 | 0.00 | 0.00 | 26.98 | 67.70 | 24.04 | 4.59 | 14.54 | 6.85 | 0.00 | 0.00 | 38.43 | 88.45 |
| | H25KC024 | 19.55 | 5.77 | 15.05 | 4.11 | 0.00 | 0.00 | 32.89 | 77.37 | 23.17 | 5.83 | 20.06 | 5.47 | 0.00 | 0.00 | 42.90 | 97.43 |
| | H25KC026 | 20.48 | 6.04 | 15.49 | 4.23 | 0.00 | 0.00 | 34.46 | 80.70 | 24.27 | 6.11 | 20.65 | 5.63 | 0.00 | 0.00 | 44.95 | 101.61 |
| | H25KM001 | 13.62 | 2.24 | 5.02 | 2.37 | 0.00 | 0.00 | 16.06 | 39.31 | 16.54 | 2.29 | 6.69 | 3.15 | 0.00 | 0.00 | 23.67 | 52.34 |
| | H25KM003 | 16.21 | 2.67 | 5.26 | 2.48 | 0.00 | 0.00 | 19.11 | 45.73 | 19.69 | 2.73 | 7.01 | 3.30 | 0.00 | 0.00 | 28.16 | 60.89 |
| | H25KM004 | 17.04 | 3.85 | 7.30 | 3.44 | 0.00 | 0.00 | 22.95 | 54.58 | 20.45 | 3.90 | 9.65 | 4.55 | 0.00 | 0.00 | 32.70 | 71.25 |
| | H25KM005 | 23.74 | 5.36 | 10.72 | 5.05 | 0.00 | 0.00 | 31.97 | 76.84 | 28.49 | 5.44 | 14.17 | 6.68 | 0.00 | 0.00 | 45.55 | 100.33 |
| | H25KM009 | 37.49 | 13.02 | 21.78 | 6.48 | 0.00 | 0.00 | 69.43 | 148.20 | 47.49 | 13.19 | 29.04 | 8.64 | 0.00 | 0.00 | 99.91 | 198.27 |
| | H25KM010 | 51.95 | 18.04 | 30.04 | 8.94 | 0.00 | 0.00 | 96.21 | 205.18 | 65.80 | 18.28 | 40.06 | 11.92 | 0.00 | 0.00 | 138.45 | 274.51 |
| | H25KM011 | 54.61 | 18.96 | 30.04 | 8.94 | 0.00 | 0.00 | 101.14 | 213.69 | 69.18 | 19.22 | 40.06 | 11.92 | 0.00 | 0.00 | 145.55 | 285.93 |
| | H25KM012 | 14.93 | 3.37 | 6.14 | 2.89 | 0.00 | 0.00 | 20.10 | 47.43 | 17.91 | 3.42 | 8.12 | 3.83 | 0.00 | 0.00 | 28.63 | 61.91 |
| | H25KM013 | 31.10 | 7.02 | 14.13 | 6.66 | 0.00 | 0.00 | 41.88 | 100.79 | 37.31 | 7.12 | 18.69 | 8.81 | 0.00 | 0.00 | 59.65 | 131.58 |
| | H25KM015 | 34.56 | 10.20 | 18.88 | 5.15 | 0.00 | 0.00 | 58.15 | 126.94 | 40.96 | 10.30 | 25.18 | 6.87 | 0.00 | 0.00 | 75.85 | 159.16 |
| | H25KM016 | 1.84 | 0.29 | 0.39 | 0.18 | 0.00 | 0.00 | 2.16 | 4.86 | 2.10 | 0.29 | 0.52 | 0.25 | 0.00 | 0.00 | 2.82 | 5.98 |
| | H25KM017 | 2.48 | 0.39 | 0.74 | 0.35 | 0.00 | 0.00 | 2.92 | 6.88 | 2.83 | 0.39 | 0.98 | 0.46 | 0.00 | 0.00 | 3.81 | 8.47 |
| | H25KM018 | 3.00 | 0.47 | 0.89 | 0.42 | 0.00 | 0.00 | 3.54 | 8.32 | 3.43 | 0.48 | 1.18 | 0.56 | 0.00 | 0.00 | 4.62 | 10.27 |
| | H25KM019 | 3.22 | 0.50 | 1.28 | 0.60 | 0.00 | 0.00 | 3.80 | 9.40 | 3.68 | 0.51 | 1.70 | 0.80 | 0.00 | 0.00 | 4.96 | 11.65 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***H25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | H25KM020 | 3.61 | 0.56 | 1.38 | 0.65 | 0.00 | 0.00 | 4.26 | 10.46 | 4.13 | 0.57 | 1.84 | 0.87 | 0.00 | 0.00 | 5.56 | 12.97 |
| | H25KM021 | 4.48 | 0.70 | 1.82 | 0.86 | 0.00 | 0.00 | 5.28 | 13.14 | 5.12 | 0.71 | 2.43 | 1.15 | 0.00 | 0.00 | 6.90 | 16.31 |
| | H25KM022 | 5.98 | 0.93 | 1.97 | 0.93 | 0.00 | 0.00 | 7.05 | 16.86 | 6.83 | 0.95 | 2.62 | 1.23 | 0.00 | 0.00 | 9.20 | 20.83 |
| | H25KM023 | 6.93 | 1.08 | 2.70 | 1.27 | 0.00 | 0.00 | 8.17 | 20.15 | 7.92 | 1.10 | 3.61 | 1.70 | 0.00 | 0.00 | 10.67 | 25.00 |
| | H25KM024 | 7.82 | 1.22 | 3.34 | 1.57 | 0.00 | 0.00 | 9.22 | 23.17 | 8.94 | 1.24 | 4.46 | 2.10 | 0.00 | 0.00 | 12.04 | 28.78 |
| | H25KM025 | 10.36 | 1.62 | 3.98 | 1.88 | 0.00 | 0.00 | 12.22 | 30.06 | 11.85 | 1.64 | 5.31 | 2.50 | 0.00 | 0.00 | 15.95 | 37.25 |
| | H25KM026 | 12.55 | 1.96 | 4.23 | 1.99 | 0.00 | 0.00 | 14.79 | 35.52 | 14.34 | 1.99 | 5.64 | 2.66 | 0.00 | 0.00 | 19.31 | 43.94 |
| | H25KM027 | 15.18 | 2.50 | 4.23 | 1.99 | 0.00 | 0.00 | 17.89 | 41.79 | 18.43 | 2.56 | 5.64 | 2.66 | 0.00 | 0.00 | 26.37 | 55.66 |
| | H25KM028 | 12.46 | 2.05 | 5.26 | 2.48 | 0.00 | 0.00 | 14.69 | 36.94 | 15.13 | 2.10 | 7.01 | 3.30 | 0.00 | 0.00 | 21.65 | 49.19 |
| | H25KM033 | 71.02 | 24.66 | 44.65 | 13.29 | 0.00 | 0.00 | 131.53 | 285.15 | 89.96 | 24.99 | 59.53 | 17.72 | 0.00 | 0.00 | 189.27 | 381.47 |
| | H25KN001 | 4.17 | 0.42 | 0.00 | 0.50 | 0.00 | 0.00 | 5.95 | 11.04 | | | | | | | | |
| | H25KN002 | 5.76 | 0.58 | 0.00 | 0.50 | 0.00 | 0.00 | 8.22 | 15.06 | | | | | | | | |
| | H25KN003 | 7.03 | 0.71 | 0.00 | 0.50 | 0.00 | 0.00 | 10.04 | 18.28 | | | | | | | | |
| | H25KN004 | 9.13 | 0.93 | 0.00 | 0.50 | 0.00 | 0.00 | 13.04 | 23.60 | | | | | | | | |
| | H25KN005 | 11.48 | 1.17 | 0.00 | 1.00 | 0.00 | 0.00 | 16.39 | 30.04 | | | | | | | | |
| | H25KN006 | 16.27 | 1.65 | 0.00 | 1.00 | 0.00 | 0.00 | 23.24 | 42.16 | | | | | | | | |
| | H25KN007 | 0.58 | 0.06 | 0.00 | 0.15 | 0.00 | 0.00 | 0.83 | 1.62 | | | | | | | | |
| | H25KN009 | 1.18 | 0.12 | 0.00 | 0.15 | 0.00 | 0.00 | 1.68 | 3.13 | | | | | | | | |
| | H25KN010 | 1.75 | 0.18 | 0.00 | 0.15 | 0.00 | 0.00 | 2.50 | 4.58 | | | | | | | | |
| | H25LI001 | 8.08 | 1.33 | 2.66 | 1.25 | 0.00 | 0.00 | 9.52 | 22.84 | 9.81 | 1.36 | 3.54 | 1.67 | 0.00 | 0.00 | 14.04 | 30.42 |
| | H25LI002 | 11.11 | 1.83 | 4.18 | 1.97 | 0.00 | 0.00 | 13.10 | 32.19 | 13.49 | 1.87 | 5.57 | 2.63 | 0.00 | 0.00 | 19.30 | 42.86 |
| | H25LI003 | 10.75 | 1.77 | 4.38 | 2.06 | 0.00 | 0.00 | 12.67 | 31.63 | 13.05 | 1.81 | 5.83 | 2.75 | 0.00 | 0.00 | 18.67 | 42.11 |
| | H25LI004 | 13.07 | 2.15 | 4.92 | 2.32 | 0.00 | 0.00 | 15.41 | 37.87 | 15.87 | 2.20 | 6.56 | 3.09 | 0.00 | 0.00 | 22.71 | 50.43 |
| | H25LI005 | 12.57 | 2.07 | 4.97 | 2.34 | 0.00 | 0.00 | 14.82 | 36.77 | 15.26 | 2.12 | 6.62 | 3.12 | 0.00 | 0.00 | 21.84 | 48.96 |
| | H25LI006 | 11.11 | 2.51 | 5.91 | 2.79 | 0.00 | 0.00 | 14.96 | 37.28 | 13.33 | 2.54 | 7.82 | 3.69 | 0.00 | 0.00 | 21.31 | 48.69 |
| | H25LI007 | 14.19 | 3.20 | 7.07 | 3.33 | 0.00 | 0.00 | 19.10 | 46.89 | 17.02 | 3.25 | 9.35 | 4.41 | 0.00 | 0.00 | 27.21 | 61.24 |
| | H25LI008 | 15.58 | 3.52 | 8.22 | 3.87 | 0.00 | 0.00 | 20.98 | 52.17 | 18.70 | 3.57 | 10.87 | 5.12 | 0.00 | 0.00 | 29.89 | 68.15 |
| | H25LI009 | 17.70 | 3.99 | 11.09 | 5.23 | 0.00 | 0.00 | 23.84 | 61.85 | 21.24 | 4.05 | 14.66 | 6.91 | 0.00 | 0.00 | 33.96 | 80.82 |
| | H25LI010 | 26.22 | 5.92 | 13.86 | 6.53 | 0.00 | 0.00 | 35.31 | 87.84 | 31.46 | 6.00 | 18.33 | 8.64 | 0.00 | 0.00 | 50.30 | 114.73 |
| | H25LI011 | 28.78 | 9.99 | 21.54 | 6.41 | 0.00 | 0.00 | 53.30 | 120.02 | 36.45 | 10.13 | 28.72 | 8.55 | 0.00 | 0.00 | 76.70 | 160.55 |
| | H25LU001 | 2.69 | 0.27 | 0.00 | 0.40 | 0.00 | 0.00 | 3.46 | 6.82 | | | | | | | | |
| | H25LU002 | 3.64 | 0.37 | 0.00 | 0.50 | 0.00 | 0.00 | 4.68 | 9.19 | | | | | | | | |
| | H25LU003 | 5.68 | 0.58 | 0.00 | 0.80 | 0.00 | 0.00 | 7.30 | 14.36 | | | | | | | | |
| | H25LU004 | 7.28 | 0.74 | 0.00 | 0.90 | 0.00 | 0.00 | 9.36 | 18.28 | | | | | | | | |
| | H25LU005 | 8.27 | 0.84 | 0.00 | 1.10 | 0.00 | 0.00 | 10.64 | 20.85 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***H25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | H25LU006 | 12.27 | 1.25 | 0.00 | 1.50 | 0.00 | 0.00 | 15.78 | 30.80 | | | | | | | | |
| | H25LU007 | 9.88 | 1.00 | 0.00 | 1.40 | 0.00 | 0.00 | 12.70 | 24.98 | | | | | | | | |
| | H25LU008 | 13.60 | 1.38 | 0.00 | 1.60 | 0.00 | 0.00 | 17.48 | 34.06 | | | | | | | | |
| | H25LU009 | 14.17 | 1.44 | 0.00 | 1.70 | 0.00 | 0.00 | 18.22 | 35.53 | | | | | | | | |
| | H25LU010 | 17.69 | 1.80 | 0.00 | 2.00 | 0.00 | 0.00 | 22.75 | 44.24 | | | | | | | | |
| | H25LU011 | 16.01 | 1.63 | 0.00 | 2.00 | 0.00 | 0.00 | 20.59 | 40.23 | | | | | | | | |
| | H25LU012 | 21.32 | 2.17 | 0.00 | 2.50 | 0.00 | 0.00 | 27.41 | 53.40 | | | | | | | | |
| | H25LU013 | 21.34 | 2.17 | 0.00 | 2.60 | 0.00 | 0.00 | 27.45 | 53.56 | | | | | | | | |
| | H25LU014 | 25.51 | 2.59 | 0.00 | 3.00 | 0.00 | 0.00 | 32.81 | 63.91 | | | | | | | | |
| | H25LU015 | 23.23 | 2.36 | 0.00 | 3.00 | 0.00 | 0.00 | 29.87 | 58.46 | | | | | | | | |
| | H25LU016 | 28.45 | 2.89 | 0.00 | 3.60 | 0.00 | 0.00 | 36.59 | 71.53 | | | | | | | | |
| | H25LU023 | 1.41 | 0.16 | 0.00 | 0.25 | 0.00 | 0.00 | 1.72 | 3.54 | | | | | | | | |
| | H25LU024 | 2.06 | 0.23 | 0.00 | 0.30 | 0.00 | 0.00 | 2.51 | 5.10 | | | | | | | | |
| | H25LU025 | 2.55 | 0.28 | 0.00 | 0.40 | 0.00 | 0.00 | 3.09 | 6.32 | | | | | | | | |
| | H25LU026 | 2.90 | 0.32 | 0.00 | 0.50 | 0.00 | 0.00 | 3.53 | 7.25 | | | | | | | | |
| | H25LU027 | 3.25 | 0.36 | 0.00 | 0.60 | 0.00 | 0.00 | 3.95 | 8.16 | | | | | | | | |
| | H25LU028 | 4.18 | 0.46 | 0.00 | 0.70 | 0.00 | 0.00 | 5.08 | 10.42 | | | | | | | | |
| | H25LU029 | 3.34 | 0.37 | 0.00 | 0.40 | 0.00 | 0.00 | 4.06 | 8.17 | | | | | | | | |
| | H25LU030 | 5.17 | 0.57 | 0.00 | 0.60 | 0.00 | 0.00 | 6.28 | 12.62 | | | | | | | | |
| | H25LU031 | 8.50 | 0.94 | 0.00 | 1.20 | 0.00 | 0.00 | 10.33 | 20.97 | | | | | | | | |
| | H25LU032 | 10.16 | 1.13 | 0.00 | 1.40 | 0.00 | 0.00 | 12.35 | 25.04 | | | | | | | | |
| | H25LU033 | 4.64 | 0.51 | 0.00 | 0.60 | 0.00 | 0.00 | 5.63 | 11.38 | | | | | | | | |
| | H25LU034 | 6.23 | 0.69 | 0.00 | 0.80 | 0.00 | 0.00 | 7.57 | 15.29 | | | | | | | | |
| | H25LU035 | 6.60 | 0.73 | 0.00 | 0.90 | 0.00 | 0.00 | 8.02 | 16.25 | | | | | | | | |
| | H25LU036 | 6.96 | 0.77 | 0.00 | 1.00 | 0.00 | 0.00 | 8.46 | 17.19 | | | | | | | | |
| | H25LU040 | 14.12 | 1.43 | 0.00 | 0.75 | 0.00 | 0.00 | 20.16 | 36.46 | | | | | | | | |
| | H25LU041 | 17.60 | 1.79 | 0.00 | 0.75 | 0.00 | 0.00 | 25.14 | 45.28 | | | | | | | | |
| | H25LU042 | 20.92 | 2.12 | 0.00 | 1.50 | 0.00 | 0.00 | 29.87 | 54.41 | | | | | | | | |
| | H25LU045 | 3.03 | 0.31 | 0.00 | 0.50 | 0.00 | 0.00 | 4.33 | 8.17 | | | | | | | | |
| | H25LU046 | 3.28 | 0.33 | 0.00 | 0.50 | 0.00 | 0.00 | 4.68 | 8.79 | | | | | | | | |
| | H25LU047 | 3.77 | 0.38 | 0.00 | 0.60 | 0.00 | 0.00 | 5.39 | 10.14 | | | | | | | | |
| | H25LU048 | 4.27 | 0.43 | 0.00 | 0.70 | 0.00 | 0.00 | 6.10 | 11.50 | | | | | | | | |
| | H25LU049 | 5.18 | 0.53 | 0.00 | 0.80 | 0.00 | 0.00 | 7.40 | 13.91 | | | | | | | | |
| | H25LU050 | 6.32 | 0.64 | 0.00 | 0.90 | 0.00 | 0.00 | 9.03 | 16.89 | | | | | | | | |
| | H25LU053 | 14.45 | 1.47 | 0.00 | 0.75 | 0.00 | 0.00 | 20.64 | 37.31 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***H25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | H25LU054 | 17.78 | 1.81 | 0.00 | 0.75 | 0.00 | 0.00 | 25.39 | 45.73 | | | | | | | | |
| | H25ME001 | 2.30 | 0.36 | 0.74 | 0.35 | 0.00 | 0.00 | 2.71 | 6.46 | 2.63 | 0.36 | 0.98 | 0.46 | 0.00 | 0.00 | 3.54 | 7.97 |
| | H25ME002 | 3.42 | 0.53 | 1.97 | 0.93 | 0.00 | 0.00 | 4.03 | 10.88 | 3.91 | 0.54 | 2.62 | 1.23 | 0.00 | 0.00 | 5.26 | 13.56 |
| | H25ME003 | 4.87 | 0.76 | 2.61 | 1.23 | 0.00 | 0.00 | 5.74 | 15.21 | 5.56 | 0.77 | 3.47 | 1.64 | 0.00 | 0.00 | 7.49 | 18.93 |
| | H25WN001 | 1.51 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.84 | 3.52 | | | | | | | | |
| **H30** | | | | | | | | | | | | | | | | | |
| | H30CA005 | 13.04 | 2.56 | 6.05 | 2.70 | 0.84 | 0.15 | 13.25 | 38.59 | 16.29 | 2.61 | 7.81 | 3.49 | 1.08 | 0.19 | 17.96 | 49.43 |
| | H30CA006 | 12.71 | 2.05 | 5.22 | 2.33 | 0.78 | 0.14 | 10.79 | 34.02 | 15.65 | 2.10 | 6.73 | 3.00 | 1.00 | 0.18 | 14.60 | 43.26 |
| | H30CA007 | 14.65 | 2.35 | 5.27 | 2.35 | 0.78 | 0.14 | 12.42 | 37.96 | 18.03 | 2.41 | 6.79 | 3.03 | 1.00 | 0.18 | 16.81 | 48.25 |
| | H30CA008 | 15.04 | 2.95 | 6.00 | 2.68 | 1.80 | 0.32 | 15.29 | 44.08 | 18.80 | 3.02 | 7.75 | 3.46 | 2.30 | 0.40 | 20.73 | 56.46 |
| | H30GA003 | 15.24 | 2.42 | 9.97 | 4.45 | 0.51 | 0.09 | 12.88 | 45.56 | 18.75 | 2.49 | 12.62 | 5.63 | 0.62 | 0.11 | 17.44 | 57.66 |
| | H30GA006 | 25.42 | 4.04 | 8.30 | 3.70 | 0.81 | 0.14 | 21.49 | 63.90 | 31.29 | 4.14 | 10.47 | 4.67 | 1.01 | 0.18 | 29.09 | 80.85 |
| | H30GA008 | 23.69 | 4.64 | 9.93 | 4.43 | 2.40 | 0.42 | 24.07 | 69.58 | 29.62 | 4.74 | 12.51 | 5.59 | 2.98 | 0.52 | 32.63 | 88.59 |
| | H30KM001 | 15.81 | 3.06 | 5.68 | 2.54 | 0.57 | 0.10 | 16.02 | 43.78 | 19.76 | 3.13 | 7.33 | 3.27 | 0.73 | 0.13 | 21.72 | 56.07 |
| **H35** | | | | | | | | | | | | | | | | | |
| | H35CA001 | 47.75 | 12.77 | 20.85 | 6.21 | 0.00 | 0.00 | 90.43 | 178.01 | 54.57 | 12.89 | 27.80 | 8.27 | 0.00 | 0.00 | 111.95 | 215.48 |
| | H35HI002 | 94.03 | 25.15 | 49.17 | 14.64 | 0.00 | 0.00 | 178.07 | 361.06 | 107.47 | 25.38 | 65.56 | 19.51 | 0.00 | 0.00 | 220.44 | 438.36 |
| | H35HI003 | 193.13 | 51.64 | 80.34 | 23.91 | 0.00 | 0.00 | 365.74 | 714.76 | 220.72 | 52.13 | 107.13 | 31.89 | 0.00 | 0.00 | 452.75 | 864.62 |
| | H35HI004 | 48.07 | 12.85 | 21.34 | 6.35 | 0.00 | 0.00 | 91.03 | 179.64 | 54.94 | 12.97 | 28.45 | 8.47 | 0.00 | 0.00 | 112.69 | 217.52 |
| | H35HI005 | 54.47 | 14.57 | 27.04 | 8.05 | 0.00 | 0.00 | 103.16 | 207.29 | 62.26 | 14.70 | 36.06 | 10.73 | 0.00 | 0.00 | 127.70 | 251.45 |
| | H35HI006 | 55.07 | 14.73 | 31.52 | 9.38 | 0.00 | 0.00 | 104.28 | 214.98 | 62.93 | 14.86 | 42.02 | 12.51 | 0.00 | 0.00 | 129.09 | 261.41 |
| | H35OK001 | 47.98 | 12.83 | 24.39 | 7.26 | 0.00 | 0.00 | 90.86 | 183.32 | 54.83 | 12.95 | 32.52 | 9.68 | 0.00 | 0.00 | 112.48 | 222.46 |
| | H35OK003 | 89.19 | 23.85 | 42.09 | 12.53 | 0.00 | 0.00 | 168.91 | 336.57 | 101.94 | 24.07 | 56.12 | 16.70 | 0.00 | 0.00 | 209.10 | 407.93 |
| | H35OK004 | 123.36 | 32.99 | 56.55 | 16.83 | 0.00 | 0.00 | 233.61 | 463.34 | 140.98 | 33.30 | 75.39 | 22.44 | 0.00 | 0.00 | 289.19 | 561.30 |
| | H35OK005 | 262.55 | 70.21 | 101.29 | 30.15 | 0.00 | 0.00 | 497.21 | 961.41 | 300.06 | 70.87 | 135.05 | 40.20 | 0.00 | 0.00 | 615.50 | 1,161.68 |
| **L10** | | | | | | | | | | | | | | | | | |
| | L10BS002 | 2.01 | 0.35 | 0.00 | 0.30 | 0.00 | 0.00 | 2.73 | 5.39 | 2.87 | 0.36 | 0.00 | 0.30 | 0.00 | 0.00 | 4.33 | 7.86 |
| | L10BS004 | 0.69 | 0.12 | 0.00 | 0.25 | 0.00 | 0.00 | 0.94 | 2.00 | 0.99 | 0.13 | 0.00 | 0.25 | 0.00 | 0.00 | 1.49 | 2.86 |
| | L10BS005 | 1.83 | 0.32 | 0.00 | 0.30 | 0.00 | 0.00 | 2.49 | 4.94 | 2.62 | 0.33 | 0.00 | 0.30 | 0.00 | 0.00 | 3.95 | 7.20 |
| | L10BS006 | 2.88 | 0.50 | 0.00 | 0.40 | 0.00 | 0.00 | 3.91 | 7.69 | 4.12 | 0.52 | 0.00 | 0.40 | 0.00 | 0.00 | 6.21 | 11.25 |
| | L10BS007 | 2.59 | 0.45 | 0.00 | 0.50 | 0.00 | 0.00 | 3.51 | 7.05 | 3.69 | 0.47 | 0.00 | 0.50 | 0.00 | 0.00 | 5.57 | 10.23 |
| | L10BU005 | 0.57 | 0.10 | 0.00 | 1.10 | 0.00 | 0.00 | 0.77 | 2.54 | 0.81 | 0.10 | 0.00 | 1.10 | 0.00 | 0.00 | 1.22 | 3.23 |
| | L10BU009 | 0.35 | 0.06 | 0.00 | 0.90 | 0.00 | 0.00 | 0.47 | 1.78 | 0.50 | 0.06 | 0.00 | 0.90 | 0.00 | 0.00 | 0.75 | 2.21 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***L10*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | L10BU010 | 0.46 | 0.08 | 0.00 | 0.80 | 0.00 | 0.00 | 0.62 | 1.96 | 0.65 | 0.08 | 0.00 | 0.80 | 0.00 | 0.00 | 0.98 | 2.51 |
| | L10BU011 | 0.93 | 0.16 | 0.00 | 1.50 | 0.00 | 0.00 | 1.26 | 3.85 | 1.33 | 0.17 | 0.00 | 1.50 | 0.00 | 0.00 | 2.00 | 5.00 |
| | L10BU012 | 1.18 | 0.20 | 0.00 | 2.00 | 0.00 | 0.00 | 1.60 | 4.98 | 1.68 | 0.21 | 0.00 | 2.00 | 0.00 | 0.00 | 2.54 | 6.43 |
| | L10BU013 | 1.43 | 0.25 | 0.00 | 2.50 | 0.00 | 0.00 | 1.94 | 6.12 | 2.04 | 0.26 | 0.00 | 2.50 | 0.00 | 0.00 | 3.08 | 7.88 |
| | L10VE002 | 0.97 | 0.17 | 3.37 | 1.25 | 0.05 | 0.01 | 1.32 | 7.14 | 1.39 | 0.18 | 4.38 | 1.63 | 0.06 | 0.01 | 2.10 | 9.75 |
| | L10VE005 | 0.69 | 0.12 | 1.29 | 0.48 | 0.04 | 0.01 | 0.95 | 3.58 | 0.99 | 0.13 | 1.67 | 0.62 | 0.05 | 0.01 | 1.50 | 4.97 |
| | L10VE006 | 1.71 | 0.30 | 1.29 | 0.48 | 0.04 | 0.01 | 2.33 | 6.16 | 2.45 | 0.31 | 1.67 | 0.62 | 0.05 | 0.01 | 3.70 | 8.81 |
| | L10VE007 | 1.65 | 0.29 | 0.00 | 1.50 | 0.00 | 0.00 | 2.24 | 5.68 | 2.36 | 0.30 | 0.00 | 1.50 | 0.00 | 0.00 | 3.56 | 7.72 |
| | L10VE009 | 1.96 | 0.34 | 6.44 | 2.40 | 0.04 | 0.01 | 2.67 | 13.86 | 2.81 | 0.36 | 8.37 | 3.11 | 0.05 | 0.01 | 4.24 | 18.95 |
| | L10VE010 | 0.96 | 0.17 | 2.48 | 0.92 | 0.03 | 0.01 | 1.31 | 5.88 | 1.37 | 0.18 | 3.22 | 1.20 | 0.03 | 0.01 | 2.07 | 8.08 |
| **L15** | | | | | | | | | | | | | | | | | |
| | L15BW001 | 2.65 | 0.20 | 3.30 | 0.98 | 0.04 | 0.01 | 2.66 | 9.84 | | | | | | | | |
| | L15BW002 | 3.78 | 0.28 | 4.62 | 1.38 | 0.08 | 0.01 | 3.80 | 13.95 | | | | | | | | |
| | L15BW003 | 4.49 | 0.34 | 4.62 | 1.38 | 0.08 | 0.01 | 4.50 | 15.42 | | | | | | | | |
| | L15BW004 | 7.58 | 0.56 | 5.50 | 1.64 | 0.00 | 0.00 | 7.58 | 22.86 | | | | | | | | |
| | L15FG001 | 9.87 | 0.72 | 9.89 | 2.94 | 0.00 | 0.00 | 9.87 | 33.29 | | | | | | | | |
| | L15JD001 | 2.08 | 0.17 | 2.64 | 0.79 | 0.19 | 0.03 | 2.11 | 8.01 | | | | | | | | |
| | L15JD002 | 2.91 | 0.23 | 2.90 | 0.86 | 0.20 | 0.04 | 2.94 | 10.08 | | | | | | | | |
| | L15JD003 | 4.52 | 0.35 | 1.71 | 0.51 | 0.23 | 0.04 | 4.55 | 11.91 | | | | | | | | |
| | L15JD004 | 3.69 | 0.29 | 1.34 | 0.40 | 0.20 | 0.04 | 3.72 | 9.68 | | | | | | | | |
| | L15TO001 | 0.19 | 0.01 | 0.79 | 0.24 | 0.00 | 0.00 | 0.19 | 1.42 | | | | | | | | |
| | L15TO002 | 0.46 | 0.04 | 1.06 | 0.32 | 0.05 | 0.01 | 0.47 | 2.41 | | | | | | | | |
| | L15TO003 | 0.95 | 0.07 | 2.24 | 0.67 | 0.05 | 0.01 | 0.96 | 4.95 | | | | | | | | |
| | L15TO004 | 1.00 | 0.08 | 2.24 | 0.67 | 0.04 | 0.01 | 1.01 | 5.05 | | | | | | | | |
| | L15TO005 | 4.18 | 0.31 | 1.41 | 0.42 | 0.09 | 0.02 | 4.19 | 10.62 | | | | | | | | |
| | L15TO006 | 3.39 | 0.26 | 3.04 | 0.90 | 0.09 | 0.02 | 3.41 | 11.11 | | | | | | | | |
| | L15TO007 | 3.75 | 0.28 | 5.94 | 1.77 | 0.09 | 0.02 | 3.76 | 15.61 | | | | | | | | |
| | L15TO008 | 4.74 | 0.35 | 1.53 | 0.46 | 0.09 | 0.02 | 4.75 | 11.94 | | | | | | | | |
| | L15WI001 | 1.25 | 0.09 | 0.00 | 0.05 | 0.03 | 0.01 | 1.25 | 2.68 | | | | | | | | |
| **L25** | | | | | | | | | | | | | | | | | |
| | L25MB002 | 0.33 | 0.05 | 0.70 | 1.21 | 0.00 | 0.00 | 0.60 | 2.89 | | | | | | | | |
| | L25MB003 | 1.10 | 0.16 | 1.40 | 1.67 | 0.00 | 0.00 | 2.00 | 6.33 | | | | | | | | |
| | L25MB004 | 10.07 | 1.45 | 26.65 | 9.43 | 0.34 | 0.06 | 18.39 | 66.39 | | | | | | | | |
| | L25MB005 | 0.47 | 0.07 | 1.40 | 1.42 | 0.00 | 0.00 | 0.86 | 4.22 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *L25* | *cont.* | | | | | | | | | | | | | | | | |
| | L25MB006 | 7.99 | 1.14 | 8.42 | 3.76 | 0.00 | 0.00 | 14.55 | 35.86 | | | | | | | | |
| | L25MB007 | 3.63 | 0.52 | 3.23 | 1.96 | 0.00 | 0.00 | 6.61 | 15.95 | | | | | | | | |
| | L25MB008 | 18.57 | 2.72 | 26.65 | 9.43 | 1.50 | 0.26 | 34.04 | 93.17 | | | | | | | | |
| L30 | | | | | | | | | | | | | | | | | |
| | L30HW015 | 9.47 | 1.68 | 1.32 | 0.74 | 0.43 | 0.08 | 14.44 | 28.16 | 11.84 | 1.72 | 1.72 | 0.96 | 0.51 | 0.09 | 19.86 | 36.70 |
| | L30KL003 | 0.90 | 0.16 | 0.15 | 0.05 | 0.00 | 0.00 | 1.37 | 2.63 | 1.13 | 0.16 | 0.20 | 0.07 | 0.00 | 0.00 | 1.88 | 3.44 |
| | L30KL013 | 0.13 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.35 | 0.17 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.47 |
| | L30KL018 | 0.10 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.28 | 0.13 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.37 |
| | L30MO001 | 2.94 | 0.52 | 3.22 | 1.12 | 0.14 | 0.02 | 4.48 | 12.44 | 3.67 | 0.54 | 4.21 | 1.46 | 0.14 | 0.02 | 6.16 | 16.20 |
| | L30MO002 | 3.07 | 0.55 | 3.22 | 1.12 | 0.14 | 0.02 | 4.69 | 12.81 | 3.84 | 0.56 | 4.21 | 1.46 | 0.14 | 0.02 | 6.45 | 16.68 |
| | L30RA001 | 4.13 | 0.73 | 1.23 | 0.43 | 0.16 | 0.03 | 6.29 | 13.00 | 5.16 | 0.75 | 1.64 | 0.57 | 0.17 | 0.03 | 8.65 | 16.97 |
| | L30TS001 | 2.84 | 0.52 | 0.53 | 0.30 | 0.30 | 0.05 | 4.35 | 8.89 | 3.55 | 0.53 | 0.69 | 0.39 | 0.38 | 0.07 | 5.99 | 11.60 |
| L35 | | | | | | | | | | | | | | | | | |
| | L35CA005 | 13.96 | 2.42 | 6.49 | 3.06 | 0.00 | 0.00 | 23.15 | 49.08 | 17.45 | 2.48 | 8.47 | 3.99 | 0.00 | 0.00 | 32.89 | 65.28 |
| | L35CA007 | 27.09 | 4.70 | 11.16 | 5.26 | 0.00 | 0.00 | 44.94 | 93.15 | 33.86 | 4.82 | 14.57 | 6.87 | 0.00 | 0.00 | 63.83 | 123.95 |
| | L35CA011 | 6.39 | 1.11 | 3.75 | 1.77 | 0.00 | 0.00 | 10.60 | 23.62 | 7.99 | 1.14 | 4.90 | 2.31 | 0.00 | 0.00 | 15.05 | 31.39 |
| | L35CA012 | 7.70 | 1.34 | 3.75 | 1.77 | 0.00 | 0.00 | 12.78 | 27.34 | 9.63 | 1.37 | 4.90 | 2.31 | 0.00 | 0.00 | 18.15 | 36.36 |
| | L35CA013 | 7.99 | 1.38 | 4.83 | 2.28 | 0.00 | 0.00 | 13.25 | 29.73 | 9.98 | 1.42 | 6.30 | 2.97 | 0.00 | 0.00 | 18.82 | 39.49 |
| | L35CA014 | 17.87 | 3.10 | 8.58 | 4.04 | 0.00 | 0.00 | 29.64 | 63.23 | 22.34 | 3.18 | 11.20 | 5.28 | 0.00 | 0.00 | 42.11 | 84.11 |
| | L35KM006 | 30.16 | 5.23 | 10.73 | 5.06 | 0.00 | 0.00 | 50.03 | 101.21 | 37.70 | 5.36 | 14.01 | 6.60 | 0.00 | 0.00 | 71.07 | 134.74 |
| L40 | | | | | | | | | | | | | | | | | |
| | L40CA007 | 22.68 | 5.38 | 14.75 | 5.49 | 7.88 | 1.38 | 24.12 | 81.68 | 25.52 | 5.43 | 19.67 | 7.32 | 15.05 | 2.64 | 29.09 | 104.72 |
| | L40CA008 | 32.91 | 7.86 | 21.14 | 7.87 | 8.83 | 1.55 | 35.05 | 115.21 | 37.02 | 7.93 | 28.19 | 10.49 | 16.85 | 2.96 | 42.28 | 145.72 |
| | L40CA009 | 76.53 | 18.23 | 39.34 | 14.64 | 12.07 | 2.12 | 81.46 | 244.39 | 86.10 | 18.40 | 52.45 | 19.51 | 23.05 | 4.05 | 98.26 | 301.82 |
| | L40CA012 | 10.37 | 2.02 | 6.15 | 3.20 | 1.46 | 0.26 | 14.24 | 37.70 | 11.21 | 2.04 | 8.20 | 4.27 | 2.79 | 0.49 | 16.32 | 45.32 |
| | L40CA013 | 7.73 | 1.51 | 4.43 | 2.31 | 1.33 | 0.23 | 10.63 | 28.17 | 8.36 | 1.52 | 5.90 | 3.07 | 2.55 | 0.45 | 12.18 | 34.03 |
| | L40CA014 | 17.87 | 3.46 | 9.83 | 5.12 | 1.82 | 0.32 | 24.52 | 62.94 | 19.32 | 3.49 | 13.11 | 6.83 | 3.47 | 0.61 | 28.09 | 74.92 |
| | L40CA015 | 10.13 | 1.84 | 6.15 | 3.20 | 1.46 | 0.26 | 11.47 | 34.51 | 10.71 | 1.85 | 8.20 | 4.27 | 2.79 | 0.49 | 13.86 | 42.17 |
| | L40CA018 | 54.77 | 13.13 | 30.73 | 11.43 | 9.93 | 1.74 | 58.37 | 180.10 | 61.62 | 13.25 | 40.98 | 15.25 | 18.96 | 3.33 | 70.42 | 223.81 |
| | L40CA019 | 7.32 | 1.34 | 4.38 | 2.28 | 1.33 | 0.23 | 8.30 | 25.18 | 7.74 | 1.35 | 5.83 | 3.04 | 2.55 | 0.45 | 10.03 | 30.99 |
| | L40CA022 | 8.46 | 1.55 | 5.51 | 2.87 | 1.46 | 0.26 | 9.59 | 29.70 | 8.94 | 1.56 | 7.34 | 3.82 | 2.79 | 0.49 | 11.59 | 36.53 |
| | L40CA023 | 12.24 | 2.27 | 7.87 | 4.10 | 3.11 | 0.55 | 13.92 | 44.06 | 12.94 | 2.28 | 10.49 | 5.46 | 5.94 | 1.04 | 16.82 | 54.97 |
| | L40CA024 | 16.05 | 2.98 | 8.85 | 4.61 | 4.39 | 0.77 | 18.26 | 55.91 | 16.97 | 3.00 | 11.80 | 6.15 | 8.38 | 1.47 | 22.08 | 69.85 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***L40*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | L40CA025 | 16.73 | 3.10 | 9.83 | 5.12 | 4.39 | 0.77 | 19.03 | 58.97 | 17.68 | 3.12 | 13.11 | 6.83 | 8.38 | 1.47 | 23.00 | 73.59 |
| | L40CA026 | 16.43 | 3.90 | 11.46 | 4.26 | 6.07 | 1.07 | 17.47 | 60.66 | 18.48 | 3.94 | 15.28 | 5.69 | 11.60 | 2.04 | 21.08 | 78.11 |
| | L40CA027 | 18.26 | 4.30 | 13.03 | 4.85 | 5.07 | 0.89 | 19.39 | 65.79 | 20.55 | 4.34 | 17.37 | 6.46 | 9.67 | 1.70 | 23.39 | 83.48 |
| | L40CA028 | 2.26 | 0.33 | 2.63 | 1.37 | 0.27 | 0.05 | 2.75 | 9.66 | | | | | | | | |
| | L40CA029 | 2.37 | 0.35 | 2.90 | 1.51 | 0.27 | 0.05 | 2.88 | 10.33 | | | | | | | | |
| | L40CA030 | 2.85 | 0.42 | 3.16 | 1.65 | 0.38 | 0.07 | 3.46 | 11.99 | | | | | | | | |
| | L40CA031 | 3.02 | 0.45 | 3.97 | 2.07 | 0.38 | 0.07 | 3.68 | 13.64 | | | | | | | | |
| | L40CA032 | 5.29 | 0.97 | 2.21 | 1.15 | 0.67 | 0.12 | 6.00 | 16.41 | 5.59 | 0.98 | 2.95 | 1.54 | 1.29 | 0.23 | 7.25 | 19.83 |
| | L40CA033 | 5.84 | 1.07 | 2.95 | 1.54 | 0.67 | 0.12 | 6.63 | 18.82 | 6.18 | 1.08 | 3.93 | 2.05 | 1.29 | 0.23 | 8.01 | 22.77 |
| | L40CA034 | 6.26 | 1.18 | 4.03 | 2.10 | 2.79 | 0.49 | 7.14 | 23.99 | 6.62 | 1.18 | 5.38 | 2.80 | 5.33 | 0.94 | 8.64 | 30.89 |
| | L40CS009 | 10.52 | 1.95 | 6.59 | 3.43 | 2.70 | 0.47 | 11.97 | 37.63 | 11.13 | 1.96 | 8.79 | 4.58 | 5.16 | 0.91 | 14.47 | 47.00 |
| | L40CS010 | 12.49 | 2.30 | 7.47 | 3.89 | 2.70 | 0.47 | 14.18 | 43.50 | 13.20 | 2.31 | 9.97 | 5.19 | 5.16 | 0.91 | 17.14 | 53.88 |
| | L40CS011 | 16.55 | 3.06 | 9.19 | 4.79 | 4.17 | 0.73 | 18.82 | 57.31 | 17.50 | 3.08 | 12.26 | 6.39 | 7.95 | 1.40 | 22.74 | 71.32 |
| | L40KM001 | 9.21 | 1.69 | 5.16 | 2.69 | 1.66 | 0.29 | 10.44 | 31.14 | 9.74 | 1.70 | 6.88 | 3.58 | 3.18 | 0.56 | 12.62 | 38.26 |
| | L40KM002 | 10.69 | 1.95 | 5.80 | 3.02 | 1.66 | 0.29 | 12.10 | 35.51 | 11.30 | 1.96 | 7.74 | 4.03 | 3.18 | 0.56 | 14.63 | 43.40 |
| | L40KM003 | 12.97 | 2.35 | 6.64 | 3.46 | 1.66 | 0.29 | 14.67 | 42.04 | 13.71 | 2.37 | 8.85 | 4.61 | 3.18 | 0.56 | 17.74 | 51.02 |
| | L40KM004 | 15.11 | 2.78 | 8.51 | 4.43 | 3.11 | 0.55 | 17.14 | 51.63 | 15.97 | 2.79 | 11.34 | 5.91 | 5.94 | 1.04 | 20.72 | 63.71 |
| | L40KM005 | 19.36 | 3.58 | 10.08 | 5.25 | 4.78 | 0.84 | 22.00 | 65.89 | 20.46 | 3.60 | 13.44 | 7.00 | 9.12 | 1.60 | 26.60 | 81.82 |
| | L40KM006 | 15.82 | 3.73 | 11.31 | 4.21 | 4.78 | 0.84 | 16.80 | 57.49 | 17.79 | 3.77 | 15.08 | 5.61 | 9.12 | 1.60 | 20.27 | 73.24 |
| | L40KM007 | 18.63 | 4.45 | 13.33 | 4.96 | 4.86 | 0.85 | 19.84 | 66.92 | 20.96 | 4.49 | 17.77 | 6.61 | 9.28 | 1.63 | 23.93 | 84.67 |
| | L40KM008 | 25.80 | 6.12 | 16.47 | 6.13 | 5.98 | 1.05 | 27.44 | 88.99 | 29.02 | 6.18 | 21.96 | 8.17 | 11.42 | 2.00 | 33.10 | 111.85 |
| | L40KM009 | 33.76 | 8.14 | 24.09 | 8.96 | 6.82 | 1.20 | 36.02 | 118.99 | 37.98 | 8.21 | 32.12 | 11.95 | 13.02 | 2.29 | 43.45 | 149.02 |
| | L40KM010 | 66.91 | 15.82 | 33.63 | 12.51 | 8.67 | 1.52 | 71.11 | 210.17 | 75.28 | 15.97 | 44.84 | 16.68 | 16.55 | 2.90 | 85.78 | 258.00 |
| | L40KM011 | 85.83 | 20.39 | 41.94 | 15.60 | 12.62 | 2.21 | 91.30 | 269.89 | 96.56 | 20.58 | 55.92 | 20.81 | 24.09 | 4.23 | 110.14 | 332.33 |
| | L40KM012 | 10.22 | 2.00 | 5.80 | 3.02 | 1.66 | 0.29 | 14.05 | 37.04 | 11.04 | 2.01 | 7.74 | 4.03 | 3.18 | 0.56 | 16.09 | 44.65 |
| | L40KM013 | 11.73 | 2.33 | 6.64 | 3.46 | 3.23 | 0.57 | 16.20 | 44.16 | 12.68 | 2.35 | 8.85 | 4.61 | 6.17 | 1.08 | 18.56 | 54.30 |
| | L40KM014 | 4.65 | 0.87 | 2.46 | 1.28 | 0.87 | 0.15 | 5.29 | 15.57 | 4.91 | 0.87 | 3.28 | 1.71 | 1.66 | 0.29 | 6.39 | 19.11 |
| | L40KM015 | 5.72 | 1.07 | 3.69 | 1.92 | 1.12 | 0.20 | 6.52 | 20.24 | 6.05 | 1.07 | 4.92 | 2.56 | 2.14 | 0.38 | 7.88 | 25.00 |
| | L40ME012 | 1.94 | 0.28 | 2.33 | 1.21 | 0.17 | 0.03 | 2.35 | 8.31 | | | | | | | | |
| | L40ME016 | 1.14 | 0.17 | 0.84 | 0.44 | 0.10 | 0.02 | 1.38 | 4.09 | | | | | | | | |
| | L40ME017 | 1.48 | 0.22 | 1.21 | 0.63 | 0.21 | 0.04 | 1.80 | 5.59 | | | | | | | | |
| | L40ME018 | 1.69 | 0.25 | 2.04 | 1.06 | 0.17 | 0.03 | 2.05 | 7.29 | | | | | | | | |
| | L40ME019 | 2.63 | 0.39 | 3.92 | 2.04 | 0.38 | 0.07 | 3.20 | 12.63 | | | | | | | | |
| | L40ME020 | 4.36 | 0.66 | 5.63 | 2.93 | 0.95 | 0.17 | 5.33 | 20.03 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| **L50** | | | | | | | | | | | | | | | | | |
| | L50CA001 | 5.54 | 1.08 | 3.10 | 1.23 | 0.47 | 0.08 | 7.17 | 18.67 | 9.23 | 1.15 | 4.29 | 1.70 | 0.66 | 0.12 | 12.69 | 29.84 |
| | L50CA002 | 6.21 | 1.21 | 3.29 | 1.31 | 0.47 | 0.08 | 8.04 | 20.61 | 10.36 | 1.29 | 4.56 | 1.81 | 0.66 | 0.12 | 14.24 | 33.04 |
| | L50CA003 | 6.69 | 1.31 | 3.60 | 1.43 | 0.52 | 0.09 | 8.65 | 22.29 | 11.15 | 1.38 | 4.99 | 1.98 | 0.72 | 0.13 | 15.32 | 35.67 |
| | L50CA004 | 9.06 | 1.78 | 4.26 | 1.69 | 0.80 | 0.14 | 11.74 | 29.47 | 15.10 | 1.88 | 5.90 | 2.34 | 1.11 | 0.19 | 20.78 | 47.30 |
| | L50CS004 | 6.19 | 1.21 | 2.83 | 1.12 | 0.44 | 0.08 | 8.01 | 19.88 | 10.32 | 1.28 | 3.92 | 1.56 | 0.62 | 0.11 | 14.19 | 32.00 |
| | L50CS005 | 6.75 | 1.32 | 3.49 | 1.39 | 0.51 | 0.09 | 8.73 | 22.28 | 11.24 | 1.40 | 4.83 | 1.92 | 0.72 | 0.13 | 15.45 | 35.69 |
| | L50CS006 | 7.60 | 1.50 | 3.84 | 1.52 | 0.88 | 0.15 | 9.87 | 25.36 | 12.67 | 1.59 | 5.31 | 2.11 | 1.21 | 0.21 | 17.48 | 40.58 |
| | L50JC001 | 4.12 | 0.83 | 2.32 | 0.92 | 0.80 | 0.14 | 5.37 | 14.50 | 6.86 | 0.88 | 3.22 | 1.28 | 1.14 | 0.20 | 9.51 | 23.09 |
| | L50JC002 | 3.88 | 0.79 | 2.79 | 1.11 | 0.71 | 0.12 | 5.07 | 14.47 | 6.47 | 0.83 | 3.86 | 1.53 | 0.96 | 0.17 | 8.97 | 22.79 |
| | L50JC003 | 5.70 | 1.13 | 3.56 | 1.41 | 0.78 | 0.14 | 7.41 | 20.13 | 9.50 | 1.20 | 4.93 | 1.96 | 1.11 | 0.19 | 13.11 | 32.00 |
| | L50JC005 | 6.29 | 1.24 | 3.56 | 1.41 | 0.78 | 0.14 | 8.16 | 21.58 | 10.48 | 1.32 | 4.93 | 1.96 | 1.11 | 0.19 | 14.44 | 34.43 |
| | L50JC007 | 8.12 | 1.59 | 3.56 | 1.41 | 0.75 | 0.13 | 10.52 | 26.08 | 13.53 | 1.68 | 4.93 | 1.96 | 1.06 | 0.19 | 18.62 | 41.97 |
| **L55** | | | | | | | | | | | | | | | | | |
| | L55KN001 | 0.91 | 0.10 | 0.00 | 0.52 | 0.00 | 0.00 | 1.38 | 2.91 | | | | | | | | |
| | L55KN002 | 1.87 | 0.21 | 0.00 | 1.06 | 0.00 | 0.00 | 2.83 | 5.97 | | | | | | | | |
| | L55KN003 | 3.80 | 0.42 | 0.00 | 2.01 | 0.00 | 0.00 | 5.77 | 12.00 | | | | | | | | |
| **L60** | | | | | | | | | | | | | | | | | |
| | L60CA010 | 22.31 | 3.53 | 7.38 | 2.56 | 0.00 | 0.00 | 22.62 | 58.40 | 27.89 | 3.62 | 9.83 | 3.41 | 0.00 | 0.00 | 32.32 | 77.07 |
| | L60CA011 | 24.63 | 3.89 | 7.38 | 2.56 | 0.00 | 0.00 | 24.98 | 63.44 | 30.79 | 4.00 | 9.83 | 3.41 | 0.00 | 0.00 | 35.68 | 83.71 |
| | L60CA012 | 12.09 | 1.98 | 6.88 | 2.39 | 1.49 | 0.26 | 12.33 | 37.42 | 15.11 | 2.04 | 9.18 | 3.19 | 3.03 | 0.53 | 17.61 | 50.69 |
| | L60CA013 | 14.58 | 2.38 | 7.87 | 2.73 | 1.49 | 0.26 | 14.85 | 44.16 | 18.22 | 2.44 | 10.49 | 3.64 | 3.03 | 0.53 | 21.22 | 59.57 |
| | L60CA014 | 19.77 | 3.12 | 5.90 | 2.05 | 0.00 | 0.00 | 20.05 | 50.89 | 24.72 | 3.21 | 7.87 | 2.73 | 0.00 | 0.00 | 28.64 | 67.17 |
| | L60JD001 | 10.05 | 1.66 | 5.95 | 2.07 | 1.96 | 0.34 | 10.26 | 32.29 | 12.56 | 1.71 | 7.93 | 2.75 | 4.10 | 0.72 | 14.66 | 44.43 |
| | L60JD002 | 15.03 | 2.45 | 7.72 | 2.68 | 1.96 | 0.34 | 15.32 | 45.50 | 18.79 | 2.52 | 10.29 | 3.57 | 4.10 | 0.72 | 21.88 | 61.87 |
| | L60JD003 | 10.29 | 1.70 | 5.95 | 2.07 | 1.96 | 0.34 | 10.51 | 32.82 | 12.86 | 1.75 | 7.93 | 2.75 | 4.10 | 0.72 | 15.01 | 45.12 |
| | L60JD004 | 12.28 | 2.09 | 7.72 | 2.68 | 3.89 | 0.68 | 12.60 | 41.94 | 15.35 | 2.15 | 10.29 | 3.57 | 8.15 | 1.43 | 18.00 | 58.94 |
| | L60JD006 | 16.86 | 2.78 | 8.36 | 2.90 | 2.93 | 0.51 | 17.21 | 51.55 | 21.07 | 2.86 | 11.15 | 3.87 | 6.14 | 1.08 | 24.58 | 70.75 |
| | L60JD007 | 17.97 | 2.96 | 9.83 | 3.41 | 2.93 | 0.51 | 18.34 | 55.95 | 22.47 | 3.04 | 13.11 | 4.55 | 6.14 | 1.08 | 26.19 | 76.58 |
| | L60JD008 | 24.87 | 3.93 | 8.36 | 2.90 | 0.00 | 0.00 | 25.22 | 65.28 | 31.09 | 4.04 | 11.15 | 3.87 | 0.00 | 0.00 | 36.03 | 86.18 |
| **M10** | | | | | | | | | | | | | | | | | |
| | M10MZ001 | 0.86 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 1.54 | | | | | | | | |
| | M10MZ003 | 1.14 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.79 | 2.04 | | | | | | | | |
| | M10MZ005 | 0.63 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 1.41 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***M10*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | M10MZ007 | 0.80 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 1.79 | | | | | | | | |
| | M10MZ008 | 1.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.24 | | | | | | | | |
| | M10MZ009 | 1.20 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 2.68 | | | | | | | | |
| | M10MZ010 | 1.85 | 0.45 | 6.88 | 3.24 | 0.00 | 0.00 | 1.90 | 14.32 | 2.28 | 0.46 | 9.18 | 4.33 | 0.00 | 0.00 | 2.51 | 18.76 |
| | M10MZ011 | 2.41 | 0.58 | 10.33 | 4.87 | 0.00 | 0.00 | 2.48 | 20.67 | 2.96 | 0.59 | 13.77 | 6.49 | 0.00 | 0.00 | 3.26 | 27.07 |
| | M10SM001 | 2.35 | 0.57 | 16.09 | 6.39 | 0.00 | 0.00 | 2.41 | 27.81 | 2.89 | 0.58 | 21.04 | 8.35 | 0.00 | 0.00 | 3.18 | 36.04 |
| | M10SM003 | 2.62 | 0.64 | 21.45 | 8.51 | 0.00 | 0.00 | 2.70 | 35.92 | 3.23 | 0.65 | 28.05 | 11.13 | 0.00 | 0.00 | 3.56 | 46.62 |
| | M10SM004 | 2.87 | 0.70 | 26.81 | 10.64 | 0.00 | 0.00 | 2.95 | 43.97 | 3.53 | 0.71 | 35.06 | 13.91 | 0.00 | 0.00 | 3.89 | 57.10 |
| | M10SM005 | 1.06 | 0.26 | 12.33 | 4.89 | 0.00 | 0.00 | 1.09 | 19.63 | 1.30 | 0.26 | 16.13 | 6.40 | 0.00 | 0.00 | 1.44 | 25.53 |
| | M10SM008 | 1.97 | 0.48 | 21.45 | 8.51 | 0.00 | 0.00 | 2.03 | 34.44 | 2.43 | 0.49 | 28.05 | 11.13 | 0.00 | 0.00 | 2.67 | 44.77 |
| | M10XX001 | 0.15 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.34 | | | | | | | | |
| | M10XX002 | 0.48 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 1.07 | | | | | | | | |
| | M10XX003 | 0.58 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.48 | 1.29 | | | | | | | | |
| | M10XX004 | 0.94 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 2.09 | | | | | | | | |
| | M10XX005 | 1.42 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 1.12 | 4.04 | | | | | | | | |
| | M10XX006 | 2.00 | 2.12 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 5.70 | | | | | | | | |
| | M10XX007 | 2.54 | 2.68 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 7.22 | | | | | | | | |
| | M10XX008 | 3.54 | 3.73 | 0.00 | 0.00 | 0.00 | 0.00 | 2.79 | 10.06 | | | | | | | | |
| | M10XX009 | 0.63 | 0.15 | 5.36 | 2.13 | 0.00 | 0.00 | 0.65 | 8.92 | 0.78 | 0.16 | 7.01 | 2.78 | 0.00 | 0.00 | 0.86 | 11.59 |
| | M10XX010 | 2.13 | 0.52 | 3.69 | 1.74 | 0.00 | 0.00 | 2.19 | 10.27 | 2.62 | 0.52 | 4.92 | 2.32 | 0.00 | 0.00 | 2.88 | 13.26 |
| | M10XX011 | 2.44 | 0.59 | 4.92 | 2.32 | 0.00 | 0.00 | 2.51 | 12.78 | 3.00 | 0.60 | 6.56 | 3.09 | 0.00 | 0.00 | 3.31 | 16.56 |
| | M10XX012 | 2.52 | 0.61 | 4.92 | 2.32 | 0.00 | 0.00 | 2.59 | 12.96 | 3.10 | 0.62 | 6.56 | 3.09 | 0.00 | 0.00 | 3.41 | 16.78 |
| | M10XX013 | 3.26 | 0.79 | 5.65 | 2.66 | 0.00 | 0.00 | 3.35 | 15.71 | 4.01 | 0.80 | 7.54 | 3.55 | 0.00 | 0.00 | 4.42 | 20.32 |
| | M10XX014 | 4.48 | 1.09 | 8.60 | 4.05 | 0.00 | 0.00 | 4.60 | 22.82 | 5.51 | 1.10 | 11.47 | 5.41 | 0.00 | 0.00 | 6.07 | 29.56 |
| | M10XX015 | 5.61 | 1.36 | 12.29 | 5.79 | 0.00 | 0.00 | 5.77 | 30.82 | 6.91 | 1.38 | 16.39 | 7.72 | 0.00 | 0.00 | 7.61 | 40.01 |
| | M10XX016 | 6.38 | 2.32 | 0.00 | 0.00 | 0.00 | 0.00 | 5.87 | 14.57 | | | | | | | | |
| | M10XX017 | 6.75 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 | 6.21 | 15.41 | | | | | | | | |
| | M10XX018 | 8.41 | 3.05 | 0.00 | 0.00 | 0.00 | 0.00 | 7.73 | 19.19 | | | | | | | | |
| | M10XX019 | 8.59 | 3.12 | 0.00 | 0.00 | 0.00 | 0.00 | 7.90 | 19.61 | | | | | | | | |
| | M10XX021 | 13.26 | 3.59 | 18.68 | 8.80 | 0.00 | 0.00 | 15.59 | 59.92 | 15.91 | 3.64 | 24.91 | 11.74 | 0.00 | 0.00 | 19.86 | 76.06 |
| | M10XX022 | 15.09 | 4.09 | 21.39 | 10.08 | 0.00 | 0.00 | 17.74 | 68.39 | 18.11 | 4.14 | 28.52 | 13.44 | 0.00 | 0.00 | 22.61 | 86.82 |
| | M10XX023 | 20.23 | 5.48 | 19.67 | 9.27 | 0.00 | 0.00 | 23.77 | 78.42 | 24.27 | 5.55 | 26.22 | 12.36 | 0.00 | 0.00 | 30.30 | 98.70 |
| | M10XX024 | 28.84 | 7.81 | 21.39 | 10.08 | 0.00 | 0.00 | 33.90 | 102.02 | 34.61 | 7.91 | 28.52 | 13.44 | 0.00 | 0.00 | 43.21 | 127.69 |
| | M10XX026 | 8.41 | 4.88 | 32.33 | 15.24 | 0.00 | 0.00 | 11.12 | 71.98 | | | | | | | | |
| | M10XX027 | 9.58 | 5.57 | 24.25 | 11.43 | 0.00 | 0.00 | 12.67 | 63.50 | | | | | | | | |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***M10*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | M10XX028 | 10.02 | 5.82 | 40.19 | 18.94 | 0.00 | 0.00 | 13.25 | 88.22 | | | | | | | | |
| | M10XX029 | 13.19 | 7.67 | 32.56 | 15.34 | 0.00 | 0.00 | 17.45 | 86.21 | | | | | | | | |
| | M10XX030 | 13.94 | 8.10 | 40.19 | 18.94 | 0.00 | 0.00 | 18.44 | 99.61 | | | | | | | | |
| | M10XX031 | 14.42 | 8.38 | 40.19 | 18.94 | 0.00 | 0.00 | 19.06 | 100.99 | | | | | | | | |
| | M10XX032 | 17.95 | 10.43 | 40.19 | 18.94 | 0.00 | 0.00 | 23.74 | 111.25 | | | | | | | | |
| | M10XX033 | 8.68 | 6.89 | 48.50 | 22.86 | 0.00 | 0.00 | 12.75 | 99.68 | | | | | | | | |
| | M10XX034 | 15.96 | 12.67 | 62.36 | 29.39 | 0.00 | 0.00 | 23.43 | 143.81 | | | | | | | | |
| | M10XX035 | 20.27 | 16.09 | 90.07 | 42.45 | 0.00 | 0.00 | 29.76 | 198.64 | | | | | | | | |
| | M10XX036 | 42.68 | 33.87 | 92.38 | 43.54 | 0.00 | 0.00 | 62.66 | 275.13 | | | | | | | | |
| **P10** | | | | | | | | | | | | | | | | | |
| | P10IC001 | 10.69 | 1.57 | 8.60 | 3.41 | 0.00 | 0.00 | 15.99 | 40.26 | | | | | | | | |
| | P10IC002 | 16.83 | 2.47 | 14.75 | 5.85 | 0.00 | 0.00 | 25.17 | 65.07 | | | | | | | | |
| | P10IC003 | 21.14 | 3.11 | 14.75 | 5.85 | 0.00 | 0.00 | 31.61 | 76.46 | | | | | | | | |
| | P10IC004 | 27.03 | 3.97 | 24.73 | 9.81 | 0.00 | 0.00 | 40.42 | 105.96 | | | | | | | | |
| | P10IC005 | 43.17 | 6.34 | 39.34 | 15.61 | 0.00 | 0.00 | 64.56 | 169.02 | | | | | | | | |
| | P10IC010 | 2.26 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 3.38 | 5.97 | | | | | | | | |
| | P10IC011 | 4.35 | 0.64 | 0.64 | 0.25 | 0.00 | 0.00 | 6.50 | 12.38 | | | | | | | | |
| | P10IC012 | 2.75 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 4.11 | 7.26 | | | | | | | | |
| | P10IC013 | 4.74 | 0.70 | 1.39 | 0.55 | 0.00 | 0.00 | 7.08 | 14.46 | | | | | | | | |
| **P20** | | | | | | | | | | | | | | | | | |
| | P20IC001 | 5.13 | 0.62 | 0.00 | 1.25 | 0.00 | 0.00 | 9.14 | 16.14 | | | | | | | | |
| | P20IC002 | 11.80 | 1.43 | 0.00 | 1.90 | 0.00 | 0.00 | 21.03 | 36.16 | | | | | | | | |
| | P20IC003 | 11.34 | 1.38 | 0.00 | 2.50 | 0.00 | 0.00 | 20.20 | 35.42 | | | | | | | | |
| | P20IC004 | 12.06 | 1.46 | 0.00 | 3.15 | 0.00 | 0.00 | 21.49 | 38.16 | | | | | | | | |
| | P20MK001 | 6.10 | 0.74 | 0.00 | 1.25 | 0.00 | 0.00 | 10.87 | 18.96 | | | | | | | | |
| | P20MK002 | 2.82 | 0.31 | 0.00 | 0.50 | 0.00 | 0.00 | 4.71 | 8.34 | | | | | | | | |
| | P20MK003 | 3.29 | 0.36 | 0.00 | 1.00 | 0.00 | 0.00 | 5.49 | 10.14 | | | | | | | | |
| | P20MK004 | 4.16 | 0.46 | 0.00 | 1.25 | 0.00 | 0.00 | 6.94 | 12.81 | | | | | | | | |
| | P20MK005 | 6.53 | 0.72 | 0.00 | 1.25 | 0.00 | 0.00 | 10.90 | 19.40 | | | | | | | | |
| | P20MK006 | 7.62 | 0.85 | 0.00 | 2.50 | 0.00 | 0.00 | 12.73 | 23.70 | | | | | | | | |
| | P20MK007 | 8.16 | 0.90 | 0.00 | 2.50 | 0.00 | 0.00 | 13.62 | 25.18 | | | | | | | | |
| **P25** | | | | | | | | | | | | | | | | | |
| | P25DL001 | 6.21 | 0.69 | 0.00 | 0.95 | 0.00 | 0.00 | 9.42 | 17.27 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***P25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | P25DL003 | 7.43 | 0.82 | 0.00 | 1.20 | 0.00 | 0.00 | 11.27 | 20.72 | | | | | | | | |
| | P25DL004 | 8.48 | 0.94 | 0.00 | 1.80 | 0.00 | 0.00 | 12.86 | 24.08 | | | | | | | | |
| | P25DL005 | 11.66 | 1.29 | 0.00 | 2.65 | 0.00 | 0.00 | 17.69 | 33.29 | | | | | | | | |
| | P25DL006 | 12.07 | 1.34 | 0.00 | 3.30 | 0.00 | 0.00 | 18.32 | 35.03 | | | | | | | | |
| | P25DL008 | 14.83 | 1.64 | 0.00 | 5.30 | 0.00 | 0.00 | 22.50 | 44.27 | | | | | | | | |
| | P25DL009 | 22.37 | 2.48 | 0.00 | 6.60 | 0.00 | 0.00 | 33.95 | 65.40 | | | | | | | | |
| | P25DL010 | 32.69 | 3.63 | 0.00 | 8.25 | 0.00 | 0.00 | 49.61 | 94.18 | | | | | | | | |
| | P25DL011 | 34.95 | 3.88 | 0.00 | 9.90 | 0.00 | 0.00 | 53.03 | 101.76 | | | | | | | | |
| | P25IC001 | 8.49 | 0.94 | 0.00 | 2.20 | 0.00 | 0.00 | 12.88 | 24.51 | | | | | | | | |
| | P25IC002 | 10.29 | 1.14 | 0.00 | 3.45 | 0.00 | 0.00 | 15.61 | 30.49 | | | | | | | | |
| | P25IC003 | 16.34 | 1.81 | 0.00 | 4.40 | 0.00 | 0.00 | 24.79 | 47.34 | | | | | | | | |
| | P25IC004 | 19.11 | 2.12 | 0.00 | 5.30 | 0.00 | 0.00 | 28.99 | 55.52 | | | | | | | | |
| | P25IC005 | 24.85 | 2.76 | 0.00 | 6.25 | 0.00 | 0.00 | 37.70 | 71.56 | | | | | | | | |
| | P25IC006 | 29.68 | 3.29 | 0.00 | 7.20 | 0.00 | 0.00 | 45.04 | 85.21 | | | | | | | | |
| | P25MK001 | 8.14 | 0.90 | 0.00 | 2.50 | 0.00 | 0.00 | 12.36 | 23.90 | | | | | | | | |
| | P25MK002 | 8.55 | 0.95 | 0.00 | 2.50 | 0.00 | 0.00 | 12.98 | 24.98 | | | | | | | | |
| | P25MK003 | 12.70 | 1.41 | 0.00 | 4.15 | 0.00 | 0.00 | 19.27 | 37.53 | | | | | | | | |
| | P25VU002 | 9.61 | 0.98 | 0.00 | 2.50 | 0.00 | 0.00 | 13.73 | 26.82 | | | | | | | | |
| | P25VU003 | 9.53 | 0.97 | 0.00 | 2.50 | 0.00 | 0.00 | 13.61 | 26.61 | | | | | | | | |
| | P25VU004 | 9.74 | 0.99 | 0.00 | 2.50 | 0.00 | 0.00 | 13.91 | 27.14 | | | | | | | | |
| | P25VU005 | 13.08 | 1.33 | 0.00 | 2.50 | 0.00 | 0.00 | 18.68 | 35.59 | | | | | | | | |
| | P25VU010 | 13.44 | 1.37 | 0.00 | 0.95 | 0.00 | 0.00 | 19.19 | 34.95 | | | | | | | | |
| | P25VU011 | 13.61 | 1.38 | 0.00 | 1.17 | 0.00 | 0.00 | 19.43 | 35.59 | | | | | | | | |
| **P30** | | | | | | | | | | | | | | | | | |
| | P30MK001 | 11.78 | 1.31 | 9.10 | 3.61 | 0.00 | 0.00 | 17.88 | 43.68 | | | | | | | | |
| | P30MK003 | 20.54 | 2.28 | 15.98 | 6.34 | 0.00 | 0.00 | 31.17 | 76.31 | | | | | | | | |
| | P30MK004 | 34.81 | 3.86 | 29.50 | 11.71 | 0.00 | 0.00 | 52.82 | 132.70 | | | | | | | | |
| | P30VU001 | 7.51 | 0.83 | 2.85 | 1.13 | 0.00 | 0.00 | 11.39 | 23.71 | | | | | | | | |
| | P30VU002 | 16.12 | 1.79 | 7.62 | 3.02 | 0.00 | 0.00 | 24.46 | 53.01 | | | | | | | | |
| | P30VU003 | 24.07 | 2.67 | 17.70 | 7.02 | 0.00 | 0.00 | 36.53 | 87.99 | | | | | | | | |
| | P30VU004 | 34.30 | 3.80 | 27.54 | 10.93 | 0.00 | 0.00 | 52.06 | 128.63 | | | | | | | | |
| **P35** | | | | | | | | | | | | | | | | | |
| | P35CA001 | 11.06 | 2.61 | 2.95 | 1.46 | 0.00 | 0.00 | 15.85 | 33.93 | 13.47 | 2.65 | 3.93 | 1.95 | 0.00 | 0.00 | 22.34 | 44.34 |
| | P35CA006 | 34.83 | 8.22 | 11.26 | 5.59 | 0.00 | 0.00 | 49.89 | 109.79 | 42.40 | 8.35 | 15.02 | 7.45 | 0.00 | 0.00 | 70.33 | 143.55 |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***P35*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | P35CA007 | 11.19 | 2.64 | 2.95 | 1.46 | 0.00 | 0.00 | 16.03 | 34.27 | 13.62 | 2.68 | 3.93 | 1.95 | 0.00 | 0.00 | 22.60 | 44.78 |
| | P35CA008 | 20.64 | 4.87 | 6.17 | 3.06 | 0.00 | 0.00 | 29.56 | 64.30 | 25.12 | 4.95 | 8.22 | 4.08 | 0.00 | 0.00 | 41.68 | 84.05 |
| | P35CA009 | 26.53 | 6.27 | 8.18 | 4.06 | 0.00 | 0.00 | 38.00 | 83.04 | 32.30 | 6.36 | 10.91 | 5.41 | 0.00 | 0.00 | 53.57 | 108.55 |
| **P40** | | | | | | | | | | | | | | | | | |
| | P40BX001 | 1.21 | 0.14 | 0.00 | 0.05 | 0.00 | 0.00 | 1.36 | 2.76 | | | | | | | | |
| | P40GW016 | 12.61 | 1.51 | 2.32 | 0.81 | 0.19 | 0.03 | 14.16 | 31.63 | | | | | | | | |
| | P40GW017 | 19.86 | 2.41 | 4.26 | 1.48 | 1.36 | 0.24 | 22.33 | 51.94 | | | | | | | | |
| | P40GW018 | 23.84 | 2.90 | 4.26 | 1.48 | 2.16 | 0.38 | 26.81 | 61.83 | | | | | | | | |
| | P40GW019 | 29.67 | 3.60 | 4.26 | 1.48 | 2.16 | 0.38 | 33.36 | 74.91 | | | | | | | | |
| | P40GW020 | 5.15 | 0.68 | 0.44 | 0.25 | 1.95 | 0.34 | 5.84 | 14.65 | | | | | | | | |
| | P40GW021 | 5.58 | 0.73 | 0.48 | 0.27 | 1.95 | 0.34 | 6.32 | 15.67 | | | | | | | | |
| | P40GW022 | 9.05 | 1.09 | 2.32 | 0.81 | 0.14 | 0.02 | 10.17 | 23.60 | | | | | | | | |
| | P40GW023 | 12.92 | 1.57 | 2.32 | 0.81 | 0.58 | 0.10 | 14.53 | 32.83 | | | | | | | | |
| | P40GW024 | 17.20 | 2.06 | 3.29 | 1.14 | 0.14 | 0.02 | 19.31 | 43.16 | | | | | | | | |
| | P40GW025 | 18.04 | 2.16 | 3.29 | 1.14 | 0.14 | 0.02 | 20.26 | 45.05 | | | | | | | | |
| | P40GW026 | 24.69 | 2.97 | 4.26 | 1.48 | 0.58 | 0.10 | 27.74 | 61.82 | | | | | | | | |
| | P40TE001 | 3.51 | 0.43 | 1.98 | 0.79 | 0.19 | 0.03 | 3.95 | 10.88 | | | | | | | | |
| | P40TE002 | 4.45 | 0.54 | 3.22 | 1.28 | 0.19 | 0.03 | 5.00 | 14.71 | | | | | | | | |
| | P40TE003 | 7.74 | 0.94 | 1.24 | 0.43 | 0.42 | 0.07 | 8.71 | 19.55 | | | | | | | | |
| | P40TE004 | 9.00 | 1.11 | 1.70 | 0.59 | 0.79 | 0.14 | 10.14 | 23.47 | | | | | | | | |
| | P40TE005 | 5.91 | 0.73 | 2.56 | 0.89 | 0.42 | 0.07 | 6.66 | 17.24 | | | | | | | | |
| | P40TE006 | 9.36 | 1.15 | 2.56 | 0.89 | 0.69 | 0.12 | 10.55 | 25.32 | | | | | | | | |
| | P40TE007 | 15.31 | 1.86 | 2.56 | 0.89 | 0.69 | 0.12 | 17.22 | 38.65 | | | | | | | | |
| | P40TE008 | 17.60 | 2.13 | 2.94 | 1.02 | 0.69 | 0.12 | 19.79 | 44.29 | | | | | | | | |
| | P40TE009 | 19.25 | 2.33 | 2.94 | 1.02 | 0.69 | 0.12 | 21.64 | 47.99 | | | | | | | | |
| | P40TE010 | 6.73 | 0.82 | 8.14 | 2.83 | 0.25 | 0.04 | 7.56 | 26.37 | | | | | | | | |
| | P40TE011 | 7.33 | 0.90 | 8.14 | 2.83 | 0.44 | 0.08 | 8.25 | 27.97 | | | | | | | | |
| | P40TE012 | 11.05 | 1.34 | 8.14 | 2.83 | 0.44 | 0.08 | 12.43 | 36.31 | | | | | | | | |
| | P40TE013 | 10.11 | 1.23 | 8.14 | 2.83 | 0.44 | 0.08 | 11.37 | 34.20 | | | | | | | | |
| | P40TE014 | 10.30 | 1.25 | 8.14 | 2.83 | 0.44 | 0.08 | 11.58 | 34.62 | | | | | | | | |
| | P40TE015 | 11.73 | 1.42 | 8.14 | 2.83 | 0.44 | 0.08 | 13.19 | 37.83 | | | | | | | | |
| **P45** | | | | | | | | | | | | | | | | | |
| | P45AF002 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.21 | | | | | | | | |
| | P45AF003 | 0.13 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.34 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***P45*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | P45AF005 | 1.20 | 0.16 | 1.72 | 0.68 | 0.04 | 0.01 | 1.72 | 5.53 | | | | | | | | |
| | P45AF006 | 1.37 | 0.18 | 1.72 | 0.68 | 0.04 | 0.01 | 1.96 | 5.96 | | | | | | | | |
| | P45AF007 | 2.55 | 0.34 | 2.19 | 0.76 | 0.04 | 0.01 | 3.66 | 9.55 | | | | | | | | |
| | P45AF008 | 0.72 | 0.09 | 0.00 | 0.10 | 0.00 | 0.00 | 1.02 | 1.93 | | | | | | | | |
| | P45AF009 | 2.34 | 0.30 | 0.00 | 0.10 | 0.00 | 0.00 | 3.34 | 6.08 | | | | | | | | |
| | P45AF010 | 2.46 | 0.32 | 2.82 | 1.12 | 0.04 | 0.01 | 3.52 | 10.29 | | | | | | | | |
| | P45AF011 | 4.85 | 0.63 | 5.49 | 2.18 | 0.04 | 0.01 | 6.94 | 20.14 | | | | | | | | |
| | P45AL015 | 4.30 | 0.56 | 3.61 | 1.43 | 0.04 | 0.01 | 6.14 | 16.09 | | | | | | | | |
| | P45CG001 | 0.37 | 0.05 | 0.00 | 0.05 | 0.00 | 0.00 | 0.52 | 0.99 | | | | | | | | |
| | P45CG002 | 0.62 | 0.08 | 0.00 | 0.10 | 0.00 | 0.00 | 0.88 | 1.68 | | | | | | | | |
| | P45CG003 | 1.55 | 0.20 | 0.00 | 0.15 | 0.00 | 0.00 | 2.22 | 4.12 | | | | | | | | |
| | P45CG006 | 1.75 | 0.23 | 2.51 | 1.00 | 0.04 | 0.01 | 2.50 | 8.04 | | | | | | | | |
| | P45CG007 | 1.74 | 0.23 | 2.51 | 1.00 | 0.00 | 0.00 | 2.49 | 7.97 | | | | | | | | |
| | P45OE001 | 2.20 | 0.29 | 3.07 | 1.07 | 0.09 | 0.02 | 3.15 | 9.89 | | | | | | | | |
| | P45OE002 | 3.05 | 0.40 | 4.02 | 1.40 | 0.09 | 0.02 | 4.37 | 13.35 | | | | | | | | |
| | P45OE003 | 3.99 | 0.53 | 6.13 | 2.13 | 0.09 | 0.02 | 5.72 | 18.61 | | | | | | | | |
| | P45OE004 | 4.97 | 0.65 | 8.76 | 3.04 | 0.09 | 0.02 | 7.11 | 24.64 | | | | | | | | |
| | P45OE005 | 6.30 | 0.83 | 13.21 | 4.59 | 0.18 | 0.03 | 9.03 | 34.17 | | | | | | | | |
| **P50** | | | | | | | | | | | | | | | | | |
| | P50GR001 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.25 | | | | | | | | |
| | P50GR002 | 0.12 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.37 | | | | | | | | |
| | P50GR003 | 0.17 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.52 | | | | | | | | |
| | P50GR004 | 0.34 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 1.05 | | | | | | | | |
| | P50WC001 | 0.15 | 0.02 | 1.49 | 0.59 | 0.00 | 0.00 | 0.20 | 2.45 | | | | | | | | |
| | P50WC002 | 0.17 | 0.02 | 1.03 | 0.49 | 0.00 | 0.00 | 0.24 | 1.95 | | | | | | | | |
| | P50WC003 | 0.37 | 0.05 | 1.10 | 0.52 | 0.00 | 0.00 | 0.51 | 2.55 | | | | | | | | |
| | P50WC004 | 1.66 | 0.24 | 2.26 | 1.07 | 0.03 | 0.01 | 2.27 | 7.54 | | | | | | | | |
| | P50XX001 | 2.03 | 0.29 | 4.11 | 1.94 | 0.00 | 0.00 | 2.77 | 11.14 | | | | | | | | |
| | P50XX002 | 3.75 | 0.53 | 4.80 | 2.26 | 0.00 | 0.00 | 5.12 | 16.46 | | | | | | | | |
| | P50XX003 | 4.02 | 0.57 | 5.83 | 2.75 | 0.00 | 0.00 | 5.49 | 18.66 | | | | | | | | |
| **P55** | | | | | | | | | | | | | | | | | |
| | P55GF001 | 1.67 | 0.24 | 1.51 | 0.71 | 0.00 | 0.00 | 2.54 | 6.67 | | | | | | | | |
| | P55GF002 | 2.12 | 0.30 | 1.51 | 0.71 | 0.00 | 0.00 | 3.22 | 7.86 | | | | | | | | |
| | P55GR001 | 0.30 | 0.04 | 0.15 | 0.08 | 0.00 | 0.00 | 0.26 | 0.83 | | | | | | | | |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***P55*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | P55GR002 | 0.41 | 0.05 | 0.36 | 0.20 | 0.00 | 0.00 | 0.35 | 1.37 | | | | | | | | |
| | P55GR003 | 1.40 | 0.18 | 1.82 | 1.02 | 0.00 | 0.00 | 1.20 | 5.62 | | | | | | | | |
| | P55GR004 | 1.90 | 0.25 | 4.37 | 2.44 | 0.00 | 0.00 | 1.63 | 10.59 | | | | | | | | |
| | P55WC001 | 0.05 | 0.01 | 0.07 | 0.04 | 0.00 | 0.00 | 0.05 | 0.22 | | | | | | | | |
| | P55WC002 | 0.09 | 0.01 | 0.07 | 0.04 | 0.00 | 0.00 | 0.08 | 0.29 | | | | | | | | |
| **P60** | | | | | | | | | | | | | | | | | |
| | P60GF003 | 1.72 | 0.25 | 2.19 | 1.03 | 0.04 | 0.01 | 2.36 | 7.60 | | | | | | | | |
| | P60GF004 | 2.21 | 0.32 | 4.18 | 1.97 | 0.04 | 0.01 | 3.03 | 11.76 | | | | | | | | |
| | P60GF005 | 2.70 | 0.39 | 5.69 | 2.68 | 0.04 | 0.01 | 3.69 | 15.20 | | | | | | | | |
| | P60GF006 | 3.10 | 0.45 | 7.54 | 3.55 | 0.07 | 0.01 | 4.25 | 18.97 | | | | | | | | |
| | P60GF008 | 1.75 | 0.25 | 2.19 | 1.03 | 0.04 | 0.01 | 2.40 | 7.67 | | | | | | | | |
| | P60GR001 | 2.02 | 0.29 | 3.22 | 1.52 | 0.04 | 0.01 | 2.77 | 9.87 | | | | | | | | |
| | P60GR002 | 2.22 | 0.32 | 15.00 | 5.95 | 0.04 | 0.01 | 3.05 | 26.59 | | | | | | | | |
| | P60HO002 | 0.08 | 0.01 | 0.52 | 0.21 | 0.00 | 0.00 | 0.11 | 0.93 | | | | | | | | |
| | P60HO003 | 0.14 | 0.02 | 1.19 | 0.47 | 0.00 | 0.00 | 0.19 | 2.01 | | | | | | | | |
| | P60WC001 | 0.06 | 0.01 | 0.59 | 0.23 | 0.00 | 0.00 | 0.08 | 0.97 | | | | | | | | |
| | P60WC002 | 0.07 | 0.01 | 0.89 | 0.35 | 0.00 | 0.00 | 0.10 | 1.42 | | | | | | | | |
| **P65** | | | | | | | | | | | | | | | | | |
| | P65GR001 | 0.22 | 0.03 | 0.74 | 0.29 | 0.03 | 0.01 | 0.27 | 1.59 | | | | | | | | |
| | P65GR002 | 0.29 | 0.04 | 0.22 | 0.09 | 0.03 | 0.01 | 0.35 | 1.03 | | | | | | | | |
| | P65GR003 | 0.76 | 0.11 | 0.45 | 0.18 | 0.03 | 0.01 | 0.93 | 2.47 | | | | | | | | |
| | P65HO001 | 0.13 | 0.02 | 0.52 | 0.21 | 0.00 | 0.00 | 0.18 | 1.06 | | | | | | | | |
| | P65HO002 | 0.14 | 0.02 | 0.52 | 0.21 | 0.00 | 0.00 | 0.19 | 1.08 | | | | | | | | |
| | P65WC001 | 0.17 | 0.02 | 0.59 | 0.23 | 0.00 | 0.00 | 0.21 | 1.22 | | | | | | | | |
| | P65WC002 | 0.18 | 0.03 | 0.59 | 0.23 | 0.00 | 0.00 | 0.22 | 1.25 | | | | | | | | |
| **P70** | | | | | | | | | | | | | | | | | |
| | P70XX001 | 0.27 | 0.04 | 0.30 | 0.12 | 0.00 | 0.00 | 0.35 | 1.08 | | | | | | | | |
| | P70XX002 | 0.71 | 0.11 | 0.89 | 0.35 | 0.00 | 0.00 | 0.92 | 2.98 | | | | | | | | |
| **R10** | | | | | | | | | | | | | | | | | |
| | R10CA001 | 0.58 | 0.08 | 0.00 | 0.08 | 0.00 | 0.00 | 0.78 | 1.52 | 0.71 | 0.08 | 0.00 | 0.08 | 0.00 | 0.00 | 1.07 | 1.94 |
| | R10CA003 | 0.58 | 0.08 | 0.00 | 0.08 | 0.00 | 0.00 | 0.78 | 1.52 | 0.71 | 0.08 | 0.00 | 0.08 | 0.00 | 0.00 | 1.07 | 1.94 |
| | R10CA005 | 0.58 | 0.08 | 0.00 | 0.08 | 0.00 | 0.00 | 0.78 | 1.52 | 0.71 | 0.08 | 0.00 | 0.08 | 0.00 | 0.00 | 1.07 | 1.94 |
| | R10CA006 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.05 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.07 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***R10*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | R10CA007 | 1.66 | 0.24 | 0.00 | 0.08 | 0.00 | 0.00 | 2.26 | 4.24 | 2.05 | 0.24 | 0.00 | 0.08 | 0.00 | 0.00 | 3.09 | 5.46 |
| | R10CA009 | 2.78 | 0.40 | 0.00 | 0.08 | 0.00 | 0.00 | 3.77 | 7.03 | 3.42 | 0.41 | 0.00 | 0.08 | 0.00 | 0.00 | 5.16 | 9.07 |
| | R10CA010 | 0.18 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.45 | 0.22 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.58 |
| | R10CA011 | 3.07 | 0.44 | 0.00 | 0.10 | 0.00 | 0.00 | 4.17 | 7.78 | 3.78 | 0.45 | 0.00 | 0.10 | 0.00 | 0.00 | 5.70 | 10.03 |
| | R10CA012 | 3.86 | 0.55 | 0.00 | 0.10 | 0.00 | 0.00 | 5.24 | 9.75 | 4.75 | 0.56 | 0.00 | 0.10 | 0.00 | 0.00 | 7.17 | 12.58 |
| | R10CA013 | 0.36 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.91 | 0.45 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 1.18 |
| | R10CA014 | 3.98 | 0.57 | 0.00 | 0.16 | 0.00 | 0.00 | 5.41 | 10.12 | 4.90 | 0.58 | 0.00 | 0.16 | 0.00 | 0.00 | 7.39 | 13.03 |
| | R10CA015 | 4.78 | 0.68 | 0.00 | 0.16 | 0.00 | 0.00 | 6.48 | 12.10 | 5.88 | 0.70 | 0.00 | 0.16 | 0.00 | 0.00 | 8.86 | 15.60 |
| | R10CA016 | 0.36 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.91 | 0.45 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 1.18 |
| | R10CA017 | 6.84 | 0.97 | 0.00 | 0.21 | 0.00 | 0.00 | 9.29 | 17.31 | 8.42 | 1.00 | 0.00 | 0.21 | 0.00 | 0.00 | 12.69 | 22.32 |
| | R10CA018 | 8.45 | 1.20 | 0.00 | 0.22 | 0.00 | 0.00 | 11.47 | 21.34 | 10.40 | 1.23 | 0.00 | 0.22 | 0.00 | 0.00 | 15.68 | 27.53 |
| | R10CA019 | 0.60 | 0.09 | 0.00 | 0.24 | 0.00 | 0.00 | 0.82 | 1.75 | 0.74 | 0.09 | 0.00 | 0.24 | 0.00 | 0.00 | 1.12 | 2.19 |
| | R10CA020 | 7.32 | 1.04 | 0.00 | 0.23 | 0.00 | 0.00 | 9.93 | 18.52 | 9.01 | 1.07 | 0.00 | 0.23 | 0.00 | 0.00 | 13.58 | 23.89 |
| | R10CA021 | 8.74 | 1.24 | 0.00 | 0.25 | 0.00 | 0.00 | 11.86 | 22.09 | 10.76 | 1.28 | 0.00 | 0.25 | 0.00 | 0.00 | 16.21 | 28.50 |
| **R15** | | | | | | | | | | | | | | | | | |
| | R15SO001 | 7.79 | 1.56 | 0.00 | 0.40 | 1.57 | 0.28 | 8.65 | 20.25 | | | | | | | | |
| | R15SO002 | 7.95 | 1.72 | 0.00 | 0.45 | 2.57 | 0.45 | 8.99 | 22.13 | | | | | | | | |
| | R15SO003 | 12.03 | 2.43 | 0.00 | 0.67 | 2.57 | 0.45 | 13.39 | 31.54 | | | | | | | | |
| **R20** | | | | | | | | | | | | | | | | | |
| | R20RI001 | 1.46 | 0.25 | 0.00 | 0.25 | 0.00 | 0.00 | 1.80 | 3.76 | | | | | | | | |
| | R20RI002 | 1.96 | 0.34 | 0.00 | 0.25 | 0.00 | 0.00 | 2.41 | 4.96 | | | | | | | | |
| | R20SO001 | 4.95 | 0.86 | 0.00 | 0.25 | 0.00 | 0.00 | 6.10 | 12.16 | | | | | | | | |
| **R30** | | | | | | | | | | | | | | | | | |
| | R30BO003 | 11.05 | 1.49 | 6.17 | 1.84 | 0.91 | 0.16 | 11.27 | 32.89 | | | | | | | | |
| | R30BO004 | 7.05 | 0.98 | 4.89 | 1.46 | 1.01 | 0.18 | 7.22 | 22.79 | | | | | | | | |
| | R30BO005 | 5.37 | 0.85 | 3.05 | 0.91 | 0.00 | 0.00 | 6.23 | 16.41 | | | | | | | | |
| | R30BO006 | 6.64 | 1.05 | 4.89 | 1.46 | 0.00 | 0.00 | 7.70 | 21.74 | | | | | | | | |
| | R30BO007 | 6.25 | 0.99 | 4.28 | 1.27 | 0.00 | 0.00 | 7.24 | 20.03 | | | | | | | | |
| | R30BO008 | 34.03 | 6.96 | 21.81 | 6.49 | 0.00 | 0.00 | 41.90 | 111.19 | | | | | | | | |
| | R30BO009 | 30.73 | 6.29 | 20.65 | 6.15 | 0.00 | 0.00 | 37.84 | 101.66 | | | | | | | | |
| | R30CA003 | 19.95 | 4.08 | 13.44 | 4.00 | 0.00 | 0.00 | 24.56 | 66.03 | | | | | | | | |
| | R30CA006 | 30.10 | 6.16 | 19.24 | 5.73 | 0.00 | 0.00 | 37.06 | 98.29 | | | | | | | | |
| | R30CA009 | 41.28 | 8.45 | 28.90 | 8.60 | 0.00 | 0.00 | 50.82 | 138.05 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***R30*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | R30CA010 | 6.98 | 0.93 | 4.28 | 1.27 | 0.47 | 0.08 | 7.11 | 21.12 | | | | | | | | |
| | R30CA011 | 8.56 | 1.14 | 6.41 | 1.91 | 0.44 | 0.08 | 8.71 | 27.25 | | | | | | | | |
| | R30CA012 | 20.81 | 4.26 | 13.44 | 4.00 | 0.00 | 0.00 | 25.62 | 68.13 | | | | | | | | |
| | R30CA013 | 32.56 | 6.66 | 19.24 | 5.73 | 0.00 | 0.00 | 40.09 | 104.28 | | | | | | | | |
| | R30CA014 | 13.53 | 1.85 | 6.41 | 1.91 | 1.57 | 0.28 | 13.83 | 39.38 | | | | | | | | |
| | R30RS001 | 0.72 | 0.11 | 1.72 | 0.51 | 0.00 | 0.00 | 0.84 | 3.90 | | | | | | | | |
| | R30RS002 | 0.94 | 0.15 | 2.64 | 0.79 | 0.00 | 0.00 | 1.09 | 5.61 | | | | | | | | |
| | R30RS003 | 5.42 | 0.73 | 5.19 | 1.54 | 0.36 | 0.06 | 5.52 | 18.82 | | | | | | | | |
| | R30SI002 | 9.14 | 1.25 | 5.56 | 1.65 | 1.09 | 0.19 | 9.34 | 28.22 | | | | | | | | |
| | R30SI003 | 11.49 | 1.56 | 5.80 | 1.73 | 1.09 | 0.19 | 11.73 | 33.59 | | | | | | | | |
| | R30SI004 | 15.46 | 2.07 | 6.60 | 1.96 | 0.92 | 0.16 | 15.75 | 42.92 | | | | | | | | |
| | R30SI005 | 9.46 | 1.49 | 4.58 | 1.36 | 0.00 | 0.00 | 10.96 | 27.85 | | | | | | | | |
| **R40** | | | | | | | | | | | | | | | | | |
| | R40SO001 | 8.64 | 1.23 | 3.43 | 1.36 | 0.00 | 0.00 | 10.63 | 25.29 | | | | | | | | |
| | R40SO002 | 11.32 | 1.61 | 5.14 | 2.04 | 0.00 | 0.00 | 13.94 | 34.05 | | | | | | | | |
| | R40SO003 | 8.31 | 1.18 | 3.43 | 1.36 | 0.00 | 0.00 | 10.23 | 24.51 | | | | | | | | |
| | R40SO004 | 8.27 | 1.18 | 5.14 | 2.04 | 0.00 | 0.00 | 10.18 | 26.81 | | | | | | | | |
| **R45** | | | | | | | | | | | | | | | | | |
| | R45BO004 | 4.56 | 0.65 | 2.26 | 0.90 | 0.00 | 0.00 | 7.72 | 16.09 | | | | | | | | |
| | R45BO005 | 5.70 | 0.81 | 3.15 | 1.25 | 0.00 | 0.00 | 9.65 | 20.56 | | | | | | | | |
| | R45BO006 | 11.06 | 1.57 | 5.07 | 2.01 | 0.00 | 0.00 | 18.72 | 38.43 | | | | | | | | |
| | R45BO007 | 13.45 | 1.91 | 7.75 | 3.08 | 0.00 | 0.00 | 22.76 | 48.95 | | | | | | | | |
| | R45BO008 | 14.24 | 2.03 | 7.75 | 3.08 | 0.00 | 0.00 | 24.09 | 51.19 | | | | | | | | |
| | R45CA001 | 3.88 | 0.55 | 2.54 | 1.01 | 0.00 | 0.00 | 6.56 | 14.54 | | | | | | | | |
| | R45CA002 | 4.52 | 0.64 | 2.54 | 1.01 | 0.00 | 0.00 | 7.65 | 16.36 | | | | | | | | |
| | R45CA005 | 11.20 | 1.59 | 4.80 | 1.90 | 0.00 | 0.00 | 18.96 | 38.45 | | | | | | | | |
| | R45CA007 | 13.95 | 1.98 | 7.33 | 2.91 | 0.00 | 0.00 | 23.61 | 49.78 | | | | | | | | |
| | R45CA009 | 18.00 | 2.60 | 9.94 | 3.94 | 0.68 | 0.12 | 30.57 | 65.85 | | | | | | | | |
| | R45CA010 | 16.69 | 2.37 | 9.94 | 3.94 | 0.00 | 0.00 | 28.25 | 61.19 | | | | | | | | |
| | R45RS001 | 1.35 | 0.19 | 2.97 | 1.18 | 0.00 | 0.00 | 2.28 | 7.97 | | | | | | | | |
| | R45SI007 | 3.20 | 0.45 | 0.96 | 0.38 | 0.00 | 0.00 | 5.41 | 10.40 | | | | | | | | |
| | R45SI008 | 4.79 | 0.68 | 1.92 | 0.76 | 0.00 | 0.00 | 8.10 | 16.25 | | | | | | | | |
| | R45SI009 | 9.23 | 1.31 | 2.54 | 1.01 | 0.00 | 0.00 | 15.62 | 29.71 | | | | | | | | |
| | R45SI010 | 12.70 | 1.81 | 8.29 | 3.29 | 0.00 | 0.00 | 21.49 | 47.58 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| **R50** | | | | | | | | | | | | | | | | | |
| | R50BO005 | 3.92 | 0.64 | 1.87 | 0.74 | 0.47 | 0.08 | 6.51 | 14.23 | | | | | | | | |
| | R50BO006 | 6.90 | 1.08 | 2.66 | 1.06 | 0.10 | 0.02 | 11.33 | 23.15 | | | | | | | | |
| | R50BO007 | 9.84 | 1.55 | 3.79 | 1.50 | 0.24 | 0.04 | 16.20 | 33.16 | | | | | | | | |
| | R50BO008 | 12.59 | 2.00 | 9.10 | 3.61 | 0.47 | 0.08 | 20.75 | 48.60 | | | | | | | | |
| | R50BO009 | 18.98 | 2.99 | 8.90 | 3.53 | 0.47 | 0.08 | 31.24 | 66.19 | | | | | | | | |
| | R50BO010 | 4.51 | 0.71 | 1.87 | 0.74 | 0.10 | 0.02 | 7.43 | 15.38 | | | | | | | | |
| | R50BO011 | 7.40 | 1.16 | 2.66 | 1.06 | 0.10 | 0.02 | 12.16 | 24.56 | | | | | | | | |
| | R50BO012 | 11.14 | 1.75 | 3.79 | 1.50 | 0.24 | 0.04 | 18.33 | 36.79 | | | | | | | | |
| | R50BO013 | 13.89 | 2.20 | 9.10 | 3.61 | 0.47 | 0.08 | 22.87 | 52.22 | | | | | | | | |
| | R50CA001 | 6.83 | 1.08 | 3.44 | 1.37 | 0.17 | 0.03 | 11.24 | 24.16 | | | | | | | | |
| | R50CA002 | 7.88 | 1.24 | 3.44 | 1.37 | 0.17 | 0.03 | 12.96 | 27.09 | | | | | | | | |
| | R50CA003 | 8.32 | 1.32 | 5.16 | 2.05 | 0.28 | 0.05 | 13.70 | 30.88 | | | | | | | | |
| | R50CA004 | 10.68 | 1.68 | 5.16 | 2.05 | 0.28 | 0.05 | 17.57 | 37.47 | | | | | | | | |
| | R50CA005 | 9.65 | 1.52 | 5.16 | 2.05 | 0.28 | 0.05 | 15.89 | 34.60 | | | | | | | | |
| | R50CA009 | 12.22 | 1.95 | 7.52 | 2.98 | 0.68 | 0.12 | 20.17 | 45.64 | | | | | | | | |
| | R50CA011 | 15.36 | 2.44 | 7.13 | 2.83 | 0.68 | 0.12 | 25.32 | 53.88 | | | | | | | | |
| | R50CA012 | 14.44 | 2.30 | 7.52 | 2.98 | 0.68 | 0.12 | 23.82 | 51.86 | | | | | | | | |
| | R50IP001 | 7.23 | 1.14 | 3.74 | 1.48 | 0.21 | 0.04 | 11.91 | 25.75 | | | | | | | | |
| | R50SI006 | 6.30 | 1.00 | 3.00 | 1.19 | 0.33 | 0.06 | 10.40 | 22.28 | | | | | | | | |
| | R50SI007 | 6.90 | 1.10 | 2.80 | 1.11 | 0.33 | 0.06 | 11.38 | 23.68 | | | | | | | | |
| | R50SI013 | 10.24 | 1.63 | 6.79 | 2.69 | 0.47 | 0.08 | 16.89 | 38.79 | | | | | | | | |
| | R50SI016 | 11.02 | 1.75 | 5.80 | 2.30 | 0.47 | 0.08 | 18.17 | 39.59 | | | | | | | | |
| | R50SI017 | 12.62 | 2.00 | 5.80 | 2.30 | 0.47 | 0.08 | 20.80 | 44.07 | | | | | | | | |
| | R50SI022 | 8.80 | 1.39 | 6.79 | 2.69 | 0.27 | 0.05 | 14.49 | 34.48 | | | | | | | | |
| | R50SI023 | 9.93 | 1.57 | 4.03 | 1.60 | 0.27 | 0.05 | 16.34 | 33.79 | | | | | | | | |
| | R50SI024 | 2.95 | 0.47 | 1.38 | 0.55 | 0.18 | 0.03 | 4.87 | 10.43 | | | | | | | | |
| | R50SI025 | 5.69 | 0.90 | 1.48 | 0.59 | 0.18 | 0.03 | 9.37 | 18.24 | | | | | | | | |
| | R50SI026 | 11.37 | 1.79 | 5.11 | 2.03 | 0.18 | 0.03 | 18.69 | 39.20 | | | | | | | | |
| | R50SI027 | 16.84 | 2.64 | 4.23 | 1.68 | 0.18 | 0.03 | 27.67 | 53.27 | | | | | | | | |
| **R55** | | | | | | | | | | | | | | | | | |
| | R55AE001 | 0.90 | 0.09 | 0.79 | 3.54 | 0.04 | 0.01 | 1.03 | 6.40 | | | | | | | | |
| | R55AE002 | 1.10 | 0.11 | 0.79 | 5.24 | 0.04 | 0.01 | 1.26 | 8.55 | | | | | | | | |
| | R55AE003 | 1.46 | 0.15 | 0.79 | 6.84 | 0.09 | 0.02 | 1.68 | 11.03 | | | | | | | | |
| | R55AE004 | 1.86 | 0.20 | 0.79 | 7.24 | 0.20 | 0.04 | 2.15 | 12.48 | | | | | | | | |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***R55*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | R55AE008 | 0.64 | 0.07 | 0.79 | 0.24 | 0.07 | 0.01 | 0.73 | 2.55 | | | | | | | | |
| | R55AE009 | 0.24 | 0.02 | 0.89 | 0.26 | 0.00 | 0.00 | 0.28 | 1.69 | | | | | | | | |
| | R55AE010 | 0.45 | 0.05 | 1.58 | 0.47 | 0.00 | 0.00 | 0.51 | 3.06 | | | | | | | | |
| | R55AE011 | 0.38 | 0.05 | 0.50 | 0.15 | 0.12 | 0.02 | 0.45 | 1.67 | | | | | | | | |
| | R55GL001 | 0.43 | 0.05 | 0.00 | 0.50 | 0.03 | 0.01 | 0.49 | 1.51 | | | | | | | | |
| | R55GL002 | 1.26 | 0.13 | 0.50 | 0.65 | 0.04 | 0.01 | 1.45 | 4.04 | | | | | | | | |
| | R55GL003 | 1.72 | 0.18 | 0.89 | 1.01 | 0.08 | 0.01 | 1.98 | 5.87 | | | | | | | | |
| | R55GL004 | 2.04 | 0.21 | 0.89 | 1.26 | 0.06 | 0.01 | 2.34 | 6.81 | | | | | | | | |
| | R55GL007 | 1.78 | 0.18 | 1.78 | 0.53 | 0.00 | 0.00 | 2.04 | 6.31 | | | | | | | | |
| | R55GL008 | 0.36 | 0.04 | 0.50 | 0.15 | 0.04 | 0.01 | 0.42 | 1.52 | | | | | | | | |
| | R55GL009 | 0.32 | 0.03 | 1.04 | 0.31 | 0.00 | 0.00 | 0.37 | 2.07 | | | | | | | | |
| | R55GL011 | 0.88 | 0.09 | 1.58 | 0.47 | 0.00 | 0.00 | 1.01 | 4.03 | | | | | | | | |
| | R55GL012 | 1.72 | 0.18 | 0.89 | 1.01 | 0.04 | 0.01 | 1.97 | 5.82 | | | | | | | | |
| | R55GL013 | 0.15 | 0.02 | 0.00 | 0.25 | 0.03 | 0.01 | 0.18 | 0.64 | | | | | | | | |
| | R55GL014 | 0.41 | 0.04 | 0.00 | 0.35 | 0.00 | 0.00 | 0.47 | 1.27 | | | | | | | | |
| | R55GL015 | 1.22 | 0.12 | 0.89 | 0.26 | 0.00 | 0.00 | 1.40 | 3.89 | | | | | | | | |
| | R55GL016 | 0.78 | 0.08 | 0.89 | 0.26 | 0.00 | 0.00 | 0.89 | 2.90 | | | | | | | | |
| | R55GL017 | 0.26 | 0.03 | 0.50 | 0.15 | 0.00 | 0.00 | 0.30 | 1.24 | | | | | | | | |
| | R55GL018 | 0.27 | 0.03 | 0.50 | 0.15 | 0.00 | 0.00 | 0.31 | 1.26 | | | | | | | | |
| | R55GL019 | 0.49 | 0.05 | 0.79 | 0.24 | 0.00 | 0.00 | 0.56 | 2.13 | | | | | | | | |
| **S10** | | | | | | | | | | | | | | | | | |
| | S10CA001 | 18.95 | 3.40 | 8.60 | 4.27 | 4.18 | 0.73 | 26.02 | 66.15 | 23.69 | 3.48 | 11.47 | 5.69 | 6.88 | 1.21 | 36.13 | 88.55 |
| | S10CA002 | 21.10 | 5.36 | 13.03 | 5.17 | 8.91 | 1.56 | 32.78 | 87.91 | 23.85 | 5.41 | 17.37 | 6.89 | 14.79 | 2.60 | 38.98 | 109.89 |
| | S10CA003 | 30.56 | 7.69 | 17.95 | 7.12 | 10.22 | 1.79 | 47.36 | 122.69 | 34.55 | 7.76 | 23.93 | 9.50 | 16.97 | 2.98 | 56.32 | 152.01 |
| | S10JD001 | 18.86 | 3.37 | 8.85 | 4.39 | 3.77 | 0.66 | 25.89 | 65.79 | 23.58 | 3.46 | 11.80 | 5.85 | 6.26 | 1.10 | 35.95 | 88.00 |
| | S10JD002 | 20.84 | 5.22 | 13.18 | 5.23 | 6.14 | 1.08 | 32.27 | 83.96 | 23.56 | 5.27 | 17.57 | 6.97 | 10.20 | 1.79 | 38.38 | 103.74 |
| **S15** | | | | | | | | | | | | | | | | | |
| | S15CA001 | 24.55 | 6.43 | 16.86 | 6.69 | 11.05 | 1.94 | 30.01 | 97.53 | 29.46 | 6.52 | 21.75 | 8.63 | 18.37 | 3.22 | 38.24 | 126.19 |
| | S15CA002 | 37.49 | 9.79 | 20.79 | 8.25 | 15.38 | 2.70 | 45.80 | 140.20 | 44.99 | 9.92 | 26.82 | 10.64 | 25.54 | 4.48 | 58.36 | 180.75 |
| | S15CA003 | 48.53 | 12.63 | 27.44 | 10.89 | 18.41 | 3.23 | 59.25 | 180.38 | 58.23 | 12.81 | 35.40 | 14.05 | 30.58 | 5.37 | 75.50 | 231.94 |
| **S20** | | | | | | | | | | | | | | | | | |
| | S20CA001 | 28.40 | 7.40 | 26.46 | 8.53 | 14.67 | 2.57 | 36.82 | 124.85 | 31.55 | 7.46 | 34.73 | 11.20 | 25.48 | 4.47 | 43.34 | 158.23 |
| | S20CA002 | 28.87 | 7.52 | 26.46 | 8.53 | 14.67 | 2.57 | 37.44 | 126.06 | 32.08 | 7.58 | 34.73 | 11.20 | 25.48 | 4.47 | 44.06 | 159.60 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***S20*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | S20CA003 | 47.70 | 12.35 | 33.38 | 10.76 | 20.40 | 3.58 | 61.77 | 189.94 | 52.99 | 12.45 | 43.81 | 14.13 | 35.43 | 6.22 | 72.70 | 237.73 |
| | S20CA004 | 49.76 | 12.87 | 33.38 | 10.76 | 20.40 | 3.58 | 64.43 | 195.18 | 55.29 | 12.97 | 43.81 | 14.13 | 35.43 | 6.22 | 75.83 | 243.68 |
| | S20CA005 | 59.31 | 15.24 | 45.29 | 14.60 | 18.67 | 3.28 | 76.70 | 233.09 | 65.90 | 15.36 | 59.45 | 19.17 | 32.42 | 5.69 | 90.27 | 288.26 |
| | S20CA006 | 62.53 | 16.15 | 45.29 | 14.60 | 24.42 | 4.29 | 80.94 | 248.22 | 69.48 | 16.28 | 59.45 | 19.17 | 42.42 | 7.44 | 95.27 | 309.51 |
| **S25** | | | | | | | | | | | | | | | | | |
| | S25JD001 | 2.29 | 0.53 | 0.00 | 1.50 | 1.41 | 0.25 | 2.50 | 8.48 | 2.75 | 0.54 | 0.00 | 1.50 | 1.85 | 0.32 | 3.21 | 10.17 |
| | S25JD002 | 2.84 | 0.68 | 0.00 | 1.50 | 2.12 | 0.37 | 3.11 | 10.62 | 3.41 | 0.69 | 0.00 | 1.50 | 2.78 | 0.49 | 4.00 | 12.87 |
| | S25RI001 | 2.29 | 0.50 | 0.00 | 1.50 | 0.80 | 0.14 | 2.46 | 7.69 | 2.75 | 0.51 | 0.00 | 1.50 | 1.04 | 0.18 | 3.17 | 9.15 |
| | S25RI002 | 2.61 | 0.57 | 0.00 | 1.50 | 0.80 | 0.14 | 2.81 | 8.43 | 3.14 | 0.58 | 0.00 | 1.50 | 1.04 | 0.18 | 3.61 | 10.05 |
| | S25RM001 | 7.25 | 1.63 | 0.00 | 1.50 | 3.90 | 0.68 | 7.83 | 22.79 | 8.70 | 1.66 | 0.00 | 1.50 | 5.09 | 0.89 | 10.08 | 27.92 |
| | S25RM002 | 8.10 | 1.84 | 0.00 | 1.50 | 4.92 | 0.86 | 8.77 | 25.99 | 9.71 | 1.87 | 0.00 | 1.50 | 6.42 | 1.13 | 11.28 | 31.91 |
| | S25RM003 | 5.52 | 1.30 | 0.00 | 1.50 | 4.61 | 0.81 | 6.03 | 19.77 | 6.62 | 1.32 | 0.00 | 1.50 | 6.02 | 1.06 | 7.75 | 24.27 |
| **S30** | | | | | | | | | | | | | | | | | |
| | S30HW001 | 9.89 | 3.40 | 13.16 | 7.34 | 1.30 | 0.23 | 13.38 | 48.70 | 16.49 | 3.52 | 15.80 | 10.67 | 1.30 | 0.23 | 27.88 | 75.89 |
| | S30HW002 | 13.36 | 4.58 | 18.43 | 10.29 | 1.71 | 0.30 | 18.07 | 66.74 | 22.27 | 4.74 | 22.11 | 14.93 | 1.71 | 0.30 | 37.65 | 103.71 |
| | S30HW005 | 5.33 | 1.84 | 2.11 | 1.18 | 0.79 | 0.14 | 4.69 | 16.08 | 8.89 | 1.90 | 2.53 | 1.71 | 0.79 | 0.14 | 10.22 | 26.18 |
| | S30HW006 | 8.97 | 3.06 | 5.27 | 2.94 | 0.83 | 0.15 | 7.88 | 29.10 | 14.95 | 3.17 | 6.32 | 4.27 | 0.83 | 0.15 | 17.17 | 46.86 |
| | S30HW007 | 9.76 | 3.33 | 6.58 | 3.67 | 0.83 | 0.15 | 8.57 | 32.89 | 16.27 | 3.44 | 7.90 | 5.33 | 0.83 | 0.15 | 18.69 | 52.61 |
| | S30HW008 | 10.21 | 3.48 | 6.58 | 3.67 | 0.83 | 0.15 | 8.96 | 33.88 | 17.02 | 3.60 | 7.90 | 5.33 | 0.83 | 0.15 | 19.54 | 54.37 |
| | S30HW009 | 10.52 | 3.60 | 7.90 | 4.41 | 1.25 | 0.22 | 9.24 | 37.14 | 17.53 | 3.73 | 9.48 | 6.40 | 1.25 | 0.22 | 20.14 | 58.75 |
| | S30HW010 | 12.86 | 4.39 | 10.53 | 5.88 | 1.35 | 0.24 | 11.29 | 46.54 | 21.43 | 4.55 | 12.64 | 8.53 | 1.35 | 0.24 | 24.61 | 73.35 |
| | S30HW011 | 12.57 | 4.31 | 10.53 | 5.88 | 1.53 | 0.27 | 11.04 | 46.13 | 20.95 | 4.46 | 12.64 | 8.53 | 1.53 | 0.27 | 24.08 | 72.46 |
| | S30HW012 | 14.89 | 5.09 | 10.53 | 5.88 | 1.71 | 0.30 | 13.08 | 51.48 | 24.81 | 5.27 | 12.64 | 8.53 | 1.71 | 0.30 | 28.51 | 81.77 |
| | S30HW013 | 12.00 | 4.10 | 23.69 | 13.22 | 1.27 | 0.22 | 16.22 | 70.72 | 20.00 | 4.25 | 28.43 | 19.19 | 1.27 | 0.22 | 33.80 | 107.16 |
| | S30HW014 | 9.72 | 1.43 | 0.79 | 0.44 | 0.48 | 0.08 | 10.52 | 23.46 | 12.15 | 1.48 | 0.95 | 0.64 | 0.48 | 0.08 | 16.42 | 32.20 |
| | S30HW015 | 10.68 | 1.57 | 1.32 | 0.74 | 0.48 | 0.08 | 11.56 | 26.43 | 13.35 | 1.62 | 1.58 | 1.07 | 0.48 | 0.08 | 18.05 | 36.23 |
| | S30HW016 | 10.11 | 1.49 | 1.05 | 0.59 | 0.48 | 0.08 | 10.94 | 24.74 | 12.64 | 1.54 | 1.26 | 0.85 | 0.48 | 0.08 | 17.08 | 33.93 |
| | S30HW017 | 10.86 | 1.60 | 1.32 | 0.74 | 0.48 | 0.08 | 11.75 | 26.83 | 13.58 | 1.65 | 1.58 | 1.07 | 0.48 | 0.08 | 18.35 | 36.79 |
| | S30HW018 | 12.74 | 1.90 | 2.11 | 1.18 | 1.00 | 0.18 | 13.80 | 32.91 | 15.92 | 1.96 | 2.53 | 1.71 | 1.00 | 0.18 | 21.55 | 44.85 |
| | S30KB001 | 2.46 | 0.37 | 0.79 | 0.44 | 0.27 | 0.05 | 2.33 | 6.71 | 3.07 | 0.38 | 0.95 | 0.64 | 0.27 | 0.05 | 3.54 | 8.90 |
| | S30KB002 | 2.68 | 0.41 | 0.79 | 0.44 | 0.36 | 0.06 | 2.54 | 7.28 | 3.35 | 0.42 | 0.95 | 0.64 | 0.36 | 0.06 | 3.86 | 9.64 |
| | S30KB003 | 2.61 | 0.39 | 1.32 | 0.74 | 0.29 | 0.05 | 2.48 | 7.88 | 3.26 | 0.41 | 1.58 | 1.07 | 0.29 | 0.05 | 3.76 | 10.42 |
| | S30KB004 | 2.98 | 0.45 | 1.32 | 0.74 | 0.40 | 0.07 | 2.83 | 8.79 | 3.72 | 0.47 | 1.58 | 1.07 | 0.40 | 0.07 | 4.29 | 11.60 |
| | S30KB005 | 3.09 | 0.47 | 1.58 | 0.88 | 0.42 | 0.07 | 2.94 | 9.45 | 3.86 | 0.48 | 1.90 | 1.28 | 0.42 | 0.07 | 4.46 | 12.47 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***S30*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | S30KB006 | 3.62 | 0.55 | 2.11 | 1.18 | 0.44 | 0.08 | 3.44 | 11.42 | 4.53 | 0.56 | 2.53 | 1.71 | 0.44 | 0.08 | 5.22 | 15.07 |
| | S30KB007 | 2.48 | 0.41 | 0.79 | 0.44 | 0.79 | 0.14 | 2.38 | 7.43 | 3.10 | 0.42 | 0.95 | 0.64 | 0.79 | 0.14 | 3.61 | 9.65 |
| | S30KB008 | 2.99 | 0.49 | 0.79 | 0.44 | 0.82 | 0.14 | 2.86 | 8.53 | 3.73 | 0.50 | 0.95 | 0.64 | 0.82 | 0.14 | 4.34 | 11.12 |
| | S30KB009 | 3.17 | 0.52 | 1.05 | 0.59 | 0.93 | 0.16 | 3.04 | 9.46 | 3.97 | 0.53 | 1.26 | 0.85 | 0.93 | 0.16 | 4.61 | 12.31 |
| | S30KB010 | 2.61 | 0.43 | 1.32 | 0.74 | 0.90 | 0.16 | 2.50 | 8.66 | 3.26 | 0.45 | 1.58 | 1.07 | 0.90 | 0.16 | 3.79 | 11.21 |
| | S30KB011 | 3.27 | 0.53 | 1.32 | 0.74 | 0.94 | 0.16 | 3.13 | 10.09 | 4.08 | 0.55 | 1.58 | 1.07 | 0.94 | 0.16 | 4.74 | 13.12 |
| | S30KB012 | 3.88 | 0.62 | 1.58 | 0.88 | 0.99 | 0.17 | 3.70 | 11.82 | 4.84 | 0.64 | 1.90 | 1.28 | 0.99 | 0.17 | 5.62 | 15.44 |
| | S30KB013 | 3.12 | 0.51 | 1.58 | 0.88 | 0.94 | 0.16 | 2.98 | 10.17 | 3.90 | 0.53 | 1.90 | 1.28 | 0.94 | 0.16 | 4.53 | 13.24 |
| | S30KB014 | 3.91 | 0.63 | 2.11 | 1.18 | 0.99 | 0.17 | 3.74 | 12.73 | 4.89 | 0.65 | 2.53 | 1.71 | 0.99 | 0.17 | 5.67 | 16.61 |
| | S30KB015 | 4.78 | 0.76 | 2.63 | 1.47 | 1.04 | 0.18 | 4.56 | 15.42 | 5.98 | 0.78 | 3.16 | 2.13 | 1.04 | 0.18 | 6.92 | 20.19 |
| | S30KB018 | 7.39 | 1.10 | 1.32 | 0.74 | 0.54 | 0.09 | 7.00 | 18.18 | 9.23 | 1.13 | 1.58 | 1.07 | 0.54 | 0.09 | 10.62 | 24.26 |
| | S30KB021 | 8.70 | 1.29 | 2.11 | 1.18 | 0.61 | 0.11 | 8.24 | 22.24 | 10.87 | 1.33 | 2.53 | 1.71 | 0.61 | 0.11 | 12.50 | 29.66 |
| | S30KB024 | 10.22 | 1.51 | 3.16 | 1.76 | 0.68 | 0.12 | 9.68 | 27.13 | 12.78 | 1.56 | 3.79 | 2.56 | 0.68 | 0.12 | 14.69 | 36.18 |
| | S30KB025 | 5.16 | 0.78 | 1.05 | 0.59 | 0.56 | 0.10 | 4.89 | 13.13 | 6.45 | 0.80 | 1.26 | 0.85 | 0.56 | 0.10 | 7.43 | 17.45 |
| | S30KB026 | 6.17 | 0.93 | 1.05 | 0.59 | 0.59 | 0.10 | 5.85 | 15.28 | 7.71 | 0.96 | 1.26 | 0.85 | 0.59 | 0.10 | 8.88 | 20.35 |
| | S30KB027 | 7.90 | 1.17 | 1.32 | 0.74 | 0.54 | 0.09 | 7.49 | 19.25 | 9.88 | 1.21 | 1.58 | 1.07 | 0.54 | 0.09 | 11.36 | 25.73 |
| | S30KB028 | 5.35 | 0.81 | 1.58 | 0.88 | 0.60 | 0.11 | 5.08 | 14.41 | 6.69 | 0.83 | 1.90 | 1.28 | 0.60 | 0.11 | 7.70 | 19.11 |
| | S30KB029 | 7.28 | 1.09 | 1.58 | 0.88 | 0.64 | 0.11 | 6.91 | 18.49 | 9.11 | 1.12 | 1.90 | 1.28 | 0.64 | 0.11 | 10.48 | 24.64 |
| | S30KB030 | 9.33 | 1.38 | 2.11 | 1.18 | 0.61 | 0.11 | 8.84 | 23.56 | 11.66 | 1.42 | 2.53 | 1.71 | 0.61 | 0.11 | 13.41 | 31.45 |
| | S30KB031 | 7.71 | 1.15 | 2.63 | 1.47 | 0.64 | 0.11 | 7.31 | 21.02 | 9.64 | 1.19 | 3.16 | 2.13 | 0.64 | 0.11 | 11.09 | 27.96 |
| | S30KB032 | 9.33 | 1.39 | 2.63 | 1.47 | 0.70 | 0.12 | 8.84 | 24.48 | 11.66 | 1.43 | 3.16 | 2.13 | 0.70 | 0.12 | 13.41 | 32.61 |
| | S30KB033 | 10.97 | 1.62 | 3.16 | 1.76 | 0.68 | 0.12 | 10.38 | 28.69 | 13.71 | 1.67 | 3.79 | 2.56 | 0.68 | 0.12 | 15.75 | 38.28 |
| | S30KB034 | 3.85 | 0.58 | 0.79 | 0.44 | 0.40 | 0.07 | 3.65 | 9.78 | 4.81 | 0.60 | 0.95 | 0.64 | 0.40 | 0.07 | 5.53 | 13.00 |
| | S30KB035 | 4.18 | 0.64 | 1.05 | 0.59 | 0.66 | 0.12 | 3.98 | 11.22 | 5.23 | 0.66 | 1.26 | 0.85 | 0.66 | 0.12 | 6.03 | 14.81 |
| | S30KB036 | 4.13 | 0.62 | 1.05 | 0.59 | 0.44 | 0.08 | 3.92 | 10.83 | 5.16 | 0.64 | 1.26 | 0.85 | 0.44 | 0.08 | 5.94 | 14.37 |
| | S30KB041 | 4.54 | 0.70 | 1.32 | 0.74 | 0.72 | 0.13 | 4.32 | 12.47 | 5.68 | 0.72 | 1.58 | 1.07 | 0.72 | 0.13 | 6.55 | 16.45 |
| | S30KB042 | 5.32 | 0.79 | 1.32 | 0.74 | 0.36 | 0.06 | 5.04 | 13.63 | 6.65 | 0.81 | 1.58 | 1.07 | 0.36 | 0.06 | 7.65 | 18.18 |
| | S30KB043 | 5.77 | 0.87 | 1.84 | 1.03 | 0.56 | 0.10 | 5.47 | 15.64 | 7.21 | 0.89 | 2.21 | 1.49 | 0.56 | 0.10 | 8.30 | 20.76 |
| | S30KB044 | 5.77 | 0.87 | 1.84 | 1.03 | 0.56 | 0.10 | 5.47 | 15.64 | 7.21 | 0.89 | 2.21 | 1.49 | 0.56 | 0.10 | 8.30 | 20.76 |
| | S30KB045 | 14.61 | 4.97 | 17.70 | 6.15 | 1.06 | 0.19 | 19.74 | 64.42 | 24.35 | 5.14 | 21.46 | 8.94 | 1.06 | 0.19 | 41.13 | 102.27 |
| | S30KB046 | 14.62 | 4.96 | 11.06 | 6.17 | 0.86 | 0.15 | 23.69 | 61.51 | 24.36 | 5.13 | 13.27 | 8.96 | 0.86 | 0.15 | 52.65 | 105.38 |
| | S30KB047 | 12.41 | 4.22 | 16.58 | 9.25 | 0.89 | 0.16 | 20.12 | 63.63 | 20.69 | 4.36 | 19.90 | 13.43 | 0.89 | 0.16 | 44.72 | 104.15 |
| | S30KB048 | 11.98 | 1.77 | 4.21 | 2.35 | 0.64 | 0.11 | 12.96 | 34.02 | 14.97 | 1.82 | 5.05 | 3.41 | 0.64 | 0.11 | 20.24 | 46.24 |
| | S30KB049 | 11.41 | 1.81 | 4.74 | 2.65 | 3.14 | 0.55 | 12.45 | 36.75 | 14.27 | 1.86 | 5.69 | 3.84 | 3.14 | 0.55 | 19.43 | 48.78 |
| | S30KB050 | 16.54 | 2.42 | 13.16 | 7.34 | 0.53 | 0.09 | 17.89 | 57.97 | 20.67 | 2.50 | 15.80 | 10.67 | 0.53 | 0.09 | 27.93 | 78.19 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***S30*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | S30KB051 | 21.18 | 3.09 | 13.16 | 7.34 | 0.53 | 0.09 | 22.90 | 68.29 | 26.47 | 3.19 | 15.80 | 10.67 | 0.53 | 0.09 | 35.75 | 92.50 |
| | S30KB052 | 21.25 | 3.09 | 13.16 | 7.34 | 0.35 | 0.06 | 22.97 | 68.22 | 26.56 | 3.19 | 15.80 | 10.67 | 0.35 | 0.06 | 35.86 | 92.49 |
| | S30KB053 | 5.85 | 0.87 | 1.84 | 1.03 | 0.39 | 0.07 | 5.54 | 15.59 | 7.31 | 0.89 | 2.21 | 1.49 | 0.39 | 0.07 | 8.41 | 20.77 |
| | S30KB054 | 5.24 | 0.79 | 1.32 | 0.74 | 0.53 | 0.09 | 4.97 | 13.68 | 6.54 | 0.81 | 1.58 | 1.07 | 0.53 | 0.09 | 7.54 | 18.16 |
| | S30KB055 | 10.25 | 3.49 | 8.85 | 3.07 | 0.83 | 0.15 | 9.00 | 35.64 | 17.09 | 3.61 | 10.73 | 4.47 | 0.83 | 0.15 | 19.62 | 56.50 |
| | S30KB056 | 10.56 | 3.59 | 8.85 | 3.07 | 0.83 | 0.15 | 9.27 | 36.32 | 17.60 | 3.72 | 10.73 | 4.47 | 0.83 | 0.15 | 20.21 | 57.71 |
| | S30KB057 | 11.98 | 4.07 | 10.96 | 3.81 | 0.83 | 0.15 | 10.51 | 42.31 | 19.96 | 4.21 | 13.29 | 5.54 | 0.83 | 0.15 | 22.92 | 66.90 |
| | S30KB058 | 10.43 | 3.54 | 13.16 | 7.34 | 0.70 | 0.12 | 9.15 | 44.44 | 17.38 | 3.66 | 15.80 | 10.67 | 0.70 | 0.12 | 19.95 | 68.28 |
| | S30KB059 | 16.41 | 5.57 | 15.80 | 8.82 | 1.05 | 0.18 | 14.41 | 62.24 | 27.36 | 5.76 | 18.95 | 12.79 | 1.05 | 0.18 | 31.40 | 97.49 |
| | S30PU001 | 18.79 | 2.76 | 10.57 | 3.67 | 0.96 | 0.17 | 17.78 | 54.70 | 23.49 | 2.85 | 12.81 | 5.34 | 0.96 | 0.17 | 26.98 | 72.60 |
| | S30PU002 | 27.67 | 4.08 | 17.21 | 5.98 | 1.60 | 0.28 | 26.19 | 83.01 | 34.59 | 4.20 | 20.86 | 8.69 | 1.60 | 0.28 | 39.74 | 109.96 |
| | S30PU003 | 42.15 | 6.19 | 17.21 | 5.98 | 1.89 | 0.33 | 39.87 | 113.62 | 52.69 | 6.37 | 20.86 | 8.69 | 1.89 | 0.33 | 60.51 | 151.34 |
| | S30RA002 | 4.65 | 0.68 | 1.23 | 0.43 | 0.19 | 0.03 | 5.03 | 12.24 | 5.82 | 0.71 | 1.49 | 0.62 | 0.19 | 0.03 | 7.86 | 16.72 |
| | S30RA003 | 8.68 | 1.28 | 2.41 | 0.84 | 0.38 | 0.07 | 9.39 | 23.05 | 10.85 | 1.32 | 2.92 | 1.22 | 0.38 | 0.07 | 14.66 | 31.42 |
| | S30TS001 | 3.22 | 0.48 | 0.53 | 0.30 | 0.32 | 0.06 | 3.05 | 7.96 | 4.02 | 0.50 | 0.63 | 0.43 | 0.32 | 0.06 | 4.63 | 10.59 |
| | S30TS002 | 3.57 | 0.54 | 0.79 | 0.44 | 0.39 | 0.07 | 3.39 | 9.19 | 4.47 | 0.55 | 0.95 | 0.64 | 0.39 | 0.07 | 5.14 | 12.21 |
| | S30TS003 | 3.37 | 0.51 | 0.53 | 0.30 | 0.36 | 0.06 | 3.20 | 8.33 | 4.22 | 0.52 | 0.63 | 0.43 | 0.36 | 0.06 | 4.86 | 11.08 |
| | S30TS004 | 3.79 | 0.57 | 1.05 | 0.59 | 0.45 | 0.08 | 3.59 | 10.12 | 4.74 | 0.59 | 1.26 | 0.85 | 0.45 | 0.08 | 5.46 | 13.43 |
| | S30TS005 | 3.57 | 0.54 | 1.05 | 0.59 | 0.40 | 0.07 | 3.39 | 9.61 | 4.46 | 0.55 | 1.26 | 0.85 | 0.40 | 0.07 | 5.14 | 12.73 |
| | S30TS006 | 4.06 | 0.61 | 1.05 | 0.59 | 0.51 | 0.09 | 3.85 | 10.76 | 5.08 | 0.63 | 1.26 | 0.85 | 0.51 | 0.09 | 5.85 | 14.27 |
| | S30TS007 | 3.61 | 0.55 | 1.05 | 0.59 | 0.45 | 0.08 | 3.42 | 9.75 | 4.51 | 0.56 | 1.26 | 0.85 | 0.45 | 0.08 | 5.19 | 12.90 |
| | S30TS008 | 4.18 | 0.63 | 1.32 | 0.74 | 0.57 | 0.10 | 3.97 | 11.51 | 5.22 | 0.65 | 1.58 | 1.07 | 0.57 | 0.10 | 6.02 | 15.21 |
| | S30TS009 | 9.00 | 3.02 | 15.80 | 11.82 | 0.00 | 0.00 | 12.15 | 51.79 | 15.01 | 3.13 | 18.95 | 15.79 | 0.00 | 0.00 | 25.31 | 78.19 |
| | S30TS010 | 13.35 | 4.48 | 21.06 | 15.75 | 0.00 | 0.00 | 18.01 | 72.65 | 22.26 | 4.63 | 25.27 | 21.06 | 0.00 | 0.00 | 37.54 | 110.76 |
| | S30TS011 | 22.35 | 7.50 | 42.12 | 31.51 | 0.00 | 0.00 | 30.14 | 133.62 | 37.24 | 7.76 | 50.54 | 42.12 | 0.00 | 0.00 | 62.82 | 200.48 |
| **S35** | | | | | | | | | | | | | | | | | |
| | S35AR001 | 0.28 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.66 | | | | | | | | |
| | S35AR002 | 0.42 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 0.99 | | | | | | | | |
| **S40** | | | | | | | | | | | | | | | | | |
| | S40BO002 | 24.02 | 4.18 | 19.31 | 6.71 | 0.48 | 0.08 | 30.96 | 85.74 | 30.03 | 4.29 | 25.21 | 8.75 | 0.75 | 0.13 | 43.28 | 112.44 |
| | S40BO003 | 24.46 | 4.26 | 19.31 | 6.71 | 0.48 | 0.08 | 31.52 | 86.82 | 30.58 | 4.37 | 25.21 | 8.75 | 0.75 | 0.13 | 44.07 | 113.86 |
| | S40BO004 | 23.27 | 4.05 | 19.31 | 6.71 | 0.48 | 0.08 | 29.98 | 83.88 | 29.08 | 4.16 | 25.21 | 8.75 | 0.75 | 0.13 | 41.92 | 110.00 |
| | S40CA001 | 24.74 | 4.31 | 17.97 | 6.24 | 0.48 | 0.08 | 31.89 | 85.71 | 30.93 | 4.42 | 23.46 | 8.15 | 0.75 | 0.13 | 44.58 | 112.42 |
| | S40CA002 | 22.26 | 3.93 | 17.97 | 6.24 | 1.37 | 0.24 | 28.75 | 80.76 | 27.82 | 4.03 | 23.46 | 8.15 | 2.17 | 0.38 | 40.20 | 106.21 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| **S45** | | | | | | | | | | | | | | | | | |
| | S45DA004 | 1.57 | 0.17 | 0.00 | 0.25 | 0.00 | 0.00 | 2.38 | 4.37 | | | | | | | | |
| | S45DA005 | 2.01 | 0.22 | 0.00 | 0.25 | 0.00 | 0.00 | 3.05 | 5.53 | | | | | | | | |
| | S45DA007 | 2.09 | 0.23 | 0.00 | 0.25 | 0.00 | 0.00 | 3.17 | 5.74 | | | | | | | | |
| **T10** | | | | | | | | | | | | | | | | | |
| | T10CA001 | 0.94 | 0.16 | 0.00 | 0.08 | 0.00 | 0.00 | 1.14 | 2.32 | 1.18 | 0.17 | 0.00 | 0.08 | 0.00 | 0.00 | 1.60 | 3.03 |
| | T10CA002 | 1.42 | 0.25 | 0.00 | 0.08 | 0.00 | 0.00 | 1.71 | 3.46 | 1.78 | 0.25 | 0.00 | 0.08 | 0.00 | 0.00 | 2.41 | 4.52 |
| | T10CA004 | 1.04 | 0.18 | 0.00 | 0.08 | 0.00 | 0.00 | 1.26 | 2.56 | 1.31 | 0.19 | 0.00 | 0.08 | 0.00 | 0.00 | 1.77 | 3.35 |
| | T10CA005 | 1.42 | 0.25 | 0.00 | 0.08 | 0.00 | 0.00 | 1.71 | 3.46 | 1.78 | 0.25 | 0.00 | 0.08 | 0.00 | 0.00 | 2.41 | 4.52 |
| | T10CA007 | 1.21 | 0.21 | 0.00 | 0.08 | 0.00 | 0.00 | 1.46 | 2.96 | 1.52 | 0.22 | 0.00 | 0.08 | 0.00 | 0.00 | 2.06 | 3.88 |
| | T10CA008 | 1.42 | 0.25 | 0.00 | 0.08 | 0.00 | 0.00 | 1.71 | 3.46 | 1.78 | 0.25 | 0.00 | 0.08 | 0.00 | 0.00 | 2.41 | 4.52 |
| | T10CA009 | 1.92 | 0.33 | 0.00 | 0.08 | 0.00 | 0.00 | 2.31 | 4.64 | 2.39 | 0.34 | 0.00 | 0.08 | 0.00 | 0.00 | 3.25 | 6.06 |
| | T10CA010 | 1.79 | 0.31 | 0.00 | 0.08 | 0.00 | 0.00 | 2.16 | 4.34 | 2.24 | 0.32 | 0.00 | 0.08 | 0.00 | 0.00 | 3.04 | 5.68 |
| | T10CA011 | 2.23 | 0.39 | 0.00 | 0.08 | 0.00 | 0.00 | 2.69 | 5.39 | 2.79 | 0.40 | 0.00 | 0.08 | 0.00 | 0.00 | 3.79 | 7.06 |
| | T10CA012 | 2.94 | 0.51 | 0.00 | 0.08 | 0.00 | 0.00 | 3.55 | 7.08 | 3.68 | 0.52 | 0.00 | 0.08 | 0.00 | 0.00 | 4.99 | 9.27 |
| | T10CA013 | 3.23 | 0.56 | 0.00 | 0.08 | 0.00 | 0.00 | 3.90 | 7.77 | 4.04 | 0.57 | 0.00 | 0.08 | 0.00 | 0.00 | 5.48 | 10.17 |
| | T10CA014 | 2.68 | 0.47 | 0.00 | 0.08 | 0.00 | 0.00 | 3.24 | 6.47 | 3.35 | 0.48 | 0.00 | 0.08 | 0.00 | 0.00 | 4.55 | 8.46 |
| | T10CA015 | 2.86 | 0.50 | 0.00 | 0.10 | 0.00 | 0.00 | 3.45 | 6.91 | 3.58 | 0.51 | 0.00 | 0.10 | 0.00 | 0.00 | 4.86 | 9.05 |
| | T10CA016 | 3.54 | 0.61 | 0.00 | 0.12 | 0.00 | 0.00 | 4.27 | 8.54 | 4.42 | 0.63 | 0.00 | 0.12 | 0.00 | 0.00 | 6.00 | 11.17 |
| | T10CA017 | 3.83 | 0.66 | 0.00 | 0.13 | 0.00 | 0.00 | 4.62 | 9.24 | 4.79 | 0.68 | 0.00 | 0.13 | 0.00 | 0.00 | 6.50 | 12.10 |
| | T10CA018 | 3.38 | 0.59 | 0.00 | 0.13 | 0.00 | 0.00 | 4.08 | 8.18 | 4.23 | 0.60 | 0.00 | 0.13 | 0.00 | 0.00 | 5.74 | 10.70 |
| | T10CA019 | 0.09 | 0.02 | 0.00 | 0.05 | 0.00 | 0.00 | 0.11 | 0.27 | 0.12 | 0.02 | 0.00 | 0.05 | 0.00 | 0.00 | 0.16 | 0.35 |
| | T10CA020 | 2.89 | 0.50 | 0.00 | 0.15 | 0.00 | 0.00 | 3.49 | 7.03 | 3.62 | 0.51 | 0.00 | 0.15 | 0.00 | 0.00 | 4.91 | 9.19 |
| | T10CA021 | 5.20 | 0.90 | 0.00 | 0.19 | 0.00 | 0.00 | 6.27 | 12.56 | 6.50 | 0.92 | 0.00 | 0.19 | 0.00 | 0.00 | 8.82 | 16.43 |
| | T10CA022 | 5.64 | 0.98 | 0.00 | 0.19 | 0.00 | 0.00 | 6.81 | 13.62 | 7.05 | 1.00 | 0.00 | 0.19 | 0.00 | 0.00 | 9.58 | 17.82 |
| | T10CA023 | 3.65 | 0.63 | 0.00 | 0.20 | 0.00 | 0.00 | 4.41 | 8.89 | 4.57 | 0.65 | 0.00 | 0.20 | 0.00 | 0.00 | 6.20 | 11.62 |
| | T10CA024 | 7.21 | 1.25 | 0.00 | 0.28 | 0.00 | 0.00 | 8.69 | 17.43 | 9.01 | 1.28 | 0.00 | 0.28 | 0.00 | 0.00 | 12.23 | 22.80 |
| | T10CA025 | 7.78 | 1.35 | 0.00 | 0.29 | 0.00 | 0.00 | 9.39 | 18.81 | 9.73 | 1.38 | 0.00 | 0.29 | 0.00 | 0.00 | 13.21 | 24.61 |
| | T10CA026 | 11.10 | 1.92 | 0.00 | 0.40 | 0.00 | 0.00 | 13.39 | 26.81 | 13.88 | 1.97 | 0.00 | 0.40 | 0.00 | 0.00 | 18.84 | 35.09 |
| | T10CA027 | 11.99 | 2.08 | 0.00 | 0.42 | 0.00 | 0.00 | 14.46 | 28.95 | 14.99 | 2.13 | 0.00 | 0.42 | 0.00 | 0.00 | 20.35 | 37.89 |
| | T10JD001 | 0.80 | 0.14 | 0.00 | 0.25 | 0.06 | 0.01 | 0.97 | 2.23 | 1.00 | 0.15 | 0.00 | 0.25 | 0.06 | 0.01 | 1.37 | 2.84 |
| | T10LE001 | 0.56 | 0.10 | 0.00 | 0.25 | 0.00 | 0.00 | 0.67 | 1.58 | 0.70 | 0.10 | 0.00 | 0.25 | 0.00 | 0.00 | 0.95 | 2.00 |
| | T10LE002 | 0.63 | 0.11 | 0.00 | 0.25 | 0.00 | 0.00 | 0.76 | 1.75 | 0.79 | 0.11 | 0.00 | 0.25 | 0.00 | 0.00 | 1.07 | 2.22 |
| | T10LE003 | 0.68 | 0.12 | 0.00 | 0.25 | 0.00 | 0.00 | 0.82 | 1.87 | 0.85 | 0.12 | 0.00 | 0.25 | 0.00 | 0.00 | 1.16 | 2.38 |
| | T10LE004 | 1.16 | 0.20 | 0.00 | 0.25 | 0.00 | 0.00 | 1.40 | 3.01 | 1.45 | 0.21 | 0.00 | 0.25 | 0.00 | 0.00 | 1.97 | 3.88 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***T10*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | T10LE005 | 1.30 | 0.22 | 0.00 | 0.25 | 0.00 | 0.00 | 1.56 | 3.33 | 1.62 | 0.23 | 0.00 | 0.25 | 0.00 | 0.00 | 2.20 | 4.30 |
| **T15** | | | | | | | | | | | | | | | | | |
| | T15CA002 | 6.13 | 1.29 | 3.75 | 1.67 | 0.00 | 0.00 | 11.61 | 24.45 | 7.66 | 1.32 | 4.90 | 2.19 | 0.00 | 0.00 | 16.49 | 32.56 |
| | T15CA005 | 7.19 | 1.52 | 4.29 | 1.92 | 0.00 | 0.00 | 13.64 | 28.56 | 8.99 | 1.55 | 5.60 | 2.50 | 0.00 | 0.00 | 19.37 | 38.01 |
| | T15CA008 | 12.99 | 2.74 | 7.51 | 3.35 | 0.00 | 0.00 | 24.63 | 51.22 | 16.24 | 2.79 | 9.80 | 4.38 | 0.00 | 0.00 | 34.98 | 68.19 |
| | T15CA009 | 19.52 | 4.11 | 8.85 | 3.95 | 0.00 | 0.00 | 37.01 | 73.44 | 24.40 | 4.19 | 11.55 | 5.16 | 0.00 | 0.00 | 52.57 | 97.87 |
| | T15CA011 | 17.23 | 3.63 | 9.92 | 4.43 | 0.00 | 0.00 | 32.66 | 67.87 | 21.53 | 3.70 | 12.96 | 5.79 | 0.00 | 0.00 | 46.39 | 90.37 |
| | T15CA012 | 20.35 | 4.77 | 12.34 | 4.29 | 0.00 | 0.00 | 39.29 | 81.04 | 24.23 | 4.83 | 16.11 | 5.59 | 0.00 | 0.00 | 48.72 | 99.48 |
| | T15CA014 | 24.03 | 5.63 | 12.87 | 4.47 | 0.00 | 0.00 | 46.40 | 93.40 | 28.61 | 5.71 | 16.81 | 5.84 | 0.00 | 0.00 | 57.52 | 114.49 |
| | T15CA016 | 24.44 | 5.73 | 16.36 | 5.68 | 0.00 | 0.00 | 47.18 | 99.39 | 29.09 | 5.80 | 21.36 | 7.42 | 0.00 | 0.00 | 58.50 | 122.17 |
| | T15CA017 | 33.67 | 7.89 | 21.72 | 7.54 | 0.00 | 0.00 | 65.01 | 135.83 | 40.09 | 8.00 | 28.36 | 9.85 | 0.00 | 0.00 | 80.60 | 166.90 |
| | T15CA018 | 38.42 | 9.66 | 26.33 | 7.84 | 0.00 | 0.00 | 69.54 | 151.79 | 46.10 | 9.80 | 33.97 | 10.11 | 0.00 | 0.00 | 93.82 | 193.80 |
| | T15CA019 | 69.12 | 17.38 | 39.26 | 11.69 | 0.00 | 0.00 | 125.11 | 262.56 | 82.94 | 17.63 | 50.66 | 15.08 | 0.00 | 0.00 | 168.79 | 335.10 |
| | T15CA020 | 6.35 | 1.34 | 4.29 | 1.92 | 0.00 | 0.00 | 12.04 | 25.94 | 7.94 | 1.37 | 5.60 | 2.50 | 0.00 | 0.00 | 17.11 | 34.52 |
| | T15CA021 | 7.30 | 1.54 | 4.83 | 2.16 | 0.00 | 0.00 | 13.83 | 29.66 | 9.12 | 1.57 | 6.30 | 2.81 | 0.00 | 0.00 | 19.65 | 39.45 |
| | T15CA022 | 7.95 | 1.67 | 4.83 | 2.16 | 0.00 | 0.00 | 15.07 | 31.68 | 9.94 | 1.71 | 6.30 | 2.81 | 0.00 | 0.00 | 21.40 | 42.16 |
| | T15CA023 | 14.51 | 3.06 | 8.85 | 3.95 | 0.00 | 0.00 | 27.50 | 57.87 | 18.13 | 3.12 | 11.55 | 5.16 | 0.00 | 0.00 | 39.06 | 77.02 |
| | T15CA024 | 10.08 | 2.12 | 5.36 | 2.39 | 0.00 | 0.00 | 19.11 | 39.06 | 12.60 | 2.17 | 7.00 | 3.13 | 0.00 | 0.00 | 27.15 | 52.05 |
| | T15CS004 | 6.58 | 1.39 | 3.59 | 1.60 | 0.00 | 0.00 | 12.48 | 25.64 | 8.23 | 1.41 | 4.69 | 2.09 | 0.00 | 0.00 | 17.72 | 34.14 |
| | T15CS005 | 6.75 | 1.42 | 4.02 | 1.79 | 0.00 | 0.00 | 12.79 | 26.77 | 8.43 | 1.45 | 5.25 | 2.34 | 0.00 | 0.00 | 18.16 | 35.63 |
| | T15CS006 | 8.35 | 1.76 | 4.88 | 2.18 | 0.00 | 0.00 | 15.84 | 33.01 | 10.44 | 1.79 | 6.37 | 2.84 | 0.00 | 0.00 | 22.50 | 43.94 |
| | T15CS007 | 11.45 | 2.41 | 6.38 | 2.85 | 0.00 | 0.00 | 21.71 | 44.80 | 14.31 | 2.46 | 8.33 | 3.72 | 0.00 | 0.00 | 30.83 | 59.65 |
| | T15JD005 | 5.20 | 1.10 | 3.75 | 1.67 | 0.00 | 0.00 | 9.87 | 21.59 | 6.51 | 1.12 | 4.90 | 2.19 | 0.00 | 0.00 | 14.01 | 28.73 |
| | T15JD006 | 6.29 | 1.33 | 3.97 | 1.77 | 0.00 | 0.00 | 11.92 | 25.28 | 7.86 | 1.35 | 5.18 | 2.31 | 0.00 | 0.00 | 16.94 | 33.64 |
| | T15JD007 | 7.03 | 1.48 | 4.83 | 2.16 | 0.00 | 0.00 | 13.32 | 28.82 | 8.79 | 1.51 | 6.30 | 2.81 | 0.00 | 0.00 | 18.93 | 38.34 |
| | T15JD008 | 12.46 | 2.62 | 7.51 | 3.35 | 0.00 | 0.00 | 23.61 | 49.55 | 15.57 | 2.68 | 9.80 | 4.38 | 0.00 | 0.00 | 33.54 | 65.97 |
| | T15JD009 | 13.31 | 2.80 | 7.51 | 3.35 | 0.00 | 0.00 | 25.24 | 52.21 | 16.64 | 2.86 | 9.80 | 4.38 | 0.00 | 0.00 | 35.85 | 69.53 |
| | T15JD010 | 15.02 | 3.16 | 9.92 | 4.43 | 0.00 | 0.00 | 28.48 | 61.01 | 18.78 | 3.23 | 12.96 | 5.79 | 0.00 | 0.00 | 40.45 | 81.21 |
| | T15JD011 | 18.46 | 3.89 | 9.92 | 4.43 | 0.00 | 0.00 | 34.99 | 71.69 | 23.07 | 3.97 | 12.96 | 5.79 | 0.00 | 0.00 | 49.70 | 95.49 |
| | T15KM001 | 6.37 | 1.34 | 3.75 | 1.67 | 0.00 | 0.00 | 12.08 | 25.21 | 7.96 | 1.37 | 4.90 | 2.19 | 0.00 | 0.00 | 17.16 | 33.58 |
| | T15KM002 | 6.99 | 1.47 | 4.02 | 1.79 | 0.00 | 0.00 | 13.25 | 27.52 | 8.74 | 1.50 | 5.25 | 2.34 | 0.00 | 0.00 | 18.83 | 36.66 |
| | T15KM003 | 12.57 | 2.65 | 6.97 | 3.11 | 0.00 | 0.00 | 23.82 | 49.12 | 15.71 | 2.70 | 9.10 | 4.06 | 0.00 | 0.00 | 33.84 | 65.41 |
| | T15KM007 | 23.81 | 5.02 | 12.07 | 5.39 | 0.00 | 0.00 | 45.13 | 91.42 | 29.76 | 5.11 | 15.76 | 7.04 | 0.00 | 0.00 | 64.11 | 121.78 |
| | T15KM008 | 25.14 | 5.89 | 16.63 | 5.77 | 0.00 | 0.00 | 48.54 | 101.97 | 29.93 | 5.97 | 21.71 | 7.54 | 0.00 | 0.00 | 60.18 | 125.33 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *T15* | *cont.* | | | | | | | | | | | | | | | | |
| | T15KM011 | 77.75 | 19.55 | 39.72 | 11.82 | 0.00 | 0.00 | 140.74 | 289.58 | 93.31 | 19.83 | 51.26 | 15.26 | 0.00 | 0.00 | 189.88 | 369.54 |
| | T15KM012 | 37.48 | 8.78 | 21.72 | 7.54 | 0.00 | 0.00 | 72.37 | 147.89 | 44.62 | 8.90 | 28.36 | 9.85 | 0.00 | 0.00 | 89.73 | 181.46 |
| | T15KM013 | 18.18 | 3.83 | 10.19 | 4.55 | 0.00 | 0.00 | 34.46 | 71.21 | 22.72 | 3.91 | 13.31 | 5.94 | 0.00 | 0.00 | 48.95 | 94.83 |
| | T15KM014 | 46.81 | 11.77 | 24.25 | 7.22 | 0.00 | 0.00 | 84.72 | 174.77 | 56.17 | 11.94 | 31.29 | 9.31 | 0.00 | 0.00 | 114.30 | 223.01 |
| T20 | | | | | | | | | | | | | | | | | |
| | T20CA001 | 16.93 | 3.73 | 10.16 | 3.53 | 3.98 | 0.70 | 14.78 | 53.81 | 18.23 | 3.75 | 13.11 | 4.55 | 8.33 | 1.46 | 17.23 | 66.66 |
| | T20CA002 | 24.81 | 5.50 | 14.55 | 5.05 | 7.52 | 1.32 | 21.68 | 80.43 | 26.72 | 5.54 | 18.77 | 6.52 | 15.76 | 2.77 | 25.28 | 101.36 |
| | T20CA003 | 36.74 | 8.20 | 20.79 | 7.22 | 8.42 | 1.48 | 32.14 | 114.99 | 39.56 | 8.25 | 26.82 | 9.31 | 17.65 | 3.10 | 37.46 | 142.15 |
| T25 | | | | | | | | | | | | | | | | | |
| | T25CA006 | 14.45 | 2.28 | 13.13 | 4.56 | 0.00 | 0.00 | 17.78 | 52.20 | | | | | | | | |
| | T25CA007 | 15.87 | 2.51 | 14.36 | 4.99 | 0.00 | 0.00 | 19.52 | 57.25 | | | | | | | | |
| | T25CA008 | 17.20 | 2.72 | 17.36 | 6.03 | 0.00 | 0.00 | 21.16 | 64.47 | | | | | | | | |
| | T25JD008 | 5.85 | 0.78 | 5.16 | 1.79 | 0.52 | 0.09 | 5.96 | 20.15 | | | | | | | | |
| | T25JD009 | 5.86 | 0.78 | 6.64 | 2.31 | 0.52 | 0.09 | 5.97 | 22.17 | | | | | | | | |
| | T25JD010 | 9.21 | 1.25 | 8.11 | 2.82 | 1.12 | 0.20 | 9.40 | 32.11 | | | | | | | | |
| | T25JD012 | 12.20 | 1.82 | 15.24 | 5.29 | 4.70 | 0.82 | 12.65 | 52.72 | | | | | | | | |
| | T25JD013 | 16.28 | 2.35 | 20.90 | 7.26 | 4.70 | 0.82 | 16.79 | 69.10 | | | | | | | | |
| | T25JD014 | 12.80 | 1.71 | 10.08 | 3.50 | 1.12 | 0.20 | 13.04 | 42.45 | | | | | | | | |
| T30 | | | | | | | | | | | | | | | | | |
| | T30CS003 | 2.56 | 0.37 | 1.82 | 0.63 | 0.07 | 0.01 | 3.55 | 9.01 | 3.41 | 0.38 | 2.43 | 0.84 | 0.10 | 0.02 | 5.26 | 12.44 |
| | T30CS004 | 2.65 | 0.40 | 1.48 | 0.51 | 0.32 | 0.06 | 3.71 | 9.13 | 3.53 | 0.41 | 1.97 | 0.68 | 0.45 | 0.08 | 5.49 | 12.61 |
| | T30CS005 | 3.24 | 0.48 | 1.62 | 0.56 | 0.32 | 0.06 | 4.53 | 10.81 | 4.32 | 0.50 | 2.16 | 0.75 | 0.45 | 0.08 | 6.71 | 14.97 |
| | T30CS006 | 4.61 | 0.68 | 2.26 | 0.78 | 0.32 | 0.06 | 6.44 | 15.15 | 6.15 | 0.71 | 3.02 | 1.05 | 0.46 | 0.08 | 9.53 | 21.00 |
| | T30CS007 | 5.66 | 0.83 | 2.75 | 0.96 | 0.32 | 0.06 | 7.89 | 18.47 | 7.55 | 0.86 | 3.67 | 1.27 | 0.46 | 0.08 | 11.68 | 25.57 |
| | T30CS008 | 7.33 | 1.08 | 3.88 | 1.35 | 0.49 | 0.09 | 10.21 | 24.43 | 9.77 | 1.12 | 5.18 | 1.80 | 0.70 | 0.12 | 15.13 | 33.82 |
| | T30DW005 | 3.13 | 0.47 | 2.16 | 0.75 | 0.32 | 0.06 | 4.38 | 11.27 | 4.17 | 0.49 | 2.88 | 1.00 | 0.45 | 0.08 | 6.49 | 15.56 |
| | T30DW010 | 12.03 | 1.78 | 5.21 | 1.81 | 1.67 | 0.29 | 16.80 | 39.59 | 16.03 | 1.85 | 6.95 | 2.41 | 2.36 | 0.41 | 24.88 | 54.89 |
| | T30DW011 | 14.76 | 2.10 | 5.21 | 1.81 | 0.00 | 0.00 | 20.44 | 44.32 | 19.68 | 2.18 | 6.95 | 2.41 | 0.00 | 0.00 | 30.28 | 61.50 |
| | T30DW012 | 0.85 | 0.12 | 1.39 | 0.48 | 0.03 | 0.01 | 1.18 | 4.06 | 1.13 | 0.13 | 1.82 | 0.63 | 0.04 | 0.01 | 1.74 | 5.50 |
| | T30DW013 | 1.25 | 0.18 | 1.93 | 0.67 | 0.09 | 0.02 | 1.74 | 5.88 | 1.66 | 0.19 | 2.52 | 0.88 | 0.12 | 0.02 | 2.58 | 7.97 |
| | T30DW014 | 2.90 | 0.43 | 1.72 | 0.60 | 0.32 | 0.06 | 4.06 | 10.09 | 3.86 | 0.45 | 2.29 | 0.80 | 0.46 | 0.08 | 6.01 | 13.95 |
| | T30DW015 | 4.28 | 0.63 | 2.56 | 0.89 | 0.32 | 0.06 | 5.97 | 14.71 | 5.71 | 0.66 | 3.41 | 1.18 | 0.46 | 0.08 | 8.85 | 20.35 |
| | T30DW016 | 4.80 | 0.70 | 2.61 | 0.91 | 0.24 | 0.04 | 6.67 | 15.97 | 6.39 | 0.73 | 3.47 | 1.21 | 0.34 | 0.06 | 9.89 | 22.09 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***T30*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | T30DW017 | 5.49 | 0.80 | 3.64 | 1.26 | 0.32 | 0.06 | 7.65 | 19.22 | 7.32 | 0.84 | 4.85 | 1.68 | 0.46 | 0.08 | 11.33 | 26.56 |
| | T30DW018 | 6.94 | 1.01 | 3.84 | 1.33 | 0.32 | 0.06 | 9.66 | 23.16 | 9.26 | 1.05 | 5.11 | 1.77 | 0.46 | 0.08 | 14.31 | 32.04 |
| | T30TM001 | 25.87 | 3.68 | 9.10 | 3.16 | 0.00 | 0.00 | 35.83 | 77.64 | 34.49 | 3.83 | 12.13 | 4.21 | 0.00 | 0.00 | 53.07 | 107.73 |
| | T30TM002 | 26.31 | 3.74 | 9.10 | 3.16 | 0.00 | 0.00 | 36.44 | 78.75 | 35.08 | 3.89 | 12.13 | 4.21 | 0.00 | 0.00 | 53.99 | 109.30 |
| | T30TM003 | 28.18 | 4.01 | 9.10 | 3.16 | 0.00 | 0.00 | 39.03 | 83.48 | 37.57 | 4.17 | 12.13 | 4.21 | 0.00 | 0.00 | 57.81 | 115.89 |
| | T30TM004 | 27.94 | 3.97 | 9.10 | 3.16 | 0.00 | 0.00 | 38.69 | 82.86 | 37.25 | 4.13 | 12.13 | 4.21 | 0.00 | 0.00 | 57.32 | 115.04 |
| | T30TM005 | 29.38 | 4.18 | 9.10 | 3.16 | 0.00 | 0.00 | 40.69 | 86.51 | 39.17 | 4.34 | 12.13 | 4.21 | 0.00 | 0.00 | 60.27 | 120.12 |
| | T30TM006 | 31.56 | 4.49 | 9.10 | 3.16 | 0.00 | 0.00 | 43.71 | 92.02 | 42.08 | 4.67 | 12.13 | 4.21 | 0.00 | 0.00 | 64.74 | 127.83 |
| | T30TM007 | 35.32 | 5.02 | 11.80 | 4.10 | 0.00 | 0.00 | 48.92 | 105.16 | 47.09 | 5.22 | 15.73 | 5.46 | 0.00 | 0.00 | 72.46 | 145.96 |
| | T30TM008 | 36.68 | 5.22 | 11.80 | 4.10 | 0.00 | 0.00 | 50.81 | 108.61 | 48.91 | 5.43 | 15.73 | 5.46 | 0.00 | 0.00 | 75.26 | 150.79 |
| | T30TM009 | 36.58 | 5.20 | 13.28 | 4.61 | 0.00 | 0.00 | 50.67 | 110.34 | 48.78 | 5.41 | 17.70 | 6.15 | 0.00 | 0.00 | 75.05 | 153.09 |
| | T30TM010 | 40.84 | 5.81 | 13.28 | 4.61 | 0.00 | 0.00 | 56.57 | 121.11 | 54.46 | 6.04 | 17.70 | 6.15 | 0.00 | 0.00 | 83.79 | 168.14 |
| | T30TM012 | 48.19 | 6.85 | 17.21 | 5.98 | 0.00 | 0.00 | 66.74 | 144.97 | 64.25 | 7.13 | 22.95 | 7.97 | 0.00 | 0.00 | 98.86 | 201.16 |
| | T30TM013 | 75.16 | 10.69 | 19.77 | 6.87 | 0.00 | 0.00 | 104.09 | 216.58 | 100.21 | 11.11 | 26.36 | 9.15 | 0.00 | 0.00 | 154.20 | 301.03 |
| | T30TM014 | 73.59 | 10.47 | 24.73 | 8.59 | 0.00 | 0.00 | 101.93 | 219.31 | 98.12 | 10.88 | 32.98 | 11.45 | 0.00 | 0.00 | 150.99 | 304.42 |
| | T30TM015 | 77.87 | 11.08 | 24.73 | 8.59 | 0.00 | 0.00 | 107.84 | 230.11 | 103.82 | 11.52 | 32.98 | 11.45 | 0.00 | 0.00 | 159.75 | 319.52 |
| | T30VE007 | 12.68 | 1.80 | 4.18 | 1.45 | 0.00 | 0.00 | 17.56 | 37.67 | 16.90 | 1.87 | 5.57 | 1.93 | 0.00 | 0.00 | 26.01 | 52.28 |
| | T30VE008 | 21.51 | 3.06 | 6.88 | 2.39 | 0.00 | 0.00 | 29.79 | 63.63 | 28.68 | 3.18 | 9.18 | 3.19 | 0.00 | 0.00 | 44.12 | 88.35 |
| | T30VE009 | 31.66 | 4.50 | 8.85 | 3.07 | 0.00 | 0.00 | 43.84 | 91.92 | 42.21 | 4.68 | 11.80 | 4.10 | 0.00 | 0.00 | 64.95 | 127.74 |
| | T30VE010 | 40.75 | 5.80 | 12.29 | 4.27 | 0.00 | 0.00 | 56.43 | 119.54 | 54.33 | 6.03 | 16.39 | 5.69 | 0.00 | 0.00 | 83.60 | 166.04 |
| **T35** | | | | | | | | | | | | | | | | | |
| | T35CT001 | 18.23 | 2.59 | 6.88 | 2.39 | 0.00 | 0.00 | 25.25 | 55.34 | 24.31 | 2.70 | 9.18 | 3.19 | 0.00 | 0.00 | 37.41 | 76.79 |
| | T35CT002 | 22.39 | 3.19 | 6.88 | 2.39 | 0.00 | 0.00 | 31.01 | 65.86 | 29.85 | 3.31 | 9.18 | 3.19 | 0.00 | 0.00 | 45.94 | 91.47 |
| | T35CT003 | 25.15 | 3.58 | 9.10 | 3.16 | 0.00 | 0.00 | 34.84 | 75.83 | 33.54 | 3.72 | 12.13 | 4.21 | 0.00 | 0.00 | 51.61 | 105.21 |
| | T35CT004 | 23.68 | 3.37 | 5.02 | 1.74 | 0.00 | 0.00 | 32.79 | 66.60 | 31.57 | 3.50 | 6.69 | 2.32 | 0.00 | 0.00 | 48.57 | 92.65 |
| | T35CT005 | 23.53 | 3.35 | 5.02 | 1.74 | 0.00 | 0.00 | 32.59 | 66.23 | 31.37 | 3.48 | 6.69 | 2.32 | 0.00 | 0.00 | 48.28 | 92.14 |
| | T35CT006 | 22.40 | 3.19 | 5.02 | 1.74 | 0.00 | 0.00 | 31.02 | 63.37 | 29.86 | 3.31 | 6.69 | 2.32 | 0.00 | 0.00 | 45.95 | 88.13 |
| | T35CT007 | 24.79 | 3.53 | 5.02 | 1.74 | 0.00 | 0.00 | 34.33 | 69.41 | 33.05 | 3.67 | 6.69 | 2.32 | 0.00 | 0.00 | 50.86 | 96.59 |
| | T35CT008 | 31.57 | 4.49 | 7.38 | 2.56 | 0.00 | 0.00 | 43.73 | 89.73 | 42.10 | 4.67 | 9.83 | 3.41 | 0.00 | 0.00 | 64.77 | 124.78 |
| | T35CT009 | 37.03 | 5.27 | 7.38 | 2.56 | 0.00 | 0.00 | 51.29 | 103.53 | 49.37 | 5.48 | 9.83 | 3.41 | 0.00 | 0.00 | 75.97 | 144.06 |
| | T35CT010 | 36.84 | 5.24 | 7.38 | 2.56 | 0.00 | 0.00 | 51.03 | 103.05 | 49.12 | 5.45 | 9.83 | 3.41 | 0.00 | 0.00 | 75.59 | 143.40 |
| | T35CT011 | 43.72 | 6.22 | 8.60 | 2.99 | 0.00 | 0.00 | 60.55 | 122.08 | 58.29 | 6.47 | 11.47 | 3.98 | 0.00 | 0.00 | 89.70 | 169.91 |
| **T40** | | | | | | | | | | | | | | | | | |
| | T40AH001 | 1.92 | 0.27 | 0.00 | 0.25 | 0.00 | 0.00 | 2.33 | 4.77 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***T40*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | T40AH002 | 2.30 | 0.33 | 0.00 | 0.25 | 0.00 | 0.00 | 2.79 | 5.67 | | | | | | | | |
| | T40AH003 | 3.28 | 0.47 | 0.00 | 0.25 | 0.00 | 0.00 | 3.98 | 7.98 | | | | | | | | |
| | T40AH004 | 3.66 | 0.52 | 0.00 | 0.25 | 0.00 | 0.00 | 4.45 | 8.88 | | | | | | | | |
| | T40BD001 | 9.07 | 1.30 | 5.51 | 2.19 | 0.17 | 0.03 | 9.65 | 27.92 | | | | | | | | |
| | T40GN001 | 1.12 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 2.31 | 1.38 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 3.01 |
| | T40KF011 | 0.31 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.64 | | | | | | | | |
| | T40KF013 | 0.33 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.68 | | | | | | | | |
| | T40KF014 | 0.36 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.74 | | | | | | | | |
| | T40KF016 | 0.43 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.88 | | | | | | | | |
| | T40KF018 | 0.52 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 1.06 | | | | | | | | |
| | T40KF020 | 0.60 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 1.24 | | | | | | | | |
| | T40KF021 | 0.26 | 0.04 | 0.00 | 0.10 | 0.00 | 0.00 | 0.27 | 0.67 | | | | | | | | |
| | T40KF022 | 0.49 | 0.07 | 0.00 | 0.10 | 0.00 | 0.00 | 0.52 | 1.18 | | | | | | | | |
| | T40KF023 | 0.33 | 0.05 | 0.00 | 0.05 | 0.00 | 0.00 | 0.35 | 0.78 | | | | | | | | |
| | T40KF024 | 0.39 | 0.06 | 0.00 | 0.05 | 0.00 | 0.00 | 0.41 | 0.91 | | | | | | | | |
| | T40MY002 | 0.48 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.99 | 0.59 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 1.29 |
| | T40MY004 | 0.69 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 1.42 | 0.85 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.92 | 1.86 |
| | T40MY005 | 0.98 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.93 | 2.03 | 1.21 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 2.64 |
| | T40MY006 | 1.12 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 2.31 | 1.38 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 3.01 |
| | T40PA001 | 0.82 | 0.12 | 0.00 | 0.24 | 0.00 | 0.00 | 1.00 | 2.18 | | | | | | | | |
| | T40PA002 | 2.52 | 0.36 | 0.00 | 0.24 | 0.00 | 0.00 | 3.06 | 6.18 | | | | | | | | |
| | T40PA003 | 3.58 | 0.51 | 0.00 | 0.26 | 0.00 | 0.00 | 4.34 | 8.69 | | | | | | | | |
| | T40PA004 | 5.43 | 0.77 | 0.00 | 0.26 | 0.00 | 0.00 | 6.59 | 13.05 | | | | | | | | |
| | T40PA005 | 7.73 | 1.10 | 0.00 | 0.27 | 0.00 | 0.00 | 9.39 | 18.49 | | | | | | | | |
| | T40PA006 | 7.90 | 1.12 | 0.00 | 0.27 | 0.00 | 0.00 | 9.60 | 18.89 | | | | | | | | |
| | T40RS001 | 1.68 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 1.64 | 3.58 | | | | | | | | |
| | T40RS002 | 1.96 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 1.90 | 4.17 | | | | | | | | |
| | T40RS003 | 2.16 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 4.60 | | | | | | | | |
| | T40XX034 | 15.77 | 2.05 | 13.49 | 5.35 | 0.00 | 0.00 | 15.77 | 52.43 | | | | | | | | |
| | T40XX035 | 15.79 | 2.05 | 14.36 | 5.70 | 0.00 | 0.00 | 15.79 | 53.69 | | | | | | | | |
| | T40XX036 | 15.80 | 2.05 | 16.36 | 6.49 | 0.00 | 0.00 | 15.80 | 56.50 | | | | | | | | |
| | T40XX037 | 15.82 | 2.06 | 16.36 | 6.49 | 0.00 | 0.00 | 15.82 | 56.55 | | | | | | | | |
| | T40XX038 | 15.84 | 2.06 | 16.36 | 6.49 | 0.00 | 0.00 | 15.84 | 56.59 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| T45 | | | | | | | | | | | | | | | | | |
| | T45EA006 | 2.07 | 0.38 | 0.00 | 0.50 | 1.45 | 0.25 | 1.43 | 6.08 | | | | | | | | |
| | T45EA007 | 3.35 | 0.60 | 0.00 | 0.50 | 2.18 | 0.38 | 2.31 | 9.32 | | | | | | | | |
| | T45MY004 | 1.94 | 0.33 | 0.00 | 0.30 | 0.99 | 0.17 | 1.87 | 5.60 | 2.43 | 0.34 | 0.00 | 0.30 | 1.19 | 0.21 | 2.67 | 7.14 |
| | T45MY005 | 2.61 | 0.45 | 0.00 | 0.30 | 1.48 | 0.26 | 2.51 | 7.61 | 3.26 | 0.47 | 0.00 | 0.30 | 1.78 | 0.31 | 3.59 | 9.71 |
| | T45MY006 | 2.69 | 0.47 | 0.00 | 0.30 | 1.48 | 0.26 | 2.59 | 7.79 | 3.36 | 0.48 | 0.00 | 0.30 | 1.78 | 0.31 | 3.70 | 9.93 |
| | T45MY007 | 2.58 | 0.45 | 0.00 | 0.30 | 1.48 | 0.26 | 2.49 | 7.56 | 3.23 | 0.47 | 0.00 | 0.30 | 1.78 | 0.31 | 3.56 | 9.65 |
| | T45MY015 | 2.13 | 0.36 | 0.00 | 0.40 | 0.99 | 0.17 | 1.90 | 5.95 | 2.66 | 0.37 | 0.00 | 0.40 | 1.19 | 0.21 | 2.74 | 7.57 |
| | T45MY016 | 2.17 | 0.37 | 0.00 | 0.40 | 0.99 | 0.17 | 1.93 | 6.03 | 2.71 | 0.38 | 0.00 | 0.40 | 1.19 | 0.21 | 2.79 | 7.68 |
| | T45MY017 | 2.25 | 0.40 | 0.00 | 0.40 | 1.48 | 0.26 | 2.02 | 6.81 | 2.81 | 0.42 | 0.00 | 0.40 | 1.78 | 0.31 | 2.92 | 8.64 |
| | T45MY018 | 1.64 | 0.25 | 0.00 | 0.40 | 0.99 | 0.17 | 1.37 | 4.82 | | | | | | | | |
| | T45MY019 | 1.62 | 0.25 | 0.00 | 0.40 | 0.99 | 0.17 | 1.35 | 4.78 | | | | | | | | |
| | T45XX001 | 2.68 | 0.42 | 0.00 | 0.40 | 0.72 | 0.13 | 2.55 | 6.90 | 3.34 | 0.44 | 0.00 | 0.40 | 0.86 | 0.15 | 3.65 | 8.84 |
| | T45XX003 | 3.12 | 0.49 | 0.00 | 0.40 | 0.72 | 0.13 | 2.97 | 7.83 | 3.89 | 0.50 | 0.00 | 0.40 | 0.86 | 0.15 | 4.24 | 10.04 |
| | T45XX008 | 2.08 | 0.34 | 0.00 | 0.40 | 0.72 | 0.13 | 1.85 | 5.52 | 2.60 | 0.35 | 0.00 | 0.40 | 0.86 | 0.15 | 2.67 | 7.03 |
| | T45XX009 | 2.76 | 0.37 | 0.00 | 0.40 | 0.72 | 0.13 | 2.27 | 6.65 | | | | | | | | |
| | T45XX010 | 2.83 | 0.38 | 0.00 | 0.40 | 0.72 | 0.13 | 2.32 | 6.78 | | | | | | | | |
| | T45XX011 | 2.25 | 0.36 | 0.00 | 0.40 | 0.63 | 0.11 | 1.53 | 5.28 | | | | | | | | |
| | T45XX012 | 2.40 | 0.38 | 0.00 | 0.40 | 0.63 | 0.11 | 1.63 | 5.55 | | | | | | | | |
| | T45XX013 | 2.50 | 0.40 | 0.00 | 0.40 | 0.72 | 0.13 | 1.70 | 5.85 | | | | | | | | |
| | T45XX014 | 3.02 | 0.49 | 0.00 | 0.50 | 0.95 | 0.17 | 2.06 | 7.19 | | | | | | | | |
| | T45XX015 | 3.10 | 0.50 | 0.00 | 0.50 | 0.95 | 0.17 | 2.12 | 7.34 | | | | | | | | |
| | T45XX016 | 3.47 | 0.56 | 0.00 | 0.50 | 1.08 | 0.19 | 2.36 | 8.16 | | | | | | | | |
| | T45XX017 | 3.63 | 0.59 | 0.00 | 0.50 | 1.30 | 0.23 | 2.48 | 8.73 | | | | | | | | |
| | T45XX018 | 3.83 | 0.62 | 0.00 | 0.50 | 1.30 | 0.23 | 2.62 | 9.10 | | | | | | | | |
| | T45XX019 | 4.24 | 0.68 | 0.00 | 0.50 | 1.30 | 0.23 | 2.89 | 9.84 | | | | | | | | |
| | T45XX020 | 4.20 | 0.68 | 0.00 | 0.60 | 1.44 | 0.25 | 2.87 | 10.04 | | | | | | | | |
| | T45XX021 | 4.44 | 0.72 | 0.00 | 0.60 | 1.44 | 0.25 | 3.03 | 10.48 | | | | | | | | |
| | T45XX022 | 5.00 | 0.81 | 0.00 | 0.60 | 1.73 | 0.30 | 3.41 | 11.85 | | | | | | | | |
| | T45XX023 | 5.96 | 0.97 | 0.00 | 0.60 | 2.15 | 0.38 | 4.07 | 14.13 | | | | | | | | |
| | T45XX024 | 1.89 | 0.31 | 0.00 | 0.09 | 0.72 | 0.13 | 1.29 | 4.43 | | | | | | | | |
| | T45XX025 | 2.05 | 0.33 | 0.00 | 0.10 | 0.72 | 0.13 | 1.40 | 4.73 | | | | | | | | |
| | T45XX026 | 1.19 | 0.19 | 0.00 | 0.40 | 0.36 | 0.06 | 0.81 | 3.01 | | | | | | | | |
| | T45XX027 | 1.31 | 0.22 | 0.00 | 0.40 | 0.51 | 0.09 | 0.90 | 3.43 | | | | | | | | |
| | T45XX028 | 1.49 | 0.25 | 0.00 | 0.40 | 0.66 | 0.12 | 1.02 | 3.94 | | | | | | | | |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***T45*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | T45XX029 | 4.93 | 0.97 | 3.10 | 0.92 | 0.36 | 0.06 | 4.82 | 15.16 | | | | | | | | |
| | T45XX030 | 4.92 | 0.99 | 3.10 | 0.92 | 0.72 | 0.13 | 4.85 | 15.63 | | | | | | | | |
| | T45XX031 | 5.97 | 1.19 | 3.10 | 0.92 | 0.72 | 0.13 | 5.86 | 17.89 | | | | | | | | |
| | T45XX032 | 3.97 | 0.47 | 0.00 | 0.50 | 0.00 | 0.00 | 3.22 | 8.16 | | | | | | | | |
| | T45XX033 | 4.69 | 0.56 | 0.00 | 0.60 | 0.00 | 0.00 | 3.80 | 9.65 | | | | | | | | |
| | T45XX034 | 2.30 | 0.33 | 0.00 | 0.40 | 0.00 | 0.00 | 1.55 | 4.58 | | | | | | | | |
| | T45XX035 | 2.45 | 0.35 | 0.00 | 0.40 | 0.00 | 0.00 | 1.65 | 4.85 | | | | | | | | |
| **T50** | | | | | | | | | | | | | | | | | |
| | T50GM001 | 1.32 | 0.19 | 2.97 | 1.03 | 0.20 | 0.04 | 1.43 | 7.18 | 1.62 | 0.20 | 3.96 | 1.38 | 0.26 | 0.05 | 1.88 | 9.35 |
| | T50GM004 | 3.34 | 0.48 | 7.05 | 2.45 | 0.20 | 0.04 | 3.60 | 17.16 | 4.12 | 0.50 | 9.41 | 3.27 | 0.26 | 0.05 | 4.75 | 22.36 |
| | T50GM005 | 3.60 | 0.52 | 7.05 | 2.45 | 0.24 | 0.04 | 3.87 | 17.77 | 4.43 | 0.53 | 9.41 | 3.27 | 0.32 | 0.06 | 5.11 | 23.13 |
| | T50XX001 | 1.28 | 0.19 | 3.22 | 1.12 | 0.34 | 0.06 | 1.39 | 7.60 | 1.58 | 0.20 | 4.29 | 1.49 | 0.43 | 0.08 | 1.84 | 9.91 |
| | T50XX002 | 1.55 | 0.23 | 3.22 | 1.12 | 0.40 | 0.07 | 1.69 | 8.28 | 1.91 | 0.24 | 4.29 | 1.49 | 0.50 | 0.09 | 2.22 | 10.74 |
| | T50XX003 | 1.78 | 0.27 | 4.46 | 1.55 | 0.39 | 0.07 | 1.93 | 10.45 | 2.19 | 0.27 | 5.94 | 2.06 | 0.48 | 0.08 | 2.55 | 13.57 |
| | T50XX004 | 1.57 | 0.24 | 3.22 | 1.12 | 0.40 | 0.07 | 1.70 | 8.32 | 1.93 | 0.24 | 4.29 | 1.49 | 0.53 | 0.09 | 2.25 | 10.82 |
| | T50XX005 | 1.85 | 0.28 | 3.22 | 1.12 | 0.47 | 0.08 | 2.00 | 9.02 | 2.27 | 0.28 | 4.29 | 1.49 | 0.62 | 0.11 | 2.64 | 11.70 |
| | T50XX006 | 1.92 | 0.29 | 4.46 | 1.55 | 0.45 | 0.08 | 2.08 | 10.83 | 2.37 | 0.29 | 5.94 | 2.06 | 0.59 | 0.10 | 2.75 | 14.10 |
| | T50XX007 | 1.37 | 0.21 | 3.22 | 1.12 | 0.34 | 0.06 | 1.49 | 7.81 | 1.68 | 0.21 | 4.29 | 1.49 | 0.43 | 0.08 | 1.96 | 10.14 |
| | T50XX008 | 1.65 | 0.25 | 3.22 | 1.12 | 0.40 | 0.07 | 1.79 | 8.50 | 2.03 | 0.26 | 4.29 | 1.49 | 0.50 | 0.09 | 2.36 | 11.02 |
| | T50XX009 | 2.06 | 0.31 | 4.46 | 1.55 | 0.39 | 0.07 | 2.23 | 11.07 | 2.53 | 0.31 | 5.94 | 2.06 | 0.48 | 0.08 | 2.94 | 14.34 |
| | T50XX010 | 1.88 | 0.28 | 3.22 | 1.12 | 0.40 | 0.07 | 2.04 | 9.01 | 2.32 | 0.29 | 4.29 | 1.49 | 0.53 | 0.09 | 2.69 | 11.70 |
| | T50XX011 | 2.01 | 0.30 | 4.46 | 1.55 | 0.47 | 0.08 | 2.18 | 11.05 | 2.48 | 0.31 | 5.94 | 2.06 | 0.62 | 0.11 | 2.88 | 14.40 |
| | T50XX012 | 2.12 | 0.31 | 4.46 | 1.55 | 0.45 | 0.08 | 2.30 | 11.27 | 2.61 | 0.32 | 5.94 | 2.06 | 0.59 | 0.10 | 3.03 | 14.65 |
| | T50XX013 | 1.70 | 0.25 | 1.04 | 0.31 | 0.34 | 0.06 | 1.84 | 5.54 | 2.09 | 0.26 | 1.31 | 0.39 | 0.43 | 0.08 | 2.43 | 6.99 |
| | T50XX014 | 1.88 | 0.28 | 1.04 | 0.31 | 0.40 | 0.07 | 2.04 | 6.02 | 2.32 | 0.29 | 1.31 | 0.39 | 0.50 | 0.09 | 2.69 | 7.59 |
| | T50XX015 | 2.19 | 0.32 | 1.81 | 0.54 | 0.39 | 0.07 | 2.37 | 7.69 | 2.70 | 0.33 | 2.26 | 0.67 | 0.48 | 0.08 | 3.13 | 9.65 |
| | T50XX016 | 2.04 | 0.30 | 1.81 | 0.54 | 0.40 | 0.07 | 2.21 | 7.37 | 2.52 | 0.31 | 2.26 | 0.67 | 0.53 | 0.09 | 2.92 | 9.30 |
| | T50XX017 | 2.05 | 0.31 | 1.81 | 0.54 | 0.47 | 0.08 | 2.22 | 7.48 | 2.52 | 0.31 | 2.26 | 0.67 | 0.62 | 0.11 | 2.93 | 9.42 |
| | T50XX018 | 2.48 | 0.37 | 1.81 | 0.54 | 0.45 | 0.08 | 2.68 | 8.41 | 3.05 | 0.38 | 2.26 | 0.67 | 0.59 | 0.10 | 3.53 | 10.58 |
| | T50XX019 | 1.96 | 0.29 | 1.81 | 0.54 | 0.40 | 0.07 | 2.12 | 7.19 | 2.41 | 0.30 | 2.26 | 0.67 | 0.50 | 0.09 | 2.79 | 9.02 |
| | T50XX020 | 2.38 | 0.35 | 1.81 | 0.54 | 0.47 | 0.08 | 2.58 | 8.21 | 2.94 | 0.36 | 2.26 | 0.67 | 0.62 | 0.11 | 3.40 | 10.36 |
| | T50XX021 | 2.16 | 0.32 | 1.81 | 0.54 | 0.39 | 0.07 | 2.34 | 7.63 | 2.66 | 0.33 | 2.26 | 0.67 | 0.48 | 0.08 | 3.08 | 9.56 |
| | T50XX022 | 3.47 | 0.62 | 5.64 | 1.82 | 0.47 | 0.08 | 3.48 | 15.58 | 4.33 | 0.64 | 7.52 | 2.42 | 0.59 | 0.10 | 4.69 | 20.29 |
| | T50XX023 | 2.71 | 0.49 | 12.13 | 4.51 | 0.47 | 0.08 | 2.72 | 23.11 | 3.38 | 0.50 | 15.94 | 5.93 | 0.59 | 0.10 | 3.66 | 30.10 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***T50*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | T50XX024 | 2.34 | 0.43 | 12.13 | 4.51 | 0.47 | 0.08 | 2.35 | 22.31 | 2.92 | 0.44 | 15.94 | 5.93 | 0.59 | 0.10 | 3.17 | 29.09 |
| | T50XX025 | 4.53 | 0.82 | 5.32 | 1.72 | 0.87 | 0.15 | 4.56 | 17.97 | 5.67 | 0.84 | 7.10 | 2.29 | 1.13 | 0.20 | 6.14 | 23.37 |
| | T50XX026 | 4.61 | 0.83 | 6.58 | 2.12 | 0.79 | 0.14 | 4.64 | 19.71 | 5.76 | 0.85 | 8.77 | 2.83 | 0.97 | 0.17 | 6.24 | 25.59 |
| | T50XX027 | 6.21 | 1.30 | 11.99 | 4.16 | 0.78 | 0.14 | 6.22 | 30.80 | 7.45 | 1.32 | 15.22 | 5.29 | 0.98 | 0.17 | 8.61 | 39.04 |
| | T50XX028 | 6.14 | 1.31 | 10.41 | 3.61 | 1.22 | 0.21 | 6.17 | 29.07 | 7.36 | 1.33 | 13.21 | 4.59 | 1.56 | 0.27 | 8.54 | 36.86 |
| | T50XX029 | 5.63 | 1.20 | 14.02 | 4.87 | 1.22 | 0.21 | 5.67 | 32.82 | 6.76 | 1.22 | 17.80 | 6.18 | 1.56 | 0.27 | 7.84 | 41.63 |
| | T50XX030 | 7.27 | 1.54 | 15.83 | 5.50 | 1.22 | 0.21 | 7.30 | 38.87 | 8.73 | 1.56 | 20.10 | 6.98 | 1.56 | 0.27 | 10.10 | 49.30 |
| | T50XX031 | 6.65 | 1.41 | 18.10 | 6.29 | 1.15 | 0.20 | 6.68 | 40.48 | 7.99 | 1.43 | 22.97 | 7.98 | 1.48 | 0.26 | 9.25 | 51.36 |
| **T55** | | | | | | | | | | | | | | | | | |
| | T55CA002 | 30.44 | 9.53 | 17.43 | 7.34 | 11.80 | 2.07 | 39.99 | 118.60 | 33.82 | 9.57 | 22.28 | 9.38 | 19.67 | 3.45 | 46.87 | 145.04 |
| | T55CA003 | 45.91 | 14.35 | 23.33 | 9.83 | 17.16 | 3.01 | 60.29 | 173.88 | 51.01 | 14.42 | 29.81 | 12.56 | 28.61 | 5.02 | 70.68 | 212.11 |
| | T55CA007 | 22.56 | 7.01 | 12.07 | 5.08 | 12.95 | 2.27 | 29.60 | 91.54 | 25.06 | 7.04 | 15.42 | 6.49 | 21.59 | 3.79 | 34.69 | 114.08 |
| | T55CA008 | 20.58 | 4.27 | 10.07 | 2.36 | 6.62 | 1.16 | 24.00 | 69.06 | 21.84 | 4.29 | 12.01 | 2.81 | 10.83 | 1.90 | 27.04 | 80.72 |
| | T55CA009 | 24.11 | 5.01 | 11.04 | 2.58 | 8.35 | 1.47 | 28.13 | 80.69 | 25.59 | 5.05 | 13.16 | 3.08 | 13.68 | 2.40 | 31.70 | 94.66 |
| | T55CA010 | 20.84 | 4.33 | 8.29 | 1.94 | 7.71 | 1.35 | 24.31 | 68.77 | 22.12 | 4.36 | 9.88 | 2.31 | 12.85 | 2.26 | 27.40 | 81.18 |
| | T55CA011 | 24.57 | 5.12 | 10.07 | 2.36 | 9.83 | 1.73 | 28.67 | 82.35 | 26.08 | 5.15 | 12.01 | 2.81 | 16.37 | 2.87 | 32.31 | 97.60 |
| | T55CA012 | 29.08 | 6.02 | 11.04 | 2.58 | 9.75 | 1.71 | 33.91 | 94.09 | 30.87 | 6.06 | 13.16 | 3.08 | 16.25 | 2.85 | 38.21 | 110.48 |
| | T55CA013 | 29.28 | 6.13 | 14.91 | 3.49 | 13.34 | 2.34 | 34.19 | 103.68 | 31.07 | 6.17 | 17.78 | 4.16 | 22.36 | 3.92 | 38.53 | 123.99 |
| | T55JD001 | 15.65 | 3.33 | 9.18 | 2.15 | 9.83 | 1.73 | 18.32 | 60.19 | 16.61 | 3.35 | 10.95 | 2.56 | 16.37 | 2.87 | 20.65 | 73.36 |
| | T55JD002 | 18.20 | 3.85 | 9.72 | 2.27 | 9.83 | 1.73 | 21.29 | 66.89 | 19.32 | 3.87 | 11.59 | 2.71 | 16.37 | 2.87 | 23.99 | 80.72 |
| | T55JD003 | 24.04 | 5.09 | 12.98 | 3.04 | 13.65 | 2.40 | 28.13 | 89.33 | 25.51 | 5.13 | 15.47 | 3.62 | 22.76 | 3.99 | 31.70 | 108.18 |
| | T55JD004 | 26.80 | 5.72 | 15.88 | 3.72 | 17.10 | 3.00 | 31.39 | 103.61 | 28.45 | 5.75 | 18.94 | 4.43 | 28.50 | 5.00 | 35.38 | 126.45 |
| | T55KM009 | 21.02 | 6.55 | 13.09 | 5.51 | 12.95 | 2.27 | 27.60 | 88.99 | 23.36 | 6.58 | 16.72 | 7.04 | 21.59 | 3.79 | 32.35 | 111.43 |
| | T55KM010 | 30.70 | 9.60 | 19.18 | 8.08 | 20.74 | 3.64 | 40.32 | 132.26 | 34.11 | 9.65 | 24.50 | 10.32 | 34.56 | 6.07 | 47.27 | 166.48 |
| | T55KM011 | 33.23 | 10.36 | 19.18 | 8.08 | 20.74 | 3.64 | 43.63 | 138.86 | 36.93 | 10.41 | 24.50 | 10.32 | 34.56 | 6.07 | 51.14 | 173.93 |
| | T55KM012 | 43.70 | 13.69 | 29.02 | 12.22 | 17.16 | 3.01 | 57.41 | 176.21 | 48.56 | 13.75 | 37.08 | 15.62 | 28.61 | 5.02 | 67.30 | 215.94 |
| | T55KM013 | 72.17 | 22.74 | 39.85 | 16.78 | 32.20 | 5.65 | 94.90 | 284.29 | 80.19 | 22.85 | 50.93 | 21.45 | 53.68 | 9.42 | 111.25 | 349.77 |
| | T55KM014 | 84.03 | 26.85 | 53.64 | 22.59 | 48.17 | 8.45 | 110.73 | 354.46 | 93.36 | 26.98 | 68.54 | 28.87 | 80.32 | 14.10 | 129.81 | 441.98 |
| | T55KM015 | 29.27 | 6.14 | 15.07 | 3.53 | 13.65 | 2.40 | 34.19 | 104.25 | 31.06 | 6.18 | 17.97 | 4.21 | 22.76 | 3.99 | 38.53 | 124.70 |
| | T55KM016 | 33.47 | 7.05 | 16.66 | 3.90 | 17.10 | 3.00 | 39.13 | 120.31 | 35.52 | 7.10 | 19.86 | 4.65 | 28.50 | 5.00 | 44.10 | 144.73 |
| | T55VO002 | 16.27 | 3.43 | 9.72 | 2.27 | 7.88 | 1.38 | 19.02 | 59.97 | 17.27 | 3.45 | 11.59 | 2.71 | 13.02 | 2.29 | 21.43 | 71.76 |
| | T55VO003 | 17.90 | 3.80 | 9.72 | 2.27 | 10.54 | 1.85 | 20.95 | 67.03 | 19.00 | 3.82 | 11.59 | 2.71 | 17.58 | 3.09 | 23.61 | 81.40 |
| | T55VO004 | 27.41 | 5.71 | 12.47 | 2.92 | 10.72 | 1.88 | 31.98 | 93.09 | 29.09 | 5.74 | 14.87 | 3.48 | 17.87 | 3.14 | 36.04 | 110.23 |
| | T55VO005 | 21.31 | 4.41 | 11.47 | 2.68 | 5.98 | 1.05 | 24.84 | 71.74 | 22.61 | 4.44 | 13.67 | 3.20 | 9.98 | 1.75 | 27.99 | 83.64 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***T55*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | T55VO006 | 30.01 | 6.30 | 15.30 | 3.58 | 14.14 | 2.48 | 35.06 | 106.87 | 31.85 | 6.34 | 18.25 | 4.27 | 23.57 | 4.14 | 39.51 | 127.93 |
| **T56** | | | | | | | | | | | | | | | | | |
| | T56CA006 | 42.78 | 13.41 | 29.35 | 12.38 | 17.16 | 3.01 | 56.20 | 174.29 | 47.53 | 13.47 | 46.12 | 18.30 | 27.59 | 4.84 | 65.88 | 223.73 |
| **T57** | | | | | | | | | | | | | | | | | |
| | T57CU001 | 6.52 | 1.14 | 3.74 | 1.30 | 0.09 | 0.02 | 7.94 | 20.75 | | | | | | | | |
| | T57CU002 | 7.99 | 1.39 | 3.74 | 1.30 | 0.09 | 0.02 | 9.72 | 24.25 | | | | | | | | |
| | T57CU003 | 11.85 | 2.06 | 5.65 | 1.96 | 0.09 | 0.02 | 14.40 | 36.03 | | | | | | | | |
| | T57CU004 | 13.51 | 2.35 | 8.70 | 3.02 | 0.09 | 0.02 | 16.43 | 44.12 | | | | | | | | |
| | T57CU005 | 14.63 | 2.55 | 16.47 | 5.72 | 0.09 | 0.02 | 17.79 | 57.27 | | | | | | | | |
| **T60** | | | | | | | | | | | | | | | | | |
| | T60KI001 | 13.68 | 2.92 | 8.60 | 3.41 | 3.17 | 0.56 | 14.87 | 47.21 | 16.42 | 2.97 | 11.47 | 4.55 | 4.25 | 0.75 | 20.41 | 60.82 |
| | T60KI002 | 21.21 | 4.57 | 16.23 | 6.44 | 6.36 | 1.12 | 23.09 | 79.02 | 25.45 | 4.64 | 21.63 | 8.58 | 8.57 | 1.50 | 31.70 | 102.07 |
| | T60KI003 | 34.50 | 7.38 | 22.13 | 8.78 | 8.91 | 1.56 | 37.51 | 120.77 | 41.40 | 7.50 | 29.50 | 11.71 | 12.01 | 2.11 | 51.49 | 155.72 |
| | T60KI004 | 6.11 | 1.57 | 22.13 | 8.78 | 8.91 | 1.56 | 6.91 | 55.97 | 7.33 | 1.59 | 29.50 | 11.71 | 12.01 | 2.11 | 9.49 | 73.74 |
| | T60KI006 | 42.10 | 8.95 | 27.04 | 10.73 | 9.40 | 1.65 | 45.71 | 145.58 | 50.52 | 9.10 | 36.06 | 14.31 | 12.67 | 2.22 | 62.74 | 187.62 |
| | T60SO001 | 24.74 | 5.29 | 16.23 | 6.44 | 6.36 | 1.12 | 26.89 | 87.07 | 29.69 | 5.38 | 21.63 | 8.58 | 8.57 | 1.50 | 36.91 | 112.26 |
| | T60SO002 | 34.14 | 7.33 | 22.13 | 8.78 | 9.59 | 1.68 | 37.14 | 120.79 | 40.96 | 7.45 | 29.50 | 11.71 | 12.93 | 2.27 | 50.98 | 155.80 |
| | T60SO003 | 34.68 | 7.44 | 22.13 | 8.78 | 9.59 | 1.68 | 37.73 | 122.03 | 41.62 | 7.56 | 29.50 | 11.71 | 12.93 | 2.27 | 51.78 | 157.37 |
| | T60SO004 | 43.04 | 9.24 | 27.04 | 10.73 | 12.31 | 2.16 | 46.83 | 151.35 | 51.64 | 9.40 | 36.06 | 14.31 | 16.57 | 2.91 | 64.28 | 195.17 |
| | T60SO005 | 43.79 | 9.40 | 27.04 | 10.73 | 12.31 | 2.16 | 47.65 | 153.08 | 52.55 | 9.56 | 36.06 | 14.31 | 16.57 | 2.91 | 65.40 | 197.36 |
| **W25** | | | | | | | | | | | | | | | | | |
| | W25AO001 | 0.47 | 0.04 | 0.08 | 0.54 | 0.00 | 0.00 | 0.79 | 1.92 | | | | | | | | |
| | W25AO002 | 0.58 | 0.05 | 0.08 | 0.79 | 0.00 | 0.00 | 0.97 | 2.47 | | | | | | | | |
| | W25AO003 | 0.86 | 0.07 | 0.15 | 0.82 | 0.00 | 0.00 | 1.43 | 3.33 | | | | | | | | |
| | W25AO004 | 0.83 | 0.07 | 0.15 | 1.07 | 0.00 | 0.00 | 1.38 | 3.50 | | | | | | | | |
| | W25AO005 | 1.76 | 0.14 | 0.31 | 1.65 | 0.00 | 0.00 | 2.94 | 6.80 | | | | | | | | |
| | W25AO006 | 1.14 | 0.09 | 0.08 | 0.79 | 0.00 | 0.00 | 1.90 | 4.00 | | | | | | | | |
| | W25CJ001 | 8.71 | 0.97 | 1.13 | 0.70 | 0.00 | 0.00 | 13.22 | 24.73 | | | | | | | | |
| | W25CJ002 | 13.50 | 1.50 | 1.36 | 0.84 | 0.00 | 0.00 | 20.48 | 37.68 | | | | | | | | |
| | W25CJ003 | 23.24 | 2.58 | 1.36 | 0.84 | 0.00 | 0.00 | 35.27 | 63.29 | | | | | | | | |
| | W25KZ001 | 1.15 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 | 2.28 | | | | | | | | |
| | W25KZ002 | 1.27 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 2.52 | | | | | | | | |
| | W25KZ003 | 1.30 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 2.57 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***W25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | W25KZ004 | 1.84 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 1.38 | 3.65 | | | | | | | | |
| | W25KZ005 | 2.18 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 4.32 | | | | | | | | |
| | W25KZ006 | 2.22 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 4.40 | | | | | | | | |
| | W25KZ007 | 2.37 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 1.77 | 4.69 | | | | | | | | |
| | W25NL001 | 12.09 | 0.96 | 15.39 | 7.63 | 0.00 | 0.00 | 22.01 | 58.08 | | | | | | | | |
| | W25NL002 | 20.43 | 1.63 | 24.46 | 8.49 | 0.00 | 0.00 | 37.21 | 92.22 | | | | | | | | |
| | W25NL003 | 13.11 | 1.04 | 10.95 | 3.80 | 0.00 | 0.00 | 23.87 | 52.77 | | | | | | | | |
| | W25NL004 | 26.54 | 2.15 | 2.92 | 1.01 | 0.43 | 0.08 | 48.49 | 81.62 | | | | | | | | |
| | W25NL005 | 50.31 | 4.00 | 51.11 | 17.75 | 0.00 | 0.00 | 91.63 | 214.80 | | | | | | | | |
| | W25SD001 | 0.71 | 0.06 | 0.38 | 0.19 | 0.00 | 0.00 | 1.18 | 2.52 | | | | | | | | |
| | W25SD002 | 1.70 | 0.14 | 0.23 | 0.11 | 0.00 | 0.00 | 2.85 | 5.03 | | | | | | | | |
| | W25SD003 | 1.10 | 0.09 | 2.19 | 0.65 | 0.00 | 0.00 | 1.83 | 5.86 | | | | | | | | |
| | W25SD004 | 2.09 | 0.17 | 3.61 | 1.07 | 0.04 | 0.01 | 3.51 | 10.50 | | | | | | | | |
| | W25SD005 | 0.96 | 0.08 | 1.72 | 0.51 | 0.00 | 0.00 | 1.60 | 4.87 | | | | | | | | |
| | W25XX005 | 0.33 | 0.03 | 0.78 | 0.23 | 0.00 | 0.00 | 0.55 | 1.92 | | | | | | | | |
| | W25XX006 | 0.46 | 0.04 | 0.78 | 0.23 | 0.00 | 0.00 | 0.77 | 2.28 | | | | | | | | |
| | W25XX007 | 0.62 | 0.05 | 1.25 | 0.37 | 0.00 | 0.00 | 1.04 | 3.33 | | | | | | | | |
| | W25XX008 | 0.64 | 0.05 | 1.72 | 0.51 | 0.00 | 0.00 | 1.07 | 3.99 | | | | | | | | |
| | W25XX009 | 1.30 | 0.10 | 1.25 | 0.37 | 0.00 | 0.00 | 2.17 | 5.19 | | | | | | | | |
| | W25XX010 | 1.99 | 0.16 | 3.76 | 1.12 | 0.00 | 0.00 | 3.32 | 10.35 | | | | | | | | |
| **W30** | | | | | | | | | | | | | | | | | |
| | W30SO001 | 2.74 | 0.58 | 0.86 | 0.27 | 0.23 | 0.04 | 2.55 | 7.27 | | | | | | | | |
| | W30SO002 | 3.29 | 0.69 | 0.86 | 0.27 | 0.23 | 0.04 | 3.05 | 8.43 | | | | | | | | |
| | W30SO003 | 3.58 | 0.75 | 0.86 | 0.27 | 0.23 | 0.04 | 3.33 | 9.06 | | | | | | | | |
| | W30SO004 | 1.81 | 0.37 | 0.00 | 0.01 | 0.00 | 0.00 | 1.39 | 3.58 | | | | | | | | |
| | W30SO005 | 2.02 | 0.41 | 0.00 | 0.01 | 0.00 | 0.00 | 1.55 | 3.99 | | | | | | | | |
| | W30SO006 | 2.33 | 0.48 | 0.00 | 0.01 | 0.00 | 0.00 | 1.79 | 4.61 | | | | | | | | |
| **W35** | | | | | | | | | | | | | | | | | |
| | W35LC010 | 0.06 | 0.01 | 0.36 | 0.18 | 0.00 | 0.00 | 0.05 | 0.66 | | | | | | | | |
| | W35LC011 | 0.38 | 0.04 | 0.66 | 0.33 | 0.00 | 0.00 | 0.29 | 1.70 | | | | | | | | |
| | W35LC012 | 0.38 | 0.04 | 0.85 | 0.42 | 0.00 | 0.00 | 0.29 | 1.98 | | | | | | | | |
| | W35LC013 | 0.38 | 0.04 | 1.00 | 0.50 | 0.00 | 0.00 | 0.29 | 2.21 | | | | | | | | |
| | W35LC018 | 0.11 | 0.01 | 0.12 | 0.06 | 0.00 | 0.00 | 0.08 | 0.38 | | | | | | | | |
| | W35LC019 | 0.31 | 0.03 | 0.27 | 0.13 | 0.00 | 0.00 | 0.23 | 0.97 | | | | | | | | |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 7 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***W35*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | W35LC020 | 0.47 | 0.05 | 0.63 | 0.31 | 0.00 | 0.00 | 0.36 | 1.82 | | | | | | | | |
| | W35XX020 | 0.19 | 0.03 | 1.45 | 0.43 | 0.00 | 0.00 | 0.23 | 2.33 | | | | | | | | |
| | W35XX021 | 0.49 | 0.08 | 2.24 | 0.67 | 0.03 | 0.01 | 0.60 | 4.12 | | | | | | | | |
| | W35XX022 | 0.49 | 0.08 | 2.38 | 0.71 | 0.03 | 0.01 | 0.61 | 4.31 | | | | | | | | |
| | W35XX023 | 0.83 | 0.13 | 5.94 | 1.77 | 0.03 | 0.01 | 1.02 | 9.73 | | | | | | | | |
| | W35XX024 | 1.35 | 0.21 | 2.93 | 0.87 | 0.03 | 0.01 | 1.65 | 7.05 | | | | | | | | |
| | W35XX025 | 1.51 | 0.24 | 2.57 | 0.77 | 0.03 | 0.01 | 1.84 | 6.97 | | | | | | | | |

# CHAPTER 3 ADJUSTMENTS TO HOURLY RATES

## SECTION I. GENERAL

### 3.1 Contents

This chapter explains the procedures for adjusting the hourly rates shown in table 2-1.

### 3.2 Basis for Equipment Rates

The rates shown in table 2-1 are based on the catalog list price of equipment manufactured in 2000 (3 years old). Area factors used to compute regional ownership and operating expenses are listed in appendix B. All equipment hourly rate elements for average and severe conditions are given in table 2-2. Individual cost elements, which comprise the total hourly rate, are shown in table 2-2. These hourly rate elements are listed by equipment ID No., which corresponds to the equipment shown in table 2-1.

a. Ownership costs consist of two cost elements: depreciation (DEPR) and facilities capital cost of money (FCCM). These elements are located in table 2-1 and table 2-2.

b. Operating costs consist of five cost elements: fuel (FUEL); filters, oil, and grease (FOG); repairs (REPAIR); tire wear (TIRE WEAR); and tire repair (TIRE REPAIR). These elements are located in table 2-2.

### 3.3 Equipment Rate Adjustment Tables

Table 3-1 is used to adjust the ownership (DEPR + FCCM) portion of the average hourly rate and table 3-2 is used to adjust the standby hourly rate shown in table 2-1.

### 3.4 Determination for Use of Equipment Rates in Table 2-1

There are two methods to obtain an hourly equipment rate. The first method is to use the rates in tables 2-1 and 2-2, and modify them as described in this chapter. The second method is to use the step-by-step rate computation shown in figure 2-1. The equipment rates shown in tables 2-1 and 2-2 may be used instead of a step-by-step rate computation when both of the following conditions are met:

a. Cost or pricing data is not available.

b. The contractor's actual unit of equipment is listed in table 2-1 or equivalent in size, capacity, horsepower, and value to the unit of equipment listed in table 2-1.

## SECTION II. RATE ADJUSTMENTS

### 3.5 Rate Adjustments

The ownership and/or the operating portion of the hourly rates and standby hourly rates shall be adjusted whenever one or more of the following rate adjustment conditions exist (rate adjustments are explained in detail in the following paragraphs).

- Changes in operating conditions
- Changes in Cost of Money Rate
- Actual work hours (hrs) exceed 40 hr per week (wk)
- Changes in FUEL cost
- Adjustments to FOG cost
- Equipment of different age than table 2-1
- Rate adjustment for overage equipment
- Rate adjustment for overage equipment standby

There are no rate adjustments for appendix B factors except for fuel cost (electric, gas, diesel off-road, and diesel on-road) and the Cost of Money Rate. Also, there are no rate adjustments for repairs, tire wear, or tire repair.

### 3.6 Changes in Operating Conditions

If difficult or severe conditions are justified by the Contracting Officer, selection or calculation of the appropriate rate is necessary. See chapter 2, section II, for definition of average, difficult, or severe conditions and determination of condition.

### 3.7 Change in Cost of Money Rate (CMR)

The Department of the Treasury adjusts the CMR (Prompt Payment Interest Rate) on or about 1 January and 1 July each year; these revisions are printed in the Federal Register. The Internet address for Prompt Payment Interest Rate is http://www.publicdebt.treas.gov/opd/opdprmt2.htm.

If the CMR shown in chapter 2, section VII, is not the current rate, the FCCM portion of the total hourly rate shall be adjusted upward or downward to match the CMR for the period of equipment use. See appendix I for a listing of historical CMRs. The total hourly rate adjusted for a differing CMR is computed by the formula:

$$\text{Total Hourly Rate} = \text{DEPR/hr} + [(\text{FCCM/hr}) \text{ x } \frac{(\text{NEW CMR})]}{(\text{Old CMR})} + \text{Operating Costs/hr}$$

Example: Assume that table 2-1 includes a crane [*category (CAT) C80, subcategory (SUB) 0.02]* with hourly costs as shown in the following example. The CMR has increased from 5.00 percent to a current rate of 6.00 percent (increase of 20 percent). The total hourly rate for this piece of equipment is determined as follows:

Assumptions for Total Hourly Rate with CMR of 5.00%:

| | |
|---|---|
| DEPR | =$30.00/hr |
| FCCM | =$10.00/hr |
| Operating Costs (FUEL, FOG, TIRE WEAR, TIRE REPAIR, and REPAIR) | =$40.00/hr |
| Total Hourly Rate (Based on a 40 hr/wk) | =$80.00/hr |

Adjustment Calculation of Total Hourly Rate for New CMR of 6.00%:

$30.00/hr + [($10.00/hr) x (6.00%)] + $40.00/hr =$82.00/hr
(5.00%)

## 3.8 Actual Work Hours Greater than 40 Hours per Week

If the actual number of work hours per week is greater than 40 hours, an adjustment shall be made to the FCCM element of the ownership cost. The FCCM is to be paid up to a maximum of 40 hours per week (7 calendar days). To calculate a multi-shift rate, prorate the 40-hour FCCM over the actual hours per week, as follows:

Total Hourly Rate = DEPR/hr + [(FCCM/hr) x (40 hr/wk)] + Operating Costs/hr
(Actual Work hr/wk)

Example: Assume that table 2-1 includes a crane *(category C80, subcategory 0.02)* with the below hourly costs. This crane worked 10 hours per day, 6 days per week (60 hours per week). The total hourly rate for this piece of equipment is determined as follows:

Assumptions for Total Hourly Rate for 40 Hours/Week:

| | |
|---|---|
| DEPR | =$30.00/hr |
| FCCM | =$10.00/hr |
| Operating Costs (FUEL, FOG, TIRE WEAR, TIRE REPAIR, and REPAIR) | =$40.00/hr |
| Total Hourly Rate (40 hr/wk) | =$80.00/hr |

Adjustment Calculation of Total Hourly Rate for 60 Hours/Week:

$30.00/hr + [($10.00/hr) x (40 hr/wk)] + $40.00/hr =$76.67/hr
(60 hr/wk)

## 3.9 Changes in Fuel Cost

Hourly fuel costs (including electricity) shall be adjusted in the event the average fuel prices at the jobsite vary by more than 10 percent above or below the price in appendix B. The contractor shall be required to furnish copies of all fuel supply contracts and invoices to the government to support fuel cost adjustment. Request for upward adjustment in the rates will be considered only when fuel is supplied by recognized distributors of bulk quantities. Mathematically, this is the ratio of the new

fuel cost divided by the fuel cost (appendix B). To calculate the total hourly rate, apply the ratio of fuel cost, as follows:

$$\text{Total Hourly Rate} = (\text{DEPR/hr} + \text{FCCM/hr}) + (\text{FOG/hr} + \text{TIRE WEAR/hr} + \text{TIRE REPAIR/hr} + \text{REPAIR/hr}) + [\frac{(\text{New Fuel Cost})}{(\text{Fuel Cost in Appendix B})} \text{ x FUEL/hr}]$$

Example: Assume that table 2-1 includes a crane *(category C80, subcategory 0.02)* with the below hourly costs. The fuel cost (diesel off-road) of $1.49/gal from appendix B has increased to $1.80/gal (increase of 20.80 percent). The total hourly rate for this piece of equipment can be determined as follows:

Assumptions for Fuel Cost (based on $1.49/gal from appendix B):

| | |
|---|---|
| DEPR | =$30.00/hr |
| FCCM | =$10.00/hr |
| FOG + TIRE WEAR + TIRE REPAIR + REPAIR | =$30.00/hr |
| FUEL | =$10.00/hr |
| Total Hourly Rate | =$80.00/hr |

Adjustment Calculation for hourly FUEL cost using the new fuel cost of $1.80/gal:

$$(\$30.00/\text{hr} + \$10.00/\text{hr}) + \$30.00/\text{hr} + [\frac{(\$1.80/\text{gal})}{(\$1.49/\text{gal})} \text{ x } \$10.00/\text{hr}] = \$82.08/\text{hr}$$

## 3.10 Adjustments to Fuel, Oil, and Grease (FOG) Cost

The hourly FOG allowance shall also be adjusted upward or downward by applying the same ratio (new fuel cost divided by fuel cost shown in appendix B) as the fuel costs change using the methodology as shown in paragraph 3-9.

## 3.11 Equipment of Different Age than Table 2-1

When the age of the equipment is newer or older than the age of the equipment listed in table 2-1, table 3-1 factors may be used to adjust the hourly rate (see paragraph 3-4 for guidance), otherwise the step-by-step calculation method (as shown in figure 2-1) is necessary. To adjust the hourly rate using the tables, the factors given in table 2-1 are multiplied by the hourly ownership costs shown in table 3-1. The result is an ownership rate adjusted for the actual age of the equipment. Note: Age adjustment factors in tables 3-1 and 3-2 vary by region.

a. When the age of a unit of equipment is older than the age of the equipment listed in table 2-1 (purchased new in 2000) and does not exceed the years of economic life, adjust the hourly rate as shown in the next example. The years of economic life is determined by dividing hours of LIFE (from appendix D) by Working Hours Per Year (WHPY) (from appendix B).

Example: Assume that table 2-1 includes a crane *(category C80, subcategory 0.02)* manufactured in 2000 and has a total hourly rate of $65 per hour and an ownership rate of $30 per hour. If an equivalent crane owned by a contractor was manufactured in 1994, the total hourly rate is determined as follows:

Table 2-1 Rate and Adjustment Calculation:

| | |
|---|---|
| Total hourly rate | = $65.00/hr |
| Ownership rate 2000 (DEPR + FCCM) | =-($30.00)/hr |
| Ownership rate 1994 adjusted for age (Ownership rate = $30) x (0.89 the age adjustment factor from table 3-1, for category C80, subcategory 0.02, and for the year 1994.) | = +$26.70/hr |
| Total hourly rate for equipment manufactured in 1994 | = $61.70/hr |

b. When the unit of equipment is older than the age of equipment listed in table 2-1 (purchased new in 2000) and exceeds the years of economic life, adjust the hourly rate as shown in the example for overage equipment in paragraph 3-12.a.

c. When the unit of equipment is newer than the equipment listed in table 2-1 (purchased new in 2000), use the adjustment factor in table 3-1 for the year of manufacture. If the equipment is newer than the most recent year shown in table 3-1, use the adjustment factor in the column of the most recent year. Once the adjustment factor is determined from table 3-1, complete the adjustment calculation as shown in the example above. The step-by-step calculation method shown in figure 2-1 may also be used.

## 3.12 Rate Adjustment for Overage Equipment

If the contractor's equipment exceeds the economic life in hours (from appendix D), it is considered overage, and the rates shall be adjusted.

a. The total hourly operating rate for overage equipment (no matter how old) shall be computed on the basis that the equipment is as old as possible "without" exceeding the hours of LIFE as shown in appendix D. Tables 3-1 and 3-2 show factors for the economic life for equipment based on the current pamphlet year (*e.g.* manufactured in 2000). Select a comparable unit of equipment (horsepower, value, capacity, and size) shown in table 2-1, the total hourly rate can be computed as shown in the following example. If there is no comparable unit of equipment in table 2-1, follow the methodology presented in figure 3-1.

b. The ownership portion of the rate shall be adjusted for equipment that is overage. This adjusted rate is not to exceed the rate for the same unit of equipment that is not overage.

Example: Assume that table 2-1 includes a crane *(category C80, subcategory 0.02)* manufactured in 2000, has a total hourly rate of $65 per hour, and an ownership rate of $30 per hour. If an equivalent crane owned by a contractor was manufactured in 1974 (maximum life 1989), this crane is overage and the total hourly rate is determined as follows:

Table 2-1 Rate and Adjustment Calculation:

| | | |
|---|---|---|
| Total hourly rate | = | $65.00/hr |
| Ownership rate 2000 (DEPR + FCCM) | = | -($30.00)/hr |
| Ownership rate 1974 adjusted for age (Ownership rate = $30.00) x (0.89 use the oldest age adjustment factor from table 3-1, for category C80, subcategory 0.02, the last year shown.) | = | +$26.70/hr |
| Total hourly rate for equipment manufactured in 1994 | = | $61.70/hr |

## 3.13 Standby Rate Adjustment for Equipment of a Different Age than Table 2-1

If the equipment age is other than listed in table 2-1 (purchased new in 2000), adjustment to the hourly standby rate is required. When the age of the equipment is newer or older than the age of the equipment listed in table 2-1, table 3-2 factors may be used to adjust the hourly rate, otherwise the step-by-step calculation method is necessary. The result is a standby rate adjusted for the actual age of the equipment.

a. Standby rates for overage equipment are based on the actual age of the equipment. The age adjustment factor given in table 3-2 is multiplied by the hourly standby cost shown in table 2-1 for the listed or comparable unit of equipment. This results in a standby rate adjusted for the actual age of the unit of equipment being considered.

Hourly Standby Rate Adjusted for Actual Age =
Hourly Standby Rate x Age Adjustment Factor

Example: Assume that table 2-1 includes a crane (*category C80, subcategory 0.02*) manufactured in 2000 and has a standby rate of $18.31 per hour. If an equivalent crane owned by a contractor was manufactured in 1994, the hourly standby rate is determined as follows:

| | | |
|---|---|---|
| Hourly Standby Rate (table 2-1) | = | $18.31/hr |
| Age Adjustment Factor (table 3-2) for category C80, subcategory 0.02, and for 1994 (actual year of manufacture) | = | 0.89 |

Adjustment Calculation:

| | |
|---|---|
| Hourly Standby Rate Adjusted for Actual Age | =$18.31/hr |
| (Hourly Standby Rate) x 0.89 (Age Adjustment Factor) | =$16.30/hr |

b. When the unit of equipment is newer than the equipment listed in table 2-1 (purchased new in 2000), use the adjustment factor in table 3-2 for the year of manufacture. Once the adjustment factor is determined from table 3-2, complete the adjustment calculation as shown in the example above. The step-by-step calculation method shown in figure 3-2 may also be used.

c. When the equipment age is older than the last year shown in table 3-2 or newer than the first year shown in table 3-2, the standby rate must be calculated using the step-by-step methodology shown in figure 3-2.

## 3.14 Equipment Purchased Used

A detailed methodology for computing a total hourly rate for equipment purchased used is not included in this pamphlet.

a. When actual cost data in accordance with chapter 1 is not available, an hourly rate and standby rate for equipment purchased used can be computed on the basis that the equipment was purchased new by the contractor in the year it was manufactured. Consideration for the actual age of used equipment may require an adjustment for overage.

b. The condition of the used equipment at the time of purchase should consider the extent of capital improvements, mechanical condition, and previous hours of operation. These conditions are difficult or impossible to determine and evaluate when computing a total hourly rate based on actual acquisition cost.

## 3.15 Rate Calculation Examples

Figure 3-1 illustrates how total hourly rates are adjusted for overage equipment. Figure 3-2 gives a sample calculation for computing adjusted standby rates.

**Table 3-1. Equipment Age Adjustment Factors**

for

Ownership Costs

The factors in this table are used when the age of a unit of equipment is other than the age of the equipment listed in table 2-1 (purchased new in 2000).

The factors are multiplied by the hourly ownership costs (shown in table 2-1) and result in an ownership rate adjusted for the actual age of the equipment being considered.

When the actual "life" in hours of the unit of equipment has exceeded the economic life given in appendix D, the age will be determined as discussed in chapter 3.

Refer to chapter 3, as follows:

**3-11. Equipment of Different Age than Table 2-1**

**3-12. Rate Adjustment for Overage Equipment**

# Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| A10 | 0.00 | AGGREGATE / CHIP SPREADERS | | | | | | | | | | | | | | | | | | |
| A10 | 0.10 | SELF-PROPELLED | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | | | | | | | | | | | | | |
| A10 | 0.20 | TOWED & TAILGATE | 1.05 | 1.02 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| A15 | 0.00 | AIR COMPRESSORS, PORTABLE | | | | | | | | | | | | | | | | | | |
| A15 | 0.10 | ROTARY SCREW | 1.03 | 1.01 | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | |
| A15 | 0.20 | SHOP TYPE | 1.03 | 1.01 | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | | | |
| A20 | 0.00 | AIR HOSE, TOOLS & EQUIPMENT | | | | | | | | | | | | | | | | | | |
| A20 | 0.10 | AIR DRILL HOSE | 1.02 | 1.01 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| A20 | 0.20 | SANDBLAST HOSE | 1.02 | 1.01 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| A20 | 0.30 | SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS | 1.02 | 1.01 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| A25 | 0.00 | ASPHALT PAVING DISTRIBUTORS | 1.05 | 1.02 | 1.01 | 1.00 | | | | | | | | | | | | | | |
| A30 | 0.00 | ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT | | | | | | | | | | | | | | | | | | |
| A30 | 0.10 | SELF PROPELLED | 1.05 | 1.02 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| A30 | 0.20 | TOWED | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | 0.96 | 0.93 | | | | | | | | | | | |
| A30 | 0.30 | SLURRY SEAL PAVERS (Cold mix) | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | 0.96 | 0.93 | 0.89 | | | | | | | | | | |
| A30 | 0.40 | MISCELLANEOUS ROAD EQUIPMENT | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | 0.96 | 0.93 | | | | | | | | | | | |
| A35 | 0.00 | ASPHALT PAVING KETTLES | 1.05 | 1.02 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| A40 | 0.00 | ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS | 1.05 | 1.02 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| A45 | 0.00 | ASPHALT RECYCLERS & SEALERS | 1.05 | 1.02 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| B10 | 0.00 | BATCH PLANTS, ASPHALT & CONCRETE | | | | | | | | | | | | | | | | | | |
| B10 | 0.10 | ASPHALT | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | | | | | | | | | | | | | |
| B10 | 0.20 | CONCRETE | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | | | | | | | | | | | | | |
| B10 | 0.30 | PUGMILL | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | 0.96 | 0.93 | | | | | | | | | | | |
| B15 | 0.00 | BROOMS, STREET SWEEPERS & FLUSHERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| B20 | 0.00 | BRUSH CHIPPERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| B25 | 0.00 | BUCKETS, CLAMSHELL | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | |
| B30 | 0.00 | BUCKETS, CONCRETE | | | | | | | | | | | | | | | | | | |

# Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| B30 | 0.10 | GENERAL PURPOSE, MANUAL TRIP | 1.08 | 1.05 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | |
| B30 | 0.20 | LAYDOWN | 1.08 | 1.05 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | |
| B30 | 0.30 | LOWBOY | 1.08 | 1.05 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | |
| B30 | 0.40 | LOW SLUMP | 1.08 | 1.05 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | |
| B35 | 0.00 | BUCKETS, DRAGLINE | | | | | | | | | | | | | | | | | | |
| B35 | 0.10 | LIGHT WEIGHT | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | |
| B35 | 0.20 | MEDIUM WEIGHT | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | |
| B35 | 0.30 | HEAVY WEIGHT | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | |
| C05 | 0.00 | CHAIN SAWS | 1.04 | 1.02 | | 1.00 | | | | | | | | | | | | | | |
| C10 | 0.00 | COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER | | | | | | | | | | | | | | | | | | |
| C10 | 0.10 | COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| C10 | 0.20 | ROLLERS, VIBRATORY | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| C15 | 0.00 | CONCRETE CLEANERS / BLASTERS | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| C20 | 0.00 | CONCRETE BUGGIES | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| C25 | 0.00 | CONCRETE FINISHERS/SCREEDS/SPREADERS | | | | | | | | | | | | | | | | | | |
| C25 | 0.10 | FINISHERS/TROWELS | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| C25 | 0.20 | VIBRATORY SCREED | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| C25 | 0.25 | VIBRATORY LASER SCREED | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| C25 | 0.30 | MATERIAL/TOPPING SPREADERS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| C30 | 0.00 | CONCRETE GRINDERS | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| C35 | 0.00 | CONCRETE GUNITERS / SHOTCRETERS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| C40 | 0.00 | CONCRETE MIXING UNITS | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| C45 | 0.00 | CONCRETE PAVING MACHINES | 1.05 | 1.02 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| C55 | 0.00 | CONCRETE PUMPS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| C60 | 0.00 | CONCRETE SAWS (Add cost for sawblade wear) | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| C65 | 0.00 | CONCRETE VIBRATORS | 1.02 | 1.01 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| C70 | 0.00 | CRANES, GANTRY & STRADDLE | | | | | | | | | | | | | | | | | | |

# Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| C75 | 0.00 | CRANES, HYDRAULIC, SELF-PROPELLED | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | | | | | | | | | |
| C80 | 0.00 | CRANES, HYDRAULIC, TRUCK MOUNTED | | | | | | | | | | | | | | | | | | |
| C80 | 0.01 | UNDER 26 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | | | | | | | | | |
| C80 | 0.02 | 26 TON THRU 65 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | | | | | | | | |
| C80 | 0.03 | 66 TON THRU 125 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | | | | | | |
| C80 | 0.04 | OVER 125 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | | | | | |
| C85 | 0.00 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED | | | | | | | | | | | | | | | | | | |
| C85 | 0.11 | DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | | | | | | | | | |
| C85 | 0.12 | DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | | | | | | | | |
| C85 | 0.13 | DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.87 | 0.83 | | | | | | |
| C85 | 0.14 | DRAGLINE, CLAMSHELL, OVER 5.0 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.88 | 0.87 | 0.83 | 0.78 | | | | | |
| C85 | 0.21 | LIFTING, 0 THRU 25 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | | | | | | | | |
| C85 | 0.22 | LIFTING, 26 TON THRU 50 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.87 | 0.83 | | | | | | |
| C85 | 0.23 | LIFTING, 51 TON THRU 150 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | | | | | |
| C85 | 0.24 | LIFTING, OVER 150 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | | | | |
| C90 | 0.00 | CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED | | | | | | | | | | | | | | | | | | |
| C90 | 0.01 | UNDER 26 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | | | | | | | | | |
| C90 | 0.02 | 26 TON THRU 65 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | | | | | | | | |
| C90 | 0.03 | 66 TON THRU 125 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.87 | 0.83 | | | | | | |
| C90 | 0.04 | OVER 125 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.88 | 0.87 | 0.83 | 0.78 | | | | | |
| C95 | 0.00 | CRANES, TOWER | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.87 | 0.83 | | | | | | |
| D10 | 0.00 | DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE (Add cost for drill steel and bit wear) | | | | | | | | | | | | | | | | | | |
| D10 | 0.10 | AIR TRACK (Add cost for drill steel and bit wear) | 1.15 | 1.13 | 1.03 | 1.00 | 0.98 | 0.96 | 0.94 | 0.93 | 0.88 | | | | | | | | | |
| D10 | 0.20 | HYDRAULIC TRACK (Add cost for drill steel and bit wear) | 1.15 | 1.13 | 1.03 | 1.00 | 0.98 | 0.96 | 0.94 | | | | | | | | | | | |
| D15 | 0.00 | DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear) | 1.15 | 1.13 | 1.03 | 1.00 | 0.98 | 0.96 | 0.94 | | | | | | | | | | | |
| D20 | 0.00 | DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear) | 1.15 | 1.13 | 1.03 | 1.00 | 0.98 | | | | | | | | | | | | | |
| D25 | 0.00 | DRILLS, CORE, SKID MOUNTED (Add cost for drill steel and bit wear) | 1.15 | 1.13 | 1.03 | 1.00 | 0.98 | 0.96 | 0.94 | | | | | | | | | | | |

# Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| D30 | 0.00 | DRILLS, EARTH / AUGER (Add cost for drill steel and cutting edge wear) | 1.15 | 1.13 | 1.03 | 1.00 | 0.98 | 0.96 | 0.94 | | | | | | | | | | | |
| D35 | 0.00 | DRILLS, ROTARY BLASTHOLE (Add cost for drill steel and bit wear) | | | | | | | | | | | | | | | | | | |
| D35 | 0.11 | DIESEL, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear) | 1.14 | 1.12 | 1.03 | 1.00 | 0.98 | 0.96 | 0.95 | 0.93 | 0.89 | | | | | | | | | |
| D35 | 0.12 | DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear) | 1.14 | 1.12 | 1.03 | 1.00 | 0.98 | 0.96 | 0.95 | 0.93 | 0.89 | 0.87 | 0.85 | 0.83 | | | | | | |
| D35 | 0.21 | ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear) | 1.14 | 1.12 | 1.03 | 1.00 | 0.98 | 0.96 | 0.95 | 0.93 | 0.89 | | | | | | | | | |
| D35 | 0.22 | ELECTRIC, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear) | 1.14 | 1.12 | 1.03 | 1.00 | 0.98 | 0.96 | 0.95 | 0.93 | 0.89 | 0.87 | 0.85 | 0.83 | | | | | | |
| F10 | 0.00 | FORK LIFTS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| G10 | 0.00 | GENERATOR SETS | | | | | | | | | | | | | | | | | | |
| G10 | 0.10 | PORTABLE | 1.02 | 1.01 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | |
| G10 | 0.20 | SKID MOUNTED | 1.02 | 1.01 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | |
| G15 | 0.00 | GRADERS, MOTOR | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.94 | 0.91 | 0.90 | 0.84 | | | | | | | | | |
| H10 | 0.00 | HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear) | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| H13 | 0.00 | HAZARDOUS/TOXIC WASTE EQUIPMENT | | | | | | | | | | | | | | | | | | |
| H13 | 0.11 | COMPACTORS (Compression force) 0 THRU 50 TONS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| H13 | 0.12 | COMPACTORS (Compression force) OVER 50 TONS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | | | | | | | | | | |
| H13 | 0.21 | FILTER PRESSES, STATIONARY | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| H13 | 0.22 | FILTER PRESSES, MOBILE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| H13 | 0.30 | CENTRIFUGES | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| H13 | 0.40 | SHREDDERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| H13 | 0.51 | SOIL TREATMENT PLANT, MOBILE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| H13 | 0.61 | SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| H13 | 0.71 | WASTE HANDLING EQUIPMENT, DRUM HANDLING | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| H15 | 0.00 | HEATERS, SPACE | | | | | | | | | | | | | | | | | | |
| H20 | 0.00 | HOISTS & AIR WINCHES | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | | | | | | | | | | | | |
| H25 | 0.00 | HYDRAULIC EXCAVATORS, CRAWLER MOUNTED | | | | | | | | | | | | | | | | | | |
| H25 | 0.10 | 0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS) | 1.10 | 1.07 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| H25 | 0.11 | OVER 12,500 LBS THRU 40,000 LBS | 1.10 | 1.07 | 1.00 | 1.00 | 0.99 | 0.98 | | | | | | | | | | | | |

# Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| H25 | 0.12 | OVER 40,000 LBS THRU 100,000 LBS | 1.10 | 1.07 | 1.00 | 1.00 | 0.99 | 0.98 | 0.95 | 0.93 | | | | | | | | | | |
| H25 | 0.13 | OVER 100,000 LBS THRU 160,000 LBS | 1.10 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.88 | | | | | | | | |
| H25 | 0.14 | OVER 160,000 LBS | 1.10 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.82 | | | | | | |
| H25 | 0.21 | ATTACHMENTS, MOBILE SHEARS | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| H25 | 0.22 | ATTACHMENTS, MATERIAL HANDLING | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| H25 | 0.23 | ATTACHMENTS, CONCRETE PULVERIZERS | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| H25 | 0.24 | ATTACHMENTS, COMPACTORS | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| H30 | 0.00 | HYDRAULIC EXCAVATORS, WHEEL MOUNTED | | | | | | | | | | | | | | | | | | |
| H30 | 0.01 | 0 THRU 1.0 CY | 1.10 | 1.07 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| H30 | 0.02 | OVER 1.0 CY | 1.10 | 1.07 | 1.00 | 1.00 | 0.99 | 0.98 | 0.95 | | | | | | | | | | | |
| H35 | 0.00 | HYDRAULIC SHOVELS, CRAWLER MOUNTED | | | | | | | | | | | | | | | | | | |
| H35 | 0.11 | DIESEL, 0 CY THRU 5.0 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | | | | | | | | | |
| H35 | 0.12 | DIESEL, OVER 5.0 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | | | | | | | | |
| H35 | 0.21 | ELECTRIC, OVER 2.5 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.87 | 0.83 | | | | | | |
| L10 | 0.00 | LAND CLEARING EQUIPMENT | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.95 | 0.93 | | | | | | | | | | | |
| L15 | 0.00 | LANDSCAPING EQUIPMENT | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| L20 | 0.00 | LIGHTING SETS, TRAILER MOUNTED | | | | | | | | | | | | | | | | | | |
| L20 | 0.10 | METALLIC VAPOR | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| L25 | 0.00 | LINE STRIPING EQUIPMENT | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| L30 | 0.00 | LOADERS, BELT (Conveyor belts) & ACCESSORIES | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| L35 | 0.00 | LOADERS, FRONT END, CRAWLER TYPE | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.95 | 0.93 | | | | | | | | | | | |
| L40 | 0.00 | LOADERS, FRONT END, WHEEL TYPE | | | | | | | | | | | | | | | | | | |
| L40 | 0.11 | ARTICULATED, 0 THRU 225 HP | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.96 | | | | | | | | | | | | |
| L40 | 0.12 | ARTICULATED, OVER 225 HP | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.97 | 0.94 | 0.93 | 0.90 | | | | | | | | | |
| L40 | 0.20 | SKID STEER | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | | | | | | | | | | | | | |
| L40 | 0.21 | SKID STEER ATTACHMENTS | 1.04 | 1.01 | 1.01 | 1.00 | | | | | | | | | | | | | | |
| L40 | 0.31 | TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.96 | 0.94 | | | | | | | | | | | |

# Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

| CATEGORY | SUB | REGION 7 | Life in Years | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Year Purchased New | | | | | | | | | | | | | | | | | |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | TYPE OF EQUIPMENT | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| L40 | 0.32 | TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP | 1.04 | 1.01 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | | | | | | | | | | |
| L45 | 0.00 | LOADERS / BACKHOE, CRAWLER TYPE | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | | | | | | | | | | | | | |
| L50 | 0.00 | LOADERS / BACKHOE, WHEEL TYPE | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.96 | 0.94 | | | | | | | | | | | |
| L55 | 0.00 | LOADER / BACKHOE, ATTACHMENTS | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| L60 | 0.00 | LOG SKIDDERS | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.95 | 0.93 | | | | | | | | | | | |
| M10 | 0.00 | MARINE EQUIPMENT (NON DREDGING) | | | | | | | | | | | | | | | | | | |
| M10 | 0.11 | AQUATIC MAINTENANCE | 1.08 | 1.04 | 1.03 | 1.00 | 0.98 | 0.97 | 0.96 | | | | | | | | | | | |
| M10 | 0.12 | AQUATIC MAINTENANCE ATTACHMENTS | 1.08 | 1.04 | 1.03 | 1.00 | | | | | | | | | | | | | | |
| M10 | 0.21 | HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABLE | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.87 | | | | | | | | |
| M10 | 0.22 | HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.87 | | | | | | | | |
| M10 | 0.23 | HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.87 | | | | | | | | |
| M10 | 0.24 | HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| M10 | 0.25 | HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE | 1.08 | 1.04 | 1.03 | 1.00 | | | | | | | | | | | | | | |
| M10 | 0.26 | HYDRAULIC DREDGE / PUMP ATTACHMENTS | 1.08 | 1.04 | 1.03 | 1.00 | | | | | | | | | | | | | | |
| M10 | 0.31 | SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | | | | | |
| M10 | 0.32 | SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | |
| M10 | 0.33 | SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH | 1.07 | 1.04 | 1.03 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.86 | 0.85 | 0.81 | 0.76 | | | | | |
| M10 | 0.41 | WORK FLOATS (NON-DREDGING) | 1.07 | 1.04 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| M10 | 0.42 | WORK BARGES (SECTIONAL, NON-DREDGING) | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.92 | 0.89 | 0.87 | 0.86 | 0.82 | 0.77 | 0.74 | 0.71 | 0.68 | 0.67 | 0.66 |
| M10 | 0.45 | FLAT-DECK OR CARGO BARGE (NON-DREDGING) | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.93 | 0.89 | 0.88 | 0.86 | 0.83 | 0.79 | 0.76 | 0.72 | 0.69 | 0.69 | 0.68 |
| M10 | 0.46 | DUMP SCOW (NON-DREDGING) | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.93 | 0.89 | 0.88 | 0.86 | 0.83 | 0.79 | 0.76 | 0.72 | 0.69 | 0.69 | 0.68 |
| M10 | 0.47 | DRILL BARGE (NON-DREDGING) | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.93 | 0.89 | 0.87 | 0.86 | 0.82 | 0.78 | 0.75 | 0.72 | 0.69 | 0.68 | 0.67 |
| M10 | 0.48 | ALL OTHER BARGES (NON-DREDGING) | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.93 | 0.89 | 0.87 | 0.86 | 0.82 | 0.78 | 0.75 | 0.72 | 0.69 | 0.68 | 0.67 |
| M10 | 0.51 | BOATS & LAUNCHES, 0 THRU 250 HP | 1.08 | 1.04 | 1.03 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.86 | | | | | | | | |
| M10 | 0.53 | BOATS & LAUNCHES, 251 THRU 500 HP | 1.08 | 1.04 | 1.03 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.86 | 0.85 | 0.81 | | | | | | |
| M10 | 0.54 | TUGS, 501 THRU 1,000 HP | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.87 | 0.85 | 0.82 | 0.77 | 0.74 | 0.70 | 0.67 | 0.67 | 0.66 |
| M10 | 0.55 | TUGS, 1,000 THRU 2,000 HP | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.93 | 0.89 | 0.87 | 0.86 | 0.82 | 0.78 | 0.74 | 0.71 | 0.68 | 0.67 | 0.67 |

# Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| P10 | 0.00 | PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS | 1.06 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| P20 | 0.00 | PILE HAMMERS, DOUBLE ACTING | | | | | | | | | | | | | | | | | | |
| P20 | 0.10 | DIESEL | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| P20 | 0.20 | PNUEMATIC (STEAM/AIR) | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| P25 | 0.00 | PILE HAMMERS, SINGLE ACTING | | | | | | | | | | | | | | | | | | |
| P25 | 0.10 | DIESEL | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| P25 | 0.20 | PNUEMATIC (STEAM/AIR) | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| P30 | 0.00 | PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| P35 | 0.00 | PIPELAYERS | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.95 | 0.93 | 0.92 | 0.88 | | | | | | | | | |
| P40 | 0.00 | PLATFORMS & MAN-LIFTS | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | |
| P45 | 0.00 | PUMPS, GROUT | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P50 | 0.00 | PUMPS, WATER, CENTRIFUGAL, TRASH | | | | | | | | | | | | | | | | | | |
| P50 | 0.11 | ENGINE DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P50 | 0.12 | ELECTRIC DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P50 | 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P50 | 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P50 | 0.31 | HOSES, PUMP, SUCTION & DISCHARGE | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| P55 | 0.00 | PUMPS, WATER, SUBMERSIBLE | | | | | | | | | | | | | | | | | | |
| P55 | 0.01 | ENGINE DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P55 | 0.02 | ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P60 | 0.00 | PUMPS, WATER, CENTRIFUGAL, DEWATERING | | | | | | | | | | | | | | | | | | |
| P60 | 0.11 | SKID MOUNTED, ENGINE DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P60 | 0.12 | SKID MOUNTED, ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P60 | 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P60 | 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P65 | 0.00 | PUMPS, WATER, DIAPHRAGM | | | | | | | | | | | | | | | | | | |
| P65 | 0.11 | SKID MOUNTED, ENGINE DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |

# Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

| CATEGORY | SUB | REGION 7 | Life in Years | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Year Purchased New | | | | | | | | | | | | | | | | | |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | TYPE OF EQUIPMENT | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| P65 | 0.12 | SKID MOUNTED, ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P65 | 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P65 | 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P70 | 0.00 | PUMPS, WATER (For core drills) | | | | | | | | | | | | | | | | | | |
| P70 | 0.01 | ENGINE DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| P70 | 0.02 | ELECTRIC DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| R10 | 0.00 | RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear) | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | | | | | | | | | | | | | |
| R15 | 0.00 | ROLLERS, STATIC, TOWED, PNEUMATIC | 1.06 | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | | | | | | | | | | | |
| R20 | 0.00 | ROLLERS, STATIC, TOWED, STEEL DRUM | 1.06 | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | | | | | | | | | | | |
| R30 | 0.00 | ROLLERS, STATIC, SELF-PROPELLED | | | | | | | | | | | | | | | | | | |
| R30 | 0.01 | PNEUMATIC | 1.06 | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | |
| R30 | 0.02 | SMOOTH DRUM | 1.06 | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | | | | | | | | | | | |
| R30 | 0.03 | TAMPING FOOT, LANDFILL & SOIL COMPACTORS | 1.06 | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.96 | | | | | | | | | | |
| R40 | 0.00 | ROLLERS, VIBRATORY, TOWED | 1.06 | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | |
| R45 | 0.00 | ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM | 1.06 | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | |
| R50 | 0.00 | ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM | 1.07 | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | |
| R55 | 0.00 | ROOFING EQUIPMENT | 1.04 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| S10 | 0.00 | SCRAPERS, ELEVATING | | | | | | | | | | | | | | | | | | |
| S10 | 0.01 | 0 THRU 200 HP | 1.04 | 1.02 | 1.01 | 1.00 | 0.98 | 0.94 | 0.92 | | | | | | | | | | | |
| S10 | 0.02 | OVER 200 HP | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.94 | 0.91 | 0.90 | | | | | | | | | | |
| S15 | 0.00 | SCRAPERS, CONVENTIONAL | 1.04 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.85 | 0.83 | | | | | | | | |
| S20 | 0.00 | SCRAPERS, TANDEM POWERED | 1.04 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.85 | 0.83 | | | | | | | | |
| S25 | 0.00 | SCRAPERS, TRACTOR DRAWN | 1.04 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | | | | | | | | | | |
| S30 | 0.00 | SCREENING & CRUSHING PLANTS | | | | | | | | | | | | | | | | | | |
| S30 | 0.10 | CONVEYORS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| S30 | 0.20 | CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.98 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.86 | 0.83 | 0.81 | 0.77 | 0.74 | | |
| S30 | 0.21 | CRUSHERS - CONE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.98 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.86 | 0.83 | 0.81 | 0.77 | 0.74 | | |

# Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New 0 / 2003 | 1 / 2002 | 2 / 2001 | 3 / 2000 | 4 / 1999 | 5 / 1998 | 6 / 1997 | 7 / 1996 | 8 / 1995 | 9 / 1994 | 10 / 1993 | 11 / 1992 | 12 / 1991 | 13 / 1990 | 14 / 1989 | 15 / 1988 | 16 / 1987 | 17 / 1986 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S30 | 0.22 | CRUSHERS - JAW | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.98 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.86 | 0.83 | 0.81 | 0.77 | 0.74 | | |
| S30 | 0.30 | SCREENING PLANT | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| S35 | 0.00 | SNOW REMOVAL EQUIPMENT | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| S40 | 0.00 | SOIL & ROAD STABILIZERS | 1.04 | 1.02 | 1.01 | 1.00 | 0.98 | 0.94 | 0.92 | | | | | | | | | | | |
| S45 | 0.00 | SPLITTERS, ROCK & CONCRETE | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| T10 | 0.00 | TRACTOR BLADES & ATTACHMENTS | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.95 | 0.93 | | | | | | | | | | | |
| T15 | 0.00 | TRACTORS, CRAWLER (DOZER) (includes blade) | | | | | | | | | | | | | | | | | | |
| T15 | 0.01 | 0 THRU 225 HP | 1.04 | 1.01 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | | | | | | | | | | | |
| T15 | 0.02 | 226 HP THRU 425 HP | 1.04 | 1.01 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.91 | | | | | | | | | | |
| T15 | 0.03 | OVER 425 HP | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.95 | 0.93 | 0.92 | 0.88 | 0.85 | | | | | | | | |
| T20 | 0.00 | TRACTORS, WHEEL TYPE (DOZER) | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.95 | 0.93 | 0.91 | 0.91 | | | | | | | | | |
| T25 | 0.00 | TRACTORS, AGRICULTURAL | | | | | | | | | | | | | | | | | | |
| T25 | 0.10 | CRAWLER | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.95 | 0.93 | | | | | | | | | | | |
| T25 | 0.20 | WHEEL | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| T30 | 0.00 | TRENCHERS, CHAIN TYPE CUTTER | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| T35 | 0.00 | TRENCHERS, WHEEL TYPE CUTTER | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| T40 | 0.00 | TRUCK OPTIONS | | | | | | | | | | | | | | | | | | |
| T40 | 0.10 | CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| T40 | 0.20 | DUMP BODY, REAR | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| T40 | 0.30 | FLATBEDS, WITH SIDES | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| T40 | 0.41 | HOIST, ELECTRIC DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| T40 | 0.50 | TRANSIT MIXERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| T40 | 0.60 | WATER TANKS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| T40 | 0.70 | ALL OTHER OPTIONS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| T45 | 0.00 | TRUCK TRAILERS | | | | | | | | | | | | | | | | | | |
| T45 | 0.10 | BOTTOM DUMP | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| T45 | 0.20 | END DUMP | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |

# Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| T45 | 0.30 | PUP TRAILER | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| T45 | 0.41 | LOWBOY, RIGID NECK, DROP DECK | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| T45 | 0.50 | FLATBED TRAILER | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| T45 | 0.60 | MISCELLANEOUS / UTILITY | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| T45 | 0.70 | WATER TANKER TRAILER | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.94 | | | | | | | | | | | |
| T45 | 0.80 | DECONTAMINATION FACILITY | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| T45 | 0.90 | TANK TRAILERS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.94 | | | | | | | | | | | |
| T50 | 0.00 | TRUCKS, HIGHWAY (Add attachments as required) | | | | | | | | | | | | | | | | | | |
| T50 | 0.01 | 0 THRU 10,000 GVW | 1.06 | 1.03 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | |
| T50 | 0.02 | OVER 10,000 THRU 30,000 GVW (Chassis only - Add options) | 1.06 | 1.03 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | |
| T50 | 0.03 | OVER 30,000 GVW (Chassis only - Add options) | 1.06 | 1.03 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | | | |
| T55 | 0.00 | TRUCKS, OFF-HIGHWAY | | | | | | | | | | | | | | | | | | |
| T55 | 0.10 | RIGID FRAME | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.89 | 0.84 | 0.81 | 0.80 | 0.79 | | | | | |
| T55 | 0.20 | ARTICULATED FRAME | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.92 | | | | | | | | | | |
| T56 | 0.00 | TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS | | | | | | | | | | | | | | | | | | |
| T56 | 0.10 | PRIME MOVER TRACTORS | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.89 | 0.84 | 0.81 | 0.80 | 0.79 | | | | | |
| T56 | 0.20 | WAGONS, BOTTOM DUMP | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.95 | 0.92 | 0.88 | 0.83 | | | | | | | | |
| T56 | 0.30 | WAGONS, REAR DUMP | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.95 | 0.92 | | | | | | | | | | |
| T57 | 0.00 | TRUCKS, VACUUM | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| T60 | 0.00 | TRUCKS, WATER, OFF-HIGHWAY | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.95 | 0.92 | | | | | | | | | | |
| T65 | 0.00 | TUNNEL/MINING EQUIPMENT | | | | | | | | | | | | | | | | | | |
| T65 | 0.10 | DRIFTING & TUNNELING DRILLS | 1.13 | 1.12 | 1.03 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.89 | | | | | | | | | |
| T65 | 0.20 | TUNNEL BORING MACHINES | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | | | | | | |
| T65 | 0.30 | PRODUCTION DRILLING RIGS | 1.13 | 1.12 | 1.03 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | | | | | | | | | | |
| T65 | 0.40 | ROADHEADERS & CONTINUOUS MINERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | | | | | | | | |
| T65 | 0.50 | ROCK BOLTING EQUIPMENT | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| T65 | 0.61 | LOADING & HAULING EQUIPMENT, DIESEL OR GAS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | | | | | | | | | | |

# Table 3-1 Equipment Age Adjustment Factors for Ownership Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New: 0 / 2003 | 1 / 2002 | 2 / 2001 | 3 / 2000 | 4 / 1999 | 5 / 1998 | 6 / 1997 | 7 / 1996 | 8 / 1995 | 9 / 1994 | 10 / 1993 | 11 / 1992 | 12 / 1991 | 13 / 1990 | 14 / 1989 | 15 / 1988 | 16 / 1987 | 17 / 1986 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T65 | 0.62 | LOADING & HAULING EQUIPMENT, ELECTRIC | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | | | | | | | | | |
| T65 | 0.63 | LOADING & HAULING EQUIPMENT, AIR-POWERED | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.94 | | | | | | | | | | | |
| T65 | 0.70 | LOCOMOTIVES | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | | | | | | | | | | |
| T65 | 0.90 | OTHER TUNNELING EQUIPMENT | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | | | | | | | | | | | |
| W10 | 0.00 | WAGONS, BOTTOM DUMP | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.92 | | | | | | | | | | |
| W15 | 0.00 | WAGONS, REAR DUMP | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.92 | | | | | | | | | | |
| W25 | 0.00 | WATER & CO2 BLASTERS | | | | | | | | | | | | | | | | | | |
| W25 | 0.10 | LOW PRESSURE, (< 5,000 PSI) | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| W25 | 0.20 | HIGH PRESSURE, (>= 5,000 PSI) | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| W25 | 0.30 | STEAM CLEANERS | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| W25 | 0.40 | CO2 BLASTERS | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| W25 | 0.50 | WET ABRASIVE BLASTING SYSTEM (TORBO) | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.94 | | | | | | | | | | | |
| W30 | 0.00 | WATER TANKS | | | | | | | | | | | | | | | | | | |
| W30 | 0.10 | PORTABLE WITH WHEELS | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.95 | 0.92 | | | | | | | | | | |
| W30 | 0.20 | SKID MOUNTED | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.95 | 0.92 | | | | | | | | | | |
| W35 | 0.00 | WELDERS | | | | | | | | | | | | | | | | | | |
| W35 | 0.10 | ENGINE DRIVEN | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | | | | | | | | | | | | | |
| W35 | 0.20 | ELECTRIC DRIVEN | 1.05 | 1.02 | 1.00 | 1.00 | | | | | | | | | | | | | | |

## TOTAL HOURLY RATE CALCULATION FOR OVERAGE EQUIPMENT

## EXAMPLE

Assume the following set of given information for the rate calculation example:

1. The unit of equipment is not listed in table 2-1.

2. The equipment is contractor owned.

3. Data for the unit in question:

   a. Clark front-end wheel loader
   b. Model 125C, 4WD, 4 CY capacity
   c. Serial number indicates year of manufacture = 1986
   d. Actual purchase price in 1986 = $168,280
      (includes all regional discounts, sales tax and freight)
   e. Horsepower is 203 hp (fuel is Diesel off-road)
   f. Drive tire (DT) size = 23.50 x 25, 16 ply, L-3
      DT cost (2003) = 4 tires x $1,769.00 = $7,076.00
   g. Weight = 42,200 lbs

4. Table 3-1, Age Adjustment Factors for Ownership Costs:

   a. The category L40, subcategory 0.11 (wheel loaders < 225 hp)
   b. The year corresponding to the last age adjustment factor = 1997

5. Adjust the actual purchase price:

   a. Economic Indexes from appendix E (wheel loaders EK = 45)
      (1) For 1997 (first year of economic life), the economic index = 5303
      (2) For 1986 (year of manufacture), the economic index = 3991

   b. Purchase price [total equipment value (TEV)] indexed to 1997 (first year of economic life): (Purchase price includes discount, sales tax, and freight for this region).

      (5,303/3,991) x $168,280 = $223,600 (=1997 purchase price)

6. Hourly rate is computed as follows in accordance with figure 2-1, Equipment Rate Computation Worksheet.

**Figure 3-1. Total Hourly Rate Calculation for Overage Equipment**

Use this worksheet to compute rates for equipment that is not in this pamphlet.

1. **EQUIPMENT INFORMATION AND EXPENSE FACTORS**

ID No.: _____

a. Equipment Specification Data:
   (1) Equipment Description: Clark front-end wheel loader
   (2) Model and Series: Model 125C, 4WD, 4 CY capacity
   (3) Year of Use: 2003
   (4) Year Manufactured: 1986
   (5) Horsepower - Equipment: 203
   (6) Horsepower - Carrier: _____
   (7) Fuel type: - Equipment: gas/diesel off-road/diesel on-road/electric/air D-off
   - Carrier: gas/diesel off-road/diesel on-road/electric/air _____
   (8) Shipping Weight (cwt): 367 cwt
   (9) Tire size and number of tires: (Cost of tires based on year of use – see 1.a.(3) and appendix F)

| | No. | Size/Ply | Unit Price | Cost |
|---|---|---|---|---|
| (a) Front (FT): | | | $ | $ |
| (b) Drive (DT): | 4-ANNBS | 23.5x25/16 ply | $ 1,769.00 | $ 7,076.00 |
| (c) Trailing (TT): | | | $ | $ |
| (d) Total Tire Cost: | | | | $ 7,076.00 |

**USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:**

b. Category and Subcategory Number: L40 0.11
c. Hourly Expense Calculation Factors:
   (1) Economic Key (EK): 45
   (2) Condition (C): X Average or Severe or Difficult
   (3) Discount Code (DC): B = 7.5% (0.075) – or – S = 15.0% (0.15) 0.075
   (4) Life in Hours (LIFE): 9,250
   (5) Salvage Value Percentage (SLV): 0.25
   (6) Fuel Factor – Equipment [Electric (E) Gas (G) Diesel (D)]: 0.033
   (7) Fuel Factor – Carrier (E G D): 0.000
   (8) Filters, Oil, and Grease (FOG) Factor (E G D): 0.445
   (9) Tire Wear Factor:
      (a) Front (FT): 0.00
      (b) Drive (DT): 0.42
      (c) Trailing (TT): 0.00
   (10) Repair Cost Factor (RCF): 0.70

**Figure 3-1. Total Hourly Rate Calculation for Overage Equipment**

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2. **EQUIPMENT VALUE**

a. List Price + Accessories: *[at Year of Manufacture]* =$_____

(1) Discount: (List Price + Accessories) x (Discount Code)
[1.c.(3)]

($_____ + $_____) x (_____) =-($_____

(2) Subtotal [2.a.] – [2.a.(1)] Subtotal=$_____

(3) Sales or Import Tax: (Subtotal) x (Tax Rate)
[2.a.(2)] [Appendix B]

($_____) x (_____) =+$_____

(4) Total Discounted Price: Subtotal: [2.a.(2)] + [2.a.(3)] Subtotal=$_____

b. Freight: (Shipping Weight) x (Freight Rate per cwt)
[1.a.(8)] [Appendix B]

(_____cwt) x ($_____/cwt) =+$_____

c. **TOTAL EQUIPOMENT VALUE (TEV):** **TOTAL[2.]:=$**223,600.00
[(2.a.(4)] + [(2.b)]

*(See chapter 3 for used and overage equipment rate adjustments.)*

3. **DEPRECIATION PERIOD (N)**

a. (LIFE hours (hr)) / (Working Hours Per Year (WHPY)) = N
[1.c.(4)] [Appendix B]

(9,250 hr) / (1,630 hr/yr) = 5.67

4. **OWNERSHIP COST**

a. Depreciation

(1) Tire Cost Index (TCI):
(Tire Index, Yr of Mfg) / (Tire Index, Based on 1.a.(3)) = Tire Cost Index (TCI)
[Appendix E, EK=100] [Appendix E, EK=100]

(2,431) / (2,515) = 0.967 (TCI)

(2) [(TEV) x [1.0 - ( SLV )] - [ ( TCI ) x (Tire Cost)]] / ( LIFE )
[2.c.] [1.c.(5)] [4.a.(1)] [1.a.(9)(d)] [1.c.(4)]

[($223,600.00) x [1.0 – (0.250)] – [(0.967) x ($7,076.00)]] / (9,250 hr)

=$17.39 /hr

**Figure 3-1. Standby Hourly Rate Calculation for Overage Equipment**

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4. **OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

(1) [[( N ) - 1.0] x [1.0 + (SLV)] + 2.0] / [2.0x ( N )] = Avg Value Factor
[3.a.] [1.c.5.] [3.a.] (AVF)

[[(5.67 yr) – 1.0] x [1.0 + (0.250 )] + 2.0] / [2.0 x (5.67 yr)]

= 0.691 (AVF)

(2) ( TEV ) x ( AVF ) x (Adjusted Cost - of - Money) / ( WHPY )
[2.c] [4.b.(1)] [Appendix B] [Appendix B]

($223,600.00 ) x (0.691 ) x (0.034 ) / (1,630 hr/yr)
=$ 3.22 /hr

c. **TOTAL HOURLY OWNERSHIP COST: TOTAL [4.]:** **=$** 20.61 /hr
[4.a.(2)] + [4.b.(2)]

5. **OPERATING COST**

a. Fuel Costs:

(1) Equipment:

(Fuel Factor x (Horsepower (hp)) x (Fuel Cost Per Gallon (gal))
[1.c.(6)] [1.a.(5)] [Appendix B]

(0.033 ) x (203 hp) x ($1.49 / gal) =$ 9.98 /hr

(2) Carrier:

(Fuel Factor) x (Horsepower) x (Fuel Cost Per Gallon)
[1.c.(7)] [1.a.(6)] [Appendix B]

(0.000 ) x (0 hp) x ($0.00 /gal) =$ 0.00 /hr

(3) Total Hourly Fuel Cost: **Total [5.a.]** =$ 9.98 /hr
[(5.a.(1)] + [5.a.(2)]

b. FOG Cost:

(1) Equipment:

(FOG Factor) x (Equipment Fuel Cost) x (Labor Adjustment Factor (LAF))
[1.c.(8)] [5.a.(1)] [Appendix B]

(0.445 ) x ($9.98 /hr) x (1.17 ) =$ 5.20 /hr

**Figure 3-1. Total Hourly Rate Calculation for Overage Equipment**

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5. **OPERATING COST (Continued)**

(2) Carrier:

(FOG Factor) x (Carrier Fuel Cost) x (LAF)
[1.c.(8)] [5.a.(2)] [Appendix B]

(0.445) x ($0.00/hr) x (1.17) =$ 0.00 /hr

(3) Total Hourly FOG Cost: **Total [5.b.]** =$ 5.20 /hr
[(5.b.(1)] + [5.b.(2)]

c. Alternative Fuel/FOG Cost: **Total [5.c.]** =$ 0.00 /hr

(See chapter 2, paragraph 24.d. for guidance on when to use.)

d. Repair Cost:

(1) Economic Adjustment Factor (EAF):
(EK is from [1.c.(1)])

(Economic Index for Year 1.a.(3)) / (Economic Index for Year 1.a.(4))
[Appendix E] [Appendix E]

(5,740) / (5,303) = 1.082 (EAF)

*(See table 3-1 for last year of economic life.)*

(2) Repair Factor (RF):

(RCF) x (EAF) x (LAF) = Repair Factor (RF)
[1.c.(10)] [5.d.(1)] [Appendix B]

(0.70) x (1.082) x (1.17) = 0.886 (RF)

(3) Repair Cost:

[(TEV) - [(TCI) x (Tire Cost )]] x (RF) / (LIFE)
[2.c.] [4.a.(1)] [1.a.(9)(d)] [5.d.(2)] [1.c.(4)]

[($223,600) – [(0.967) x ($7,076.00)]] x (0.886) / (9,250)

(4) Total Hourly Repair Cost: **Total [5.d.]** =$ 20.76/hr

**Figure 3-1. Total Hourly Rate Calculation for Overage Equipment**

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5. **OPERATING COST (Continued)**

e. Tire Wear Cost: (Use current price levels. See Appendix F)

(1) Front Tires (FT):

[1.5 x (FT Cost)] / [1.8 x (FT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(a)] [1.c.(9)(a)] [Appendix G]

[1.5 x ($0.00)] / [1.8 x (0.00) x (0 /hr)]

=$ 0.00 /hr

(2) Drive Tires (DT):

[1.5 x (DT Cost)] / [1.8 x (DT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(b)] [1.c.(9)(b)] [Appendix G]

[1.5 x ($7,076.00)] / [1.8 x (0.42) x (3,200 /hr)]

=$ 4.39 /hr

(3) Trailing Tires (TT):

[1.5 x (TT Cost)] / [1.8 x (TT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(c)] [1.c.(9)(c)] [Appendix G]

[1.5 x ($0.00)] / [1.8 x (0) x (0 /hr)]

=$ 0.00 /hr

(4) Total Tire Wear Cost: **Total [5.e.]** =$ 4.39 /hr
[Sum 5.e.(1) through 5.e.(3)]

f. Tire Repair Cost:

(Total Tire Wear Cost) x 0.15 x (LAF)
[5.e.(4)] [Appendix B]

($4.39 /hr) x 0.15 x (1.17) **Total [5.f.]** =$ 0.77 /hr

g. **TOTAL HOURLY OPERATING COST:** **TOTAL [5.] =$** 41.10 /hr
[Sum 5.a. through 5.f.]

**Figure 3-1. Total Hourly Rate Calculation for Overage Equipment**

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6. **HOURLY RATES**

a. Total Hourly Rate: [*based on 40 hours per week (wk)*]

(Ownership Cost) + (Operating Cost)

($20.61 /hr) + ($41.10 /hr) =$ 61.71 /hr

b. Other Work Shifts Hourly Rate:
*(Refer to Chapter 3, Adjustments to Rates, for methodology.)*

[(Depreciation) + [(FCCM) x (40 hr/wk) / (Work hr/wk)] + (Operating Cost)]
[4.a.(2)] [4.b.(2)] (example: 60 hr/wk) [5.g.]

[($0.00 /hr) + [($0.00 /hr) x (40 hr/wk) / (0 hr/wk)] + ($0.00 /hr)]

=$ 0.00 /hr

c. Standby Hourly Rate:

[(Depreciation) x 0.50] + (FCCM)
[4.a.(2)] [4.b.(2)]

[($0.00 /hr) x 0.50] + ($0.00 /hr) =$ 0.00 /hr)

**See Chapter 3 if rate adjustments are necessary.**

**Figure 3-1. Total Hourly Rate Calculation for Overage Equipment**

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**Table 3-2. Equipment Age Adjustment Factors**

for

Standby costs

The factors in this table are used when the age of a unit of equipment is other than the age of the equipment listed in table 2-1.

These factors are multiplied by the hourly standby costs shown in table 2-1 and result in a standby rate adjusted for the actual age of the equipment being considered.

When the actual "life" in hours of the unit of equipment has exceeded the economic life given in appendix D, the age will be determined as discussed in chapter 3.

Refer to chapter 3, as follows:

**3-13. Rate Adjustments Overage Equipment Standby**

# Table 3-2 Equipment Age Adjustment Factors for Standby Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| A10 | 0.00 | AGGREGATE / CHIP SPREADERS | | | | | | | | | | | | | | | | | | |
| A10 | 0.10 | SELF-PROPELLED | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | 0.96 | 0.93 | 0.90 | 0.87 | 0.85 | 0.83 | 0.80 | 0.81 | 0.76 | 0.73 | 0.71 | 0.69 | 0.67 |
| A10 | 0.20 | TOWED & TAILGATE | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | 0.96 | 0.93 | 0.89 | 0.87 | 0.85 | 0.83 | 0.80 | 0.80 | 0.76 | 0.72 | 0.70 | 0.68 | 0.67 |
| A15 | 0.00 | AIR COMPRESSORS, PORTABLE | | | | | | | | | | | | | | | | | | |
| A15 | 0.10 | ROTARY SCREW | 1.03 | 1.01 | 1.02 | 1.00 | 1.02 | 1.02 | 1.01 | 1.01 | 1.00 | 0.98 | 0.99 | 0.98 | 0.95 | 0.95 | 0.91 | 0.86 | 0.82 | 0.81 |
| A15 | 0.20 | SHOP TYPE | 1.02 | 1.01 | 1.02 | 1.00 | 1.02 | 1.01 | 1.01 | 1.01 | 1.00 | 0.98 | 0.99 | 0.98 | 0.95 | 0.95 | 0.91 | 0.87 | 0.83 | 0.82 |
| A20 | 0.00 | AIR HOSE, TOOLS & EQUIPMENT | | | | | | | | | | | | | | | | | | |
| A20 | 0.10 | AIR DRILL HOSE | 1.02 | 1.01 | 1.02 | 1.00 | 1.02 | 1.01 | 1.01 | 1.01 | 1.00 | 0.98 | 0.99 | 0.98 | 0.96 | 0.95 | 0.92 | 0.87 | 0.84 | 0.83 |
| A20 | 0.20 | SANDBLAST HOSE | 1.02 | 1.01 | 1.02 | 1.00 | 1.02 | 1.01 | 1.01 | 1.01 | 1.00 | 0.98 | 0.99 | 0.98 | 0.96 | 0.95 | 0.92 | 0.87 | 0.84 | 0.83 |
| A20 | 0.30 | SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS | 1.02 | 1.01 | 1.02 | 1.00 | 1.02 | 1.01 | 1.01 | 1.01 | 1.00 | 0.98 | 0.99 | 0.98 | 0.96 | 0.95 | 0.92 | 0.87 | 0.83 | 0.83 |
| A25 | 0.00 | ASPHALT PAVING DISTRIBUTORS | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.82 | 0.82 | 0.78 | 0.75 | 0.73 | 0.71 | 0.70 |
| A30 | 0.00 | ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT | | | | | | | | | | | | | | | | | | |
| A30 | 0.10 | SELF PROPELLED | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.81 | 0.77 | 0.74 | 0.72 | 0.70 | 0.69 |
| A30 | 0.20 | TOWED | 1.05 | 1.02 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.85 | 0.83 | 0.80 | 0.81 | 0.76 | 0.73 | 0.71 | 0.69 | 0.68 |
| A30 | 0.30 | SLURRY SEAL PAVERS (Cold mix) | 1.05 | 1.02 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.85 | 0.84 | 0.81 | 0.81 | 0.77 | 0.74 | 0.71 | 0.69 | 0.68 |
| A30 | 0.40 | MISCELLANEOUS ROAD EQUIPMENT | 1.05 | 1.02 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.85 | 0.83 | 0.80 | 0.81 | 0.76 | 0.73 | 0.71 | 0.69 | 0.68 |
| A35 | 0.00 | ASPHALT PAVING KETTLES | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | 0.96 | 0.93 | 0.89 | 0.87 | 0.85 | 0.83 | 0.80 | 0.80 | 0.76 | 0.72 | 0.70 | 0.68 | 0.67 |
| A40 | 0.00 | ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | 0.96 | 0.93 | 0.89 | 0.87 | 0.85 | 0.83 | 0.80 | 0.80 | 0.76 | 0.72 | 0.70 | 0.68 | 0.67 |
| A45 | 0.00 | ASPHALT RECYCLERS & SEALERS | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | 0.96 | 0.93 | 0.89 | 0.87 | 0.85 | 0.83 | 0.80 | 0.80 | 0.75 | 0.72 | 0.70 | 0.68 | 0.66 |
| B10 | 0.00 | BATCH PLANTS, ASPHALT & CONCRETE | | | | | | | | | | | | | | | | | | |
| B10 | 0.10 | ASPHALT | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | 0.96 | 0.93 | 0.90 | 0.87 | 0.85 | 0.83 | 0.80 | 0.81 | 0.76 | 0.73 | 0.71 | 0.69 | 0.67 |
| B10 | 0.20 | CONCRETE | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | 0.96 | 0.93 | 0.90 | 0.87 | 0.85 | 0.83 | 0.80 | 0.81 | 0.76 | 0.73 | 0.71 | 0.69 | 0.67 |
| B10 | 0.30 | PUGMILL | 1.05 | 1.02 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.85 | 0.83 | 0.80 | 0.81 | 0.76 | 0.73 | 0.71 | 0.69 | 0.68 |
| B15 | 0.00 | BROOMS, STREET SWEEPERS & FLUSHERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.85 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.69 |
| B20 | 0.00 | BRUSH CHIPPERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.85 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.69 |
| B25 | 0.00 | BUCKETS, CLAMSHELL | 1.09 | 1.06 | 1.00 | 1.00 | 1.01 | 1.00 | 1.00 | 0.98 | 0.96 | 0.96 | 0.96 | 0.92 | 0.84 | 0.80 | 0.75 | 0.68 | 0.66 | 0.66 |
| B30 | 0.00 | BUCKETS, CONCRETE | | | | | | | | | | | | | | | | | | |

# Table 3-2 Equipment Age Adjustment Factors for Standby Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| B30 | 0.10 | GENERAL PURPOSE, MANUAL TRIP | 1.08 | 1.05 | 1.00 | 1.00 | 1.01 | 1.00 | 1.00 | 0.98 | 0.97 | 0.96 | 0.96 | 0.92 | 0.85 | 0.81 | 0.76 | 0.69 | 0.68 | 0.67 |
| B30 | 0.20 | LAYDOWN | 1.08 | 1.05 | 1.00 | 1.00 | 1.01 | 1.00 | 1.00 | 0.98 | 0.97 | 0.96 | 0.96 | 0.92 | 0.85 | 0.81 | 0.76 | 0.69 | 0.68 | 0.67 |
| B30 | 0.30 | LOWBOY | 1.08 | 1.05 | 1.00 | 1.00 | 1.01 | 1.00 | 1.00 | 0.98 | 0.97 | 0.96 | 0.96 | 0.92 | 0.85 | 0.81 | 0.76 | 0.69 | 0.68 | 0.67 |
| B30 | 0.40 | LOW SLUMP | 1.08 | 1.05 | 1.00 | 1.00 | 1.01 | 1.00 | 1.00 | 0.98 | 0.97 | 0.96 | 0.96 | 0.92 | 0.85 | 0.81 | 0.76 | 0.69 | 0.68 | 0.67 |
| B35 | 0.00 | BUCKETS, DRAGLINE | | | | | | | | | | | | | | | | | | |
| B35 | 0.10 | LIGHT WEIGHT | 1.09 | 1.06 | 1.00 | 1.00 | 1.01 | 1.00 | 1.00 | 0.98 | 0.96 | 0.96 | 0.96 | 0.92 | 0.84 | 0.80 | 0.75 | 0.68 | 0.66 | 0.66 |
| B35 | 0.20 | MEDIUM WEIGHT | 1.09 | 1.06 | 1.00 | 1.00 | 1.01 | 1.00 | 1.00 | 0.98 | 0.96 | 0.96 | 0.96 | 0.92 | 0.84 | 0.80 | 0.75 | 0.68 | 0.66 | 0.66 |
| B35 | 0.30 | HEAVY WEIGHT | 1.09 | 1.06 | 1.00 | 1.00 | 1.01 | 1.00 | 1.00 | 0.98 | 0.96 | 0.96 | 0.96 | 0.92 | 0.84 | 0.80 | 0.75 | 0.68 | 0.67 | 0.66 |
| C05 | 0.00 | CHAIN SAWS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.88 | 0.85 | 0.82 | 0.80 | 0.76 | 0.72 | 0.70 | 0.69 |
| C10 | 0.00 | COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER | | | | | | | | | | | | | | | | | | |
| C10 | 0.10 | COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.98 | 0.95 | 0.94 | 0.92 | 0.89 | 0.88 | 0.86 | 0.83 | 0.81 | 0.78 | 0.74 | 0.72 | 0.70 |
| C10 | 0.20 | ROLLERS, VIBRATORY | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.84 | 0.82 | 0.79 | 0.75 | 0.71 | 0.69 | 0.67 |
| C15 | 0.00 | CONCRETE CLEANERS / BLASTERS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.67 | 0.65 |
| C20 | 0.00 | CONCRETE BUGGIES | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.67 | 0.65 |
| C25 | 0.00 | CONCRETE FINISHERS/SCREEDS/SPREADERS | | | | | | | | | | | | | | | | | | |
| C25 | 0.10 | FINISHERS/TROWELS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.68 | 0.66 |
| C25 | 0.20 | VIBRATORY SCREED | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.68 | 0.66 |
| C25 | 0.25 | VIBRATORY LASER SCREED | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.94 | 0.92 | 0.89 | 0.87 | 0.85 | 0.83 | 0.79 | 0.76 | 0.72 | 0.68 | 0.65 | 0.63 |
| C25 | 0.30 | MATERIAL/TOPPING SPREADERS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.94 | 0.92 | 0.89 | 0.87 | 0.85 | 0.83 | 0.79 | 0.76 | 0.72 | 0.68 | 0.65 | 0.63 |
| C30 | 0.00 | CONCRETE GRINDERS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.68 | 0.66 |
| C35 | 0.00 | CONCRETE GUNITERS / SHOTCRETERS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.87 | 0.86 | 0.83 | 0.80 | 0.77 | 0.73 | 0.69 | 0.66 | 0.65 |
| C40 | 0.00 | CONCRETE MIXING UNITS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.68 | 0.66 |
| C45 | 0.00 | CONCRETE PAVING MACHINES | 1.05 | 1.02 | 1.02 | 1.00 | 0.97 | 0.96 | 0.93 | 0.89 | 0.87 | 0.85 | 0.83 | 0.80 | 0.80 | 0.76 | 0.72 | 0.70 | 0.68 | 0.67 |
| C55 | 0.00 | CONCRETE PUMPS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.85 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.69 |
| C60 | 0.00 | CONCRETE SAWS (Add cost for sawblade wear) | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.85 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.69 |
| C65 | 0.00 | CONCRETE VIBRATORS | 1.02 | 1.01 | 1.02 | 1.00 | 1.02 | 1.01 | 1.01 | 1.01 | 1.00 | 0.98 | 0.99 | 0.98 | 0.95 | 0.95 | 0.91 | 0.87 | 0.83 | 0.82 |
| C70 | 0.00 | CRANES, GANTRY & STRADDLE | | | | | | | | | | | | | | | | | | |

# Table 3-2 Equipment Age Adjustment Factors for Standby Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| C75 | 0.00 | CRANES, HYDRAULIC, SELF-PROPELLED | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.66 | 0.64 | 0.62 |
| C80 | 0.00 | CRANES, HYDRAULIC, TRUCK MOUNTED | | | | | | | | | | | | | | | | | | |
| C80 | 0.01 | UNDER 26 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.66 | 0.64 | 0.62 |
| C80 | 0.02 | 26 TON THRU 65 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.67 | 0.65 | 0.62 |
| C80 | 0.03 | 66 TON THRU 125 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.73 | 0.67 | 0.65 | 0.63 |
| C80 | 0.04 | OVER 125 TON | 1.08 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.77 | 0.73 | 0.67 | 0.65 | 0.63 |
| C85 | 0.00 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED | | | | | | | | | | | | | | | | | | |
| C85 | 0.11 | DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.83 | 0.78 | 0.75 | 0.71 | 0.65 | 0.63 | 0.61 |
| C85 | 0.12 | DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.78 | 0.75 | 0.71 | 0.66 | 0.64 | 0.61 |
| C85 | 0.13 | DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.66 | 0.64 | 0.62 |
| C85 | 0.14 | DRAGLINE, CLAMSHELL, OVER 5.0 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.66 | 0.64 | 0.62 |
| C85 | 0.21 | LIFTING, 0 THRU 25 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.78 | 0.75 | 0.71 | 0.66 | 0.64 | 0.61 |
| C85 | 0.22 | LIFTING, 26 TON THRU 50 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.66 | 0.64 | 0.62 |
| C85 | 0.23 | LIFTING, 51 TON THRU 150 TON | 1.08 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.77 | 0.73 | 0.67 | 0.65 | 0.63 |
| C85 | 0.24 | LIFTING, OVER 150 TON | 1.08 | 1.05 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.85 | 0.80 | 0.77 | 0.73 | 0.67 | 0.65 | 0.63 |
| C90 | 0.00 | CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED | | | | | | | | | | | | | | | | | | |
| C90 | 0.01 | UNDER 26 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.66 | 0.64 | 0.62 |
| C90 | 0.02 | 26 TON THRU 65 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.67 | 0.65 | 0.62 |
| C90 | 0.03 | 66 TON THRU 125 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.66 | 0.64 | 0.62 |
| C90 | 0.04 | OVER 125 TON | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.66 | 0.64 | 0.62 |
| C95 | 0.00 | CRANES, TOWER | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.66 | 0.64 | 0.62 |
| D10 | 0.00 | DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE (Add cost for drill steel and bit wear) | | | | | | | | | | | | | | | | | | |
| D10 | 0.10 | AIR TRACK (Add cost for drill steel and bit wear) | 1.14 | 1.12 | 1.03 | 1.00 | 0.98 | 0.96 | 0.95 | 0.93 | 0.89 | 0.87 | 0.85 | 0.83 | 0.82 | 0.79 | 0.76 | 0.70 | 0.70 | 0.70 |
| D10 | 0.20 | HYDRAULIC TRACK (Add cost for drill steel and bit wear) | 1.14 | 1.13 | 1.03 | 1.00 | 0.98 | 0.96 | 0.95 | 0.93 | 0.89 | 0.86 | 0.85 | 0.82 | 0.81 | 0.78 | 0.75 | 0.69 | 0.69 | 0.69 |
| D15 | 0.00 | DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear) | 1.14 | 1.13 | 1.03 | 1.00 | 0.98 | 0.96 | 0.95 | 0.93 | 0.89 | 0.86 | 0.85 | 0.82 | 0.81 | 0.78 | 0.75 | 0.69 | 0.69 | 0.69 |
| D20 | 0.00 | DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear) | 1.15 | 1.13 | 1.03 | 1.00 | 0.98 | 0.96 | 0.95 | 0.93 | 0.88 | 0.86 | 0.84 | 0.82 | 0.81 | 0.77 | 0.74 | 0.69 | 0.68 | 0.68 |
| D25 | 0.00 | DRILLS, CORE, SKID MOUNTED (Add cost for drill steel and bit wear) | 1.14 | 1.13 | 1.03 | 1.00 | 0.98 | 0.96 | 0.95 | 0.93 | 0.89 | 0.86 | 0.85 | 0.82 | 0.81 | 0.78 | 0.75 | 0.69 | 0.69 | 0.69 |

# Table 3-2 Equipment Age Adjustment Factors for Standby Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| D30 | 0.00 | DRILLS, EARTH / AUGER (Add cost for drill steel and cutting edge wear) | 1.14 | 1.13 | 1.03 | 1.00 | 0.98 | 0.96 | 0.95 | 0.93 | 0.89 | 0.86 | 0.85 | 0.82 | 0.81 | 0.78 | 0.75 | 0.69 | 0.69 | 0.69 |
| D35 | 0.00 | DRILLS, ROTARY BLASTHOLE (Add cost for drill steel and bit wear) | | | | | | | | | | | | | | | | | | |
| D35 | 0.11 | DIESEL, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear) | 1.13 | 1.12 | 1.03 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.89 | 0.87 | 0.86 | 0.83 | 0.82 | 0.80 | 0.76 | 0.71 | 0.71 | 0.71 |
| D35 | 0.12 | DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear) | 1.13 | 1.11 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.83 | 0.80 | 0.77 | 0.72 | 0.72 | 0.72 |
| D35 | 0.21 | ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear) | 1.13 | 1.12 | 1.03 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.89 | 0.87 | 0.86 | 0.83 | 0.82 | 0.80 | 0.76 | 0.71 | 0.71 | 0.71 |
| D35 | 0.22 | ELECTRIC, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear) | 1.13 | 1.11 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.83 | 0.80 | 0.77 | 0.72 | 0.72 | 0.72 |
| F10 | 0.00 | FORK LIFTS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.84 | 0.82 | 0.79 | 0.75 | 0.71 | 0.69 | 0.67 |
| G10 | 0.00 | GENERATOR SETS | | | | | | | | | | | | | | | | | | |
| G10 | 0.10 | PORTABLE | 1.02 | 1.01 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | 1.00 | 0.98 | 0.96 | 0.94 | 0.93 | 0.92 | 0.90 | 0.87 | 0.82 | 0.77 | 0.76 |
| G10 | 0.20 | SKID MOUNTED | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | 1.00 | 0.98 | 0.96 | 0.94 | 0.93 | 0.92 | 0.90 | 0.87 | 0.82 | 0.77 | 0.76 |
| G15 | 0.00 | GRADERS, MOTOR | 1.04 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.85 | 0.83 | 0.80 | 0.74 | 0.72 | 0.69 | 0.66 | 0.62 | 0.60 | 0.57 |
| H10 | 0.00 | HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear) | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.70 | 0.68 | 0.66 |
| H13 | 0.00 | HAZARDOUS/TOXIC WASTE EQUIPMENT | | | | | | | | | | | | | | | | | | |
| H13 | 0.11 | COMPACTORS (Compression force) 0 THRU 50 TONS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.80 | 0.76 | 0.72 | 0.70 | 0.68 |
| H13 | 0.12 | COMPACTORS (Compression force) OVER 50 TONS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.71 | 0.69 | 0.67 |
| H13 | 0.21 | FILTER PRESSES, STATIONARY | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.84 | 0.82 | 0.79 | 0.75 | 0.71 | 0.69 | 0.67 |
| H13 | 0.22 | FILTER PRESSES, MOBILE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.80 | 0.76 | 0.72 | 0.70 | 0.68 |
| H13 | 0.30 | CENTRIFUGES | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.67 | 0.65 |
| H13 | 0.40 | SHREDDERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.80 | 0.76 | 0.72 | 0.70 | 0.68 |
| H13 | 0.51 | SOIL TREATMENT PLANT, MOBILE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.80 | 0.76 | 0.72 | 0.70 | 0.68 |
| H13 | 0.61 | SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.80 | 0.76 | 0.72 | 0.70 | 0.68 |
| H13 | 0.71 | WASTE HANDLING EQUIPMENT, DRUM HANDLING | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.84 | 0.82 | 0.79 | 0.75 | 0.71 | 0.69 | 0.67 |
| H15 | 0.00 | HEATERS, SPACE | | | | | | | | | | | | | | | | | | |
| H20 | 0.00 | HOISTS & AIR WINCHES | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.84 | 0.81 | 0.79 | 0.75 | 0.71 | 0.69 | 0.67 |
| H25 | 0.00 | HYDRAULIC EXCAVATORS, CRAWLER MOUNTED | | | | | | | | | | | | | | | | | | |
| H25 | 0.10 | 0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS) | 1.10 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.82 | 0.76 | 0.73 | 0.68 | 0.62 | 0.60 | 0.57 |
| H25 | 0.11 | OVER 12,500 LBS THRU 40,000 LBS | 1.10 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.82 | 0.76 | 0.73 | 0.68 | 0.62 | 0.60 | 0.57 |

# Table 3-2 Equipment Age Adjustment Factors for Standby Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| H25 | 0.12 | OVER 40,000 LBS THRU 100,000 LBS | 1.10 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.87 | 0.83 | 0.77 | 0.74 | 0.70 | 0.63 | 0.61 | 0.59 |
| H25 | 0.13 | OVER 100,000 LBS THRU 160,000 LBS | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.88 | 0.87 | 0.83 | 0.78 | 0.75 | 0.71 | 0.64 | 0.62 | 0.60 |
| H25 | 0.14 | OVER 160,000 LBS | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.83 | 0.78 | 0.75 | 0.71 | 0.65 | 0.63 | 0.61 |
| H25 | 0.21 | ATTACHMENTS, MOBILE SHEARS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.69 | 0.68 |
| H25 | 0.22 | ATTACHMENTS, MATERIAL HANDLING | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.70 | 0.68 | 0.66 |
| H25 | 0.23 | ATTACHMENTS, CONCRETE PULVERIZERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.69 | 0.68 |
| H25 | 0.24 | ATTACHMENTS, COMPACTORS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.69 | 0.68 |
| H30 | 0.00 | HYDRAULIC EXCAVATORS, WHEEL MOUNTED | | | | | | | | | | | | | | | | | | |
| H30 | 0.01 | 0 THRU 1.0 CY | 1.10 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.82 | 0.76 | 0.73 | 0.68 | 0.62 | 0.60 | 0.57 |
| H30 | 0.02 | OVER 1.0 CY | 1.10 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.88 | 0.87 | 0.82 | 0.77 | 0.73 | 0.69 | 0.62 | 0.60 | 0.58 |
| H35 | 0.00 | HYDRAULIC SHOVELS, CRAWLER MOUNTED | | | | | | | | | | | | | | | | | | |
| H35 | 0.11 | DIESEL, 0 CY THRU 5.0 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.83 | 0.78 | 0.75 | 0.71 | 0.65 | 0.63 | 0.61 |
| H35 | 0.12 | DIESEL, OVER 5.0 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.78 | 0.75 | 0.71 | 0.66 | 0.64 | 0.61 |
| H35 | 0.21 | ELECTRIC, OVER 2.5 CY | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.66 | 0.64 | 0.62 |
| L10 | 0.00 | LAND CLEARING EQUIPMENT | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.95 | 0.93 | 0.92 | 0.88 | 0.85 | 0.81 | 0.77 | 0.74 | 0.71 | 0.69 | 0.64 | 0.59 | 0.56 |
| L15 | 0.00 | LANDSCAPING EQUIPMENT | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.84 | 0.82 | 0.79 | 0.75 | 0.71 | 0.69 | 0.67 |
| L20 | 0.00 | LIGHTING SETS, TRAILER MOUNTED | | | | | | | | | | | | | | | | | | |
| L20 | 0.10 | METALLIC VAPOR | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| L25 | 0.00 | LINE STRIPING EQUIPMENT | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| L30 | 0.00 | LOADERS, BELT (Conveyor belts) & ACCESSORIES | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.84 | 0.82 | 0.79 | 0.75 | 0.71 | 0.69 | 0.67 |
| L35 | 0.00 | LOADERS, FRONT END, CRAWLER TYPE | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.95 | 0.93 | 0.92 | 0.88 | 0.85 | 0.81 | 0.77 | 0.74 | 0.71 | 0.69 | 0.64 | 0.59 | 0.56 |
| L40 | 0.00 | LOADERS, FRONT END, WHEEL TYPE | | | | | | | | | | | | | | | | | | |
| L40 | 0.11 | ARTICULATED, 0 THRU 225 HP | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.97 | 0.94 | 0.93 | 0.90 | 0.87 | 0.85 | 0.82 | 0.80 | 0.77 | 0.75 | 0.71 | 0.68 | 0.65 |
| L40 | 0.12 | ARTICULATED, OVER 225 HP | 1.04 | 1.01 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.90 | 0.88 | 0.86 | 0.83 | 0.81 | 0.79 | 0.76 | 0.73 | 0.70 | 0.68 |
| L40 | 0.20 | SKID STEER | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.97 | 0.94 | 0.93 | 0.90 | 0.88 | 0.86 | 0.83 | 0.80 | 0.78 | 0.75 | 0.72 | 0.69 | 0.67 |
| L40 | 0.21 | SKID STEER ATTACHMENTS | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.97 | 0.94 | 0.93 | 0.90 | 0.87 | 0.85 | 0.82 | 0.80 | 0.77 | 0.75 | 0.71 | 0.68 | 0.65 |
| L40 | 0.31 | TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.97 | 0.94 | 0.93 | 0.90 | 0.87 | 0.85 | 0.82 | 0.80 | 0.77 | 0.75 | 0.71 | 0.68 | 0.66 |

# Table 3-2 Equipment Age Adjustment Factors for Standby Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| L40 | 0.32 | TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP | 1.03 | 1.01 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.88 | 0.87 | 0.84 | 0.82 | 0.79 | 0.77 | 0.73 | 0.71 | 0.69 |
| L45 | 0.00 | LOADERS / BACKHOE, CRAWLER TYPE | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.95 | 0.93 | 0.92 | 0.88 | 0.85 | 0.81 | 0.76 | 0.73 | 0.71 | 0.68 | 0.63 | 0.59 | 0.56 |
| L50 | 0.00 | LOADERS / BACKHOE, WHEEL TYPE | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.97 | 0.94 | 0.93 | 0.90 | 0.87 | 0.85 | 0.82 | 0.80 | 0.77 | 0.75 | 0.71 | 0.68 | 0.66 |
| L55 | 0.00 | LOADER / BACKHOE, ATTACHMENTS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.70 | 0.68 | 0.66 |
| L60 | 0.00 | LOG SKIDDERS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.95 | 0.94 | 0.92 | 0.91 | 0.90 | 0.87 | 0.85 | 0.84 | 0.82 | 0.80 | 0.78 | 0.76 | 0.75 |
| M10 | 0.00 | MARINE EQUIPMENT (NON DREDGING) | | | | | | | | | | | | | | | | | | |
| M10 | 0.11 | AQUATIC MAINTENANCE | 1.08 | 1.04 | 1.03 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.86 | 0.85 | 0.81 | 0.76 | 0.73 | 0.69 | 0.66 | 0.65 | 0.65 |
| M10 | 0.12 | AQUATIC MAINTENANCE ATTACHMENTS | 1.08 | 1.04 | 1.03 | 1.00 | 0.98 | 0.97 | 0.95 | 0.91 | 0.87 | 0.85 | 0.84 | 0.79 | 0.74 | 0.71 | 0.67 | 0.63 | 0.62 | 0.62 |
| M10 | 0.21 | HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABLE | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.92 | 0.89 | 0.87 | 0.86 | 0.82 | 0.77 | 0.74 | 0.71 | 0.68 | 0.67 | 0.67 |
| M10 | 0.22 | HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.92 | 0.89 | 0.87 | 0.86 | 0.82 | 0.77 | 0.74 | 0.71 | 0.68 | 0.67 | 0.67 |
| M10 | 0.23 | HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.92 | 0.89 | 0.87 | 0.86 | 0.82 | 0.77 | 0.74 | 0.71 | 0.68 | 0.67 | 0.67 |
| M10 | 0.24 | HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.87 | 0.85 | 0.81 | 0.77 | 0.74 | 0.70 | 0.67 | 0.66 | 0.66 |
| M10 | 0.25 | HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE | 1.08 | 1.04 | 1.03 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.86 | 0.84 | 0.80 | 0.75 | 0.72 | 0.68 | 0.65 | 0.64 | 0.64 |
| M10 | 0.26 | HYDRAULIC DREDGE / PUMP ATTACHMENTS | 1.08 | 1.04 | 1.03 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.86 | 0.84 | 0.80 | 0.75 | 0.72 | 0.68 | 0.65 | 0.64 | 0.64 |
| M10 | 0.31 | SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY | 1.08 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.77 | 0.73 | 0.67 | 0.65 | 0.63 |
| M10 | 0.32 | SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.75 | 0.72 | 0.66 | 0.64 | 0.61 |
| M10 | 0.33 | SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.87 | 0.85 | 0.82 | 0.77 | 0.74 | 0.70 | 0.67 | 0.66 | 0.66 |
| M10 | 0.41 | WORK FLOATS (NON-DREDGING) | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.87 | 0.85 | 0.81 | 0.77 | 0.73 | 0.70 | 0.67 | 0.66 | 0.65 |
| M10 | 0.42 | WORK BARGES (SECTIONAL, NON-DREDGING) | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.93 | 0.89 | 0.87 | 0.86 | 0.82 | 0.78 | 0.75 | 0.72 | 0.69 | 0.68 | 0.68 |
| M10 | 0.45 | FLAT-DECK OR CARGO BARGE (NON-DREDGING) | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.93 | 0.89 | 0.88 | 0.87 | 0.83 | 0.79 | 0.76 | 0.73 | 0.70 | 0.69 | 0.69 |
| M10 | 0.46 | DUMP SCOW (NON-DREDGING) | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.93 | 0.89 | 0.88 | 0.87 | 0.83 | 0.79 | 0.76 | 0.73 | 0.70 | 0.69 | 0.69 |
| M10 | 0.47 | DRILL BARGE (NON-DREDGING) | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.93 | 0.89 | 0.88 | 0.86 | 0.83 | 0.78 | 0.75 | 0.72 | 0.69 | 0.68 | 0.68 |
| M10 | 0.48 | ALL OTHER BARGES (NON-DREDGING) | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.93 | 0.89 | 0.88 | 0.86 | 0.83 | 0.78 | 0.75 | 0.72 | 0.69 | 0.68 | 0.68 |
| M10 | 0.51 | BOATS & LAUNCHES, 0 THRU 250 HP | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.87 | 0.85 | 0.81 | 0.77 | 0.73 | 0.70 | 0.67 | 0.66 | 0.66 |
| M10 | 0.53 | BOATS & LAUNCHES, 251 THRU 500 HP | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.96 | 0.92 | 0.88 | 0.87 | 0.85 | 0.81 | 0.77 | 0.74 | 0.70 | 0.67 | 0.66 | 0.66 |
| M10 | 0.54 | TUGS, 501 THRU 1,000 HP | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.93 | 0.89 | 0.87 | 0.86 | 0.83 | 0.78 | 0.75 | 0.72 | 0.69 | 0.68 | 0.68 |
| M10 | 0.55 | TUGS, 1,000 THRU 2,000 HP | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.98 | 0.96 | 0.93 | 0.89 | 0.88 | 0.87 | 0.83 | 0.79 | 0.76 | 0.73 | 0.70 | 0.69 | 0.69 |

# Table 3-2 Equipment Age Adjustment Factors for Standby Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| P10 | 0.00 | PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.94 | 0.92 | 0.89 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.65 | 0.62 | 0.60 |
| P20 | 0.00 | PILE HAMMERS, DOUBLE ACTING | | | | | | | | | | | | | | | | | | |
| P20 | 0.10 | DIESEL | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.92 | 0.90 | 0.87 | 0.86 | 0.83 | 0.80 | 0.77 | 0.73 | 0.69 | 0.66 | 0.64 |
| P20 | 0.20 | PNUEMATIC (STEAM/AIR) | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.70 | 0.68 | 0.66 |
| P25 | 0.00 | PILE HAMMERS, SINGLE ACTING | | | | | | | | | | | | | | | | | | |
| P25 | 0.10 | DIESEL | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.70 | 0.68 | 0.66 |
| P25 | 0.20 | PNUEMATIC (STEAM/AIR) | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.69 | 0.68 |
| P30 | 0.00 | PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.70 | 0.68 | 0.66 |
| P35 | 0.00 | PIPELAYERS | 1.04 | 1.01 | 1.00 | 1.00 | 0.99 | 0.95 | 0.93 | 0.92 | 0.89 | 0.85 | 0.82 | 0.77 | 0.74 | 0.72 | 0.69 | 0.65 | 0.60 | 0.57 |
| P40 | 0.00 | PLATFORMS & MAN-LIFTS | 1.09 | 1.06 | 1.00 | 1.00 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.67 | 0.65 | 0.63 |
| P45 | 0.00 | PUMPS, GROUT | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.70 | 0.68 |
| P50 | 0.00 | PUMPS, WATER, CENTRIFUGAL, TRASH | | | | | | | | | | | | | | | | | | |
| P50 | 0.11 | ENGINE DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| P50 | 0.12 | ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| P50 | 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| P50 | 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| P50 | 0.31 | HOSES, PUMP, SUCTION & DISCHARGE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.88 | 0.85 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.69 |
| P55 | 0.00 | PUMPS, WATER, SUBMERSIBLE | | | | | | | | | | | | | | | | | | |
| P55 | 0.01 | ENGINE DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| P55 | 0.02 | ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.70 | 0.68 |
| P60 | 0.00 | PUMPS, WATER, CENTRIFUGAL, DEWATERING | | | | | | | | | | | | | | | | | | |
| P60 | 0.11 | SKID MOUNTED, ENGINE DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| P60 | 0.12 | SKID MOUNTED, ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.70 | 0.68 |
| P60 | 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| P60 | 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.70 | 0.68 |
| P65 | 0.00 | PUMPS, WATER, DIAPHRAGM | | | | | | | | | | | | | | | | | | |
| P65 | 0.11 | SKID MOUNTED, ENGINE DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |

# Table 3-2 Equipment Age Adjustment Factors for Standby Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| P65 | 0.12 | SKID MOUNTED, ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.70 | 0.68 |
| P65 | 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| P65 | 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.70 | 0.68 |
| P70 | 0.00 | PUMPS, WATER (For core drills) | | | | | | | | | | | | | | | | | | |
| P70 | 0.01 | ENGINE DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.74 | 0.69 | 0.67 | 0.65 |
| P70 | 0.02 | ELECTRIC DRIVE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.74 | 0.69 | 0.67 | 0.65 |
| R10 | 0.00 | RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear) | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.95 | 0.93 | 0.92 | 0.88 | 0.85 | 0.81 | 0.76 | 0.73 | 0.71 | 0.68 | 0.63 | 0.59 | 0.56 |
| R15 | 0.00 | ROLLERS, STATIC, TOWED, PNEUMATIC | 1.06 | 1.04 | 1.02 | 1.00 | 1.02 | 0.99 | 0.97 | 0.96 | 0.94 | 0.91 | 0.85 | 0.85 | 0.89 | 0.89 | 0.86 | 0.84 | 0.79 | 0.78 |
| R20 | 0.00 | ROLLERS, STATIC, TOWED, STEEL DRUM | 1.06 | 1.04 | 1.02 | 1.00 | 1.02 | 0.99 | 0.97 | 0.96 | 0.94 | 0.91 | 0.85 | 0.85 | 0.89 | 0.89 | 0.86 | 0.84 | 0.79 | 0.78 |
| R30 | 0.00 | ROLLERS, STATIC, SELF-PROPELLED | | | | | | | | | | | | | | | | | | |
| R30 | 0.01 | PNEUMATIC | 1.06 | 1.03 | 1.02 | 1.00 | 1.02 | 0.99 | 0.97 | 0.96 | 0.94 | 0.91 | 0.86 | 0.85 | 0.90 | 0.89 | 0.86 | 0.84 | 0.80 | 0.78 |
| R30 | 0.02 | SMOOTH DRUM | 1.06 | 1.03 | 1.02 | 1.00 | 1.02 | 0.99 | 0.97 | 0.96 | 0.94 | 0.91 | 0.86 | 0.85 | 0.90 | 0.89 | 0.86 | 0.84 | 0.80 | 0.79 |
| R30 | 0.03 | TAMPING FOOT, LANDFILL & SOIL COMPACTORS | 1.06 | 1.04 | 1.02 | 1.00 | 1.02 | 0.99 | 0.97 | 0.96 | 0.94 | 0.91 | 0.85 | 0.85 | 0.90 | 0.89 | 0.86 | 0.84 | 0.79 | 0.78 |
| R40 | 0.00 | ROLLERS, VIBRATORY, TOWED | 1.06 | 1.04 | 1.02 | 1.00 | 1.02 | 0.99 | 0.97 | 0.96 | 0.94 | 0.90 | 0.85 | 0.85 | 0.89 | 0.88 | 0.86 | 0.83 | 0.79 | 0.77 |
| R45 | 0.00 | ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM | 1.06 | 1.04 | 1.02 | 1.00 | 1.02 | 0.99 | 0.97 | 0.96 | 0.94 | 0.90 | 0.85 | 0.85 | 0.89 | 0.88 | 0.86 | 0.83 | 0.79 | 0.77 |
| R50 | 0.00 | ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM | 1.06 | 1.04 | 1.02 | 1.00 | 1.02 | 0.99 | 0.97 | 0.96 | 0.93 | 0.90 | 0.84 | 0.84 | 0.89 | 0.88 | 0.85 | 0.83 | 0.78 | 0.76 |
| R55 | 0.00 | ROOFING EQUIPMENT | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.69 | 0.68 |
| S10 | 0.00 | SCRAPERS, ELEVATING | | | | | | | | | | | | | | | | | | |
| S10 | 0.01 | 0 THRU 200 HP | 1.04 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.85 | 0.83 | 0.80 | 0.75 | 0.72 | 0.69 | 0.66 | 0.62 | 0.60 | 0.57 |
| S10 | 0.02 | OVER 200 HP | 1.04 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.85 | 0.83 | 0.80 | 0.74 | 0.71 | 0.68 | 0.65 | 0.61 | 0.59 | 0.56 |
| S15 | 0.00 | SCRAPERS, CONVENTIONAL | 1.04 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.91 | 0.85 | 0.84 | 0.81 | 0.75 | 0.73 | 0.70 | 0.67 | 0.63 | 0.61 | 0.58 |
| S20 | 0.00 | SCRAPERS, TANDEM POWERED | 1.04 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.91 | 0.85 | 0.84 | 0.81 | 0.75 | 0.73 | 0.70 | 0.67 | 0.63 | 0.61 | 0.58 |
| S25 | 0.00 | SCRAPERS, TRACTOR DRAWN | 1.04 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.91 | 0.85 | 0.83 | 0.81 | 0.75 | 0.72 | 0.69 | 0.67 | 0.62 | 0.61 | 0.58 |
| S30 | 0.00 | SCREENING & CRUSHING PLANTS | | | | | | | | | | | | | | | | | | |
| S30 | 0.10 | CONVEYORS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.70 |
| S30 | 0.20 | CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.72 | 0.71 |
| S30 | 0.21 | CRUSHERS - CONE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.72 | 0.71 |

# Table 3-2 Equipment Age Adjustment Factors for Standby Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| S30 | 0.22 | CRUSHERS - JAW | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.72 | 0.71 |
| S30 | 0.30 | SCREENING PLANT | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.70 |
| S35 | 0.00 | SNOW REMOVAL EQUIPMENT | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| S40 | 0.00 | SOIL & ROAD STABILIZERS | 1.04 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.85 | 0.83 | 0.80 | 0.75 | 0.72 | 0.69 | 0.66 | 0.62 | 0.60 | 0.57 |
| S45 | 0.00 | SPLITTERS, ROCK & CONCRETE | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.70 | 0.68 | 0.66 |
| T10 | 0.00 | TRACTOR BLADES & ATTACHMENTS | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.95 | 0.93 | 0.92 | 0.88 | 0.85 | 0.81 | 0.77 | 0.74 | 0.71 | 0.69 | 0.64 | 0.59 | 0.56 |
| T15 | 0.00 | TRACTORS, CRAWLER (DOZER) (includes blade) | | | | | | | | | | | | | | | | | | |
| T15 | 0.01 | 0 THRU 225 HP | 1.04 | 1.01 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.91 | 0.87 | 0.84 | 0.80 | 0.74 | 0.71 | 0.69 | 0.66 | 0.61 | 0.55 | 0.52 |
| T15 | 0.02 | 226 HP THRU 425 HP | 1.04 | 1.01 | 1.01 | 1.00 | 0.99 | 0.95 | 0.93 | 0.92 | 0.88 | 0.85 | 0.81 | 0.76 | 0.73 | 0.71 | 0.68 | 0.63 | 0.58 | 0.55 |
| T15 | 0.03 | OVER 425 HP | 1.04 | 1.01 | 1.00 | 1.00 | 0.99 | 0.96 | 0.94 | 0.92 | 0.89 | 0.85 | 0.82 | 0.77 | 0.75 | 0.72 | 0.70 | 0.65 | 0.60 | 0.58 |
| T20 | 0.00 | TRACTORS, WHEEL TYPE (DOZER) | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.95 | 0.94 | 0.92 | 0.92 | 0.91 | 0.87 | 0.86 | 0.84 | 0.82 | 0.80 | 0.78 | 0.77 | 0.76 |
| T25 | 0.00 | TRACTORS, AGRICULTURAL | | | | | | | | | | | | | | | | | | |
| T25 | 0.10 | CRAWLER | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.95 | 0.94 | 0.92 | 0.91 | 0.90 | 0.87 | 0.85 | 0.84 | 0.82 | 0.80 | 0.78 | 0.76 | 0.75 |
| T25 | 0.20 | WHEEL | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.95 | 0.93 | 0.92 | 0.91 | 0.90 | 0.87 | 0.85 | 0.83 | 0.82 | 0.79 | 0.78 | 0.76 | 0.75 |
| T30 | 0.00 | TRENCHERS, CHAIN TYPE CUTTER | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.85 | 0.79 | 0.75 | 0.74 | 0.73 | 0.70 | 0.69 | 0.68 | 0.67 |
| T35 | 0.00 | TRENCHERS, WHEEL TYPE CUTTER | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.85 | 0.79 | 0.75 | 0.74 | 0.73 | 0.70 | 0.69 | 0.68 | 0.67 |
| T40 | 0.00 | TRUCK OPTIONS | | | | | | | | | | | | | | | | | | |
| T40 | 0.10 | CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| T40 | 0.20 | DUMP BODY, REAR | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.85 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.69 |
| T40 | 0.30 | FLATBEDS, WITH SIDES | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| T40 | 0.41 | HOIST, ELECTRIC DRIVE | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| T40 | 0.50 | TRANSIT MIXERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.70 | 0.68 |
| T40 | 0.60 | WATER TANKS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.74 | 0.69 | 0.67 | 0.65 |
| T40 | 0.70 | ALL OTHER OPTIONS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 |
| T45 | 0.00 | TRUCK TRAILERS | | | | | | | | | | | | | | | | | | |
| T45 | 0.10 | BOTTOM DUMP | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.70 |
| T45 | 0.20 | END DUMP | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.70 |

# Table 3-2 Equipment Age Adjustment Factors for Standby Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| T45 | 0.30 | PUP TRAILER | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.85 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.69 |
| T45 | 0.41 | LOWBOY, RIGID NECK, DROP DECK | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.70 |
| T45 | 0.50 | FLATBED TRAILER | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.70 |
| T45 | 0.60 | MISCELLANEOUS / UTILITY | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.70 |
| T45 | 0.70 | WATER TANKER TRAILER | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.67 | 0.66 |
| T45 | 0.80 | DECONTAMINATION FACILITY | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.74 | 0.69 | 0.67 | 0.65 |
| T45 | 0.90 | TANK TRAILERS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.67 | 0.66 |
| T50 | 0.00 | TRUCKS, HIGHWAY (Add attachments as required) | | | | | | | | | | | | | | | | | | |
| T50 | 0.01 | 0 THRU 10,000 GVW | 1.06 | 1.03 | 1.00 | 1.00 | 1.03 | 1.00 | 1.01 | 1.03 | 1.02 | 0.99 | 0.95 | 0.89 | 0.85 | 0.81 | 0.80 | 0.76 | 0.74 | 0.74 |
| T50 | 0.02 | OVER 10,000 THRU 30,000 GVW (Chassis only - Add options) | 1.06 | 1.03 | 1.00 | 1.00 | 1.03 | 1.00 | 1.01 | 1.03 | 1.02 | 0.99 | 0.95 | 0.90 | 0.85 | 0.82 | 0.80 | 0.76 | 0.75 | 0.74 |
| T50 | 0.03 | OVER 30,000 GVW (Chassis only - Add options) | 1.06 | 1.03 | 1.00 | 1.00 | 1.03 | 1.00 | 1.01 | 1.03 | 1.02 | 0.99 | 0.95 | 0.90 | 0.85 | 0.82 | 0.80 | 0.77 | 0.75 | 0.75 |
| T55 | 0.00 | TRUCKS, OFF-HIGHWAY | | | | | | | | | | | | | | | | | | |
| T55 | 0.10 | RIGID FRAME | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.90 | 0.84 | 0.82 | 0.81 | 0.80 | 0.78 | 0.74 | 0.68 | 0.65 | 0.63 |
| T55 | 0.20 | ARTICULATED FRAME | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.89 | 0.84 | 0.81 | 0.80 | 0.79 | 0.77 | 0.73 | 0.67 | 0.64 | 0.62 |
| T56 | 0.00 | TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS | | | | | | | | | | | | | | | | | | |
| T56 | 0.10 | PRIME MOVER TRACTORS | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.90 | 0.84 | 0.82 | 0.81 | 0.80 | 0.78 | 0.74 | 0.68 | 0.65 | 0.63 |
| T56 | 0.20 | WAGONS, BOTTOM DUMP | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.92 | 0.89 | 0.84 | 0.81 | 0.80 | 0.79 | 0.76 | 0.72 | 0.66 | 0.63 | 0.61 |
| T56 | 0.30 | WAGONS, REAR DUMP | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.95 | 0.92 | 0.89 | 0.83 | 0.80 | 0.80 | 0.78 | 0.76 | 0.72 | 0.66 | 0.62 | 0.61 |
| T57 | 0.00 | TRUCKS, VACUUM | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.84 | 0.82 | 0.79 | 0.75 | 0.71 | 0.69 | 0.67 |
| T60 | 0.00 | TRUCKS, WATER, OFF-HIGHWAY | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.95 | 0.92 | 0.89 | 0.83 | 0.80 | 0.80 | 0.78 | 0.76 | 0.72 | 0.66 | 0.62 | 0.61 |
| T65 | 0.00 | TUNNEL/MINING EQUIPMENT | | | | | | | | | | | | | | | | | | |
| T65 | 0.10 | DRIFTING & TUNNELING DRILLS | 1.13 | 1.11 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.94 | 0.90 | 0.88 | 0.86 | 0.84 | 0.83 | 0.80 | 0.77 | 0.72 | 0.72 | 0.72 |
| T65 | 0.20 | TUNNEL BORING MACHINES | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.69 |
| T65 | 0.30 | PRODUCTION DRILLING RIGS | 1.13 | 1.11 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.83 | 0.80 | 0.77 | 0.72 | 0.72 | 0.72 |
| T65 | 0.40 | ROADHEADERS & CONTINUOUS MINERS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.94 | 0.91 | 0.89 | 0.88 | 0.85 | 0.83 | 0.80 | 0.77 | 0.73 | 0.71 | 0.69 |
| T65 | 0.50 | ROCK BOLTING EQUIPMENT | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.84 | 0.82 | 0.79 | 0.75 | 0.71 | 0.69 | 0.67 |
| T65 | 0.61 | LOADING & HAULING EQUIPMENT, DIESEL OR GAS | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.71 | 0.69 | 0.67 |

# Table 3-2 Equipment Age Adjustment Factors for Standby Cost

| CATEGORY | SUB | REGION 7 TYPE OF EQUIPMENT | Life in Years / Year Purchased New 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 |
| T65 | 0.62 | LOADING & HAULING EQUIPMENT, ELECTRIC | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.70 | 0.68 |
| T65 | 0.63 | LOADING & HAULING EQUIPMENT, AIR-POWERED | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.67 | 0.66 |
| T65 | 0.70 | LOCOMOTIVES | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.71 | 0.69 | 0.67 |
| T65 | 0.90 | OTHER TUNNELING EQUIPMENT | 1.04 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.91 | 0.88 | 0.87 | 0.84 | 0.82 | 0.79 | 0.75 | 0.71 | 0.69 | 0.67 |
| W10 | 0.00 | WAGONS, BOTTOM DUMP | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.89 | 0.84 | 0.81 | 0.80 | 0.79 | 0.77 | 0.73 | 0.67 | 0.64 | 0.62 |
| W15 | 0.00 | WAGONS, REAR DUMP | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.89 | 0.84 | 0.81 | 0.80 | 0.79 | 0.77 | 0.73 | 0.67 | 0.64 | 0.62 |
| W25 | 0.00 | WATER & CO2 BLASTERS | | | | | | | | | | | | | | | | | | |
| W25 | 0.10 | LOW PRESSURE, (< 5,000 PSI) | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.67 | 0.65 |
| W25 | 0.20 | HIGH PRESSURE, (>= 5,000 PSI) | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.67 | 0.65 |
| W25 | 0.30 | STEAM CLEANERS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.84 | 0.81 | 0.78 | 0.74 | 0.70 | 0.67 | 0.65 |
| W25 | 0.40 | CO2 BLASTERS | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.70 | 0.68 | 0.66 |
| W25 | 0.50 | WET ABRASIVE BLASTING SYSTEM (TORBO) | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.94 | 0.92 | 0.89 | 0.87 | 0.85 | 0.82 | 0.79 | 0.76 | 0.72 | 0.67 | 0.64 | 0.62 |
| W30 | 0.00 | WATER TANKS | | | | | | | | | | | | | | | | | | |
| W30 | 0.10 | PORTABLE WITH WHEELS | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.95 | 0.92 | 0.89 | 0.83 | 0.80 | 0.80 | 0.78 | 0.76 | 0.72 | 0.66 | 0.62 | 0.61 |
| W30 | 0.20 | SKID MOUNTED | 1.06 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.95 | 0.92 | 0.89 | 0.83 | 0.80 | 0.80 | 0.78 | 0.76 | 0.72 | 0.66 | 0.62 | 0.61 |
| W35 | 0.00 | WELDERS | | | | | | | | | | | | | | | | | | |
| W35 | 0.10 | ENGINE DRIVEN | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.86 | 0.83 | 0.80 | 0.77 | 0.74 | 0.69 | 0.67 | 0.65 |
| W35 | 0.20 | ELECTRIC DRIVEN | 1.05 | 1.02 | 1.00 | 1.00 | 0.99 | 0.97 | 0.95 | 0.93 | 0.90 | 0.88 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.70 | 0.68 | 0.66 |

## STANDBY HOURLY RATE CALCULATION FOR OVERAGE EQUIPMENT

## EXAMPLE

Assume the following information for the rate calculation example:

1. The unit of equipment is not listed in table 2-1.

2. The equipment is contractor owned.

3. Data for the unit in question:

   a. Clark front-end wheel loader
   b. Model 125C, 4WD, 4 CY capacity
   c. Serial number indicates year of manufacture = 1986
   d. Actual purchase price in 1986 = $168,280
   e. Horsepower is 203 hp (fuel is Diesel off-road)
   f. Drive tire (DT) size = 23.50 x 25, 16 ply, L-3
      DT cost (2003) = 4 tires x $1,769.00 = $7,076.00
   g. Weight = 42,200 lbs

4. Use the actual cost data as follows:

   a. Purchase price (TEV) = $168,280
   b. Year of manufacture = 1986

5. Hourly rate is computed as follows:

**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment**

Use this worksheet to compute rates for equipment that is not in this pamphlet.

1. **EQUIPMENT INFORMATION AND EXPENSE FACTORS**

ID No.: _____

a. Equipment Specification Data:
(1) Equipment Description: Clark ftont-end wheel loader
(2) Model and Series: Model 125C, 4WD, 4 CY capacity
(3) Year of Use: 2003
(4) Year Manufactured: 1986
(5) Horsepower - Equipment: 203
(6) Horsepower - Carrier: _____
(7) Fuel type: - Equipment: gas/diesel off-road/diesel on-road/electric/air D-off
- Carrier: gas/diesel off-road/diesel on-road/electric/air _____
(8) Shipping Weight (cwt): 367 cwt
(9) Tire size and number of tires: (Cost of tires based on year of use – see 1.a.(3) and appendix F)

| | No. | Size/Ply | Unit Price | Cost |
|---|---|---|---|---|
| (a) Front (FT): | | | $ | $ |
| (b) Drive (DT): | 4-ANNBS | 23.5x25/16 ply | $ 1,769.00 | $ 7,076.00 |
| (c) Trailing (TT): | | | $ | $ |
| (d) Total Tire Cost: | | | | $ 7,076.00 |

**USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:**

b. Category and Subcategory Number: L40 0.11
c. Hourly Expense Calculation Factors:
(1) Economic Key (EK): 45
(2) Condition (C): X Average or Severe or Difficult
(3) Discount Code (DC): B = 7.5% (0.075) – or – S = 15.0% (0.15) 0.075
(4) Life in Hours (LIFE): 9,250
(5) Salvage Value Percentage (SLV): 0.25
(6) Fuel Factor – Equipment [Electric (E) Gas (G) Diesel (D)]: 0.033
(7) Fuel Factor – Carrier (E G D): 0.000
(8) Filters, Oil, and Grease (FOG) Factor (E G D): 0.445
(9) Tire Wear Factor:
(a) Front (FT): 0.00
(b) Drive (DT): 0.42
(c) Trailing (TT): 0.00
(10) Repair Cost Factor (RCF): 0.70

**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment**

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2. **EQUIPMENT VALUE**

a. List Price + Accessories: *[at Year of Manufacture]* =$_____

(1) Discount: (List Price + Accessories) x (Discount Code)
[1.c.(3)]

($_____ + $_____) x (_____) =-($_____

(2) Subtotal [2.a.] – [2.a.(1)] Subtotal=$_____

(3) Sales or Import Tax: (Subtotal) x (Tax Rate)
[2.a.(2)] [Appendix B]

($_____) x (_____) =+$_____

(4) Total Discounted Price: Subtotal: [2.a.(2)] + [2.a.(3)] Subtotal=$_____

b. Freight: (Shipping Weight) x (Freight Rate per cwt)
[1.a.(8)] [Appendix B]

(_____cwt) x ($_____/cwt) =+$_____

c. **TOTAL EQUIPOMENT VALUE (TEV):** **TOTAL[2.]:=$**_____168,280.00
[(2.a.(4)] + [(2.b)]

*(See chapter 3 for used and overage equipment rate adjustments.)*

3. **DEPRECIATION PERIOD (N)**

a. (LIFE hours (hr)) / (Working Hours Per Year (WHPY)) = N
[1.c.(4)] [Appendix B]

(9,250 hr) / (1,630 hr/yr) = 5.67

4. **OWNERSHIP COST**

a. Depreciation

(1) Tire Cost Index (TCI):
(Tire Index, Yr of Mfg) / (Tire Index, Based on 1.a.(3)) = Tire Cost Index (TCI)
[Appendix E, EK=100] [Appendix E, EK=100]

(2,340) / (2,515) = 0.930 (TCI)

(2) [(TEV) x [1.0 - ( SLV )] - [ ( TCI ) x (Tire Cost)]] / ( LIFE )
[2.c.] [1.c.(5)] [4.a.(1)] [1.a.(9)(d)] [1.c.(4)]

[($168,280.00) x [1.0 – (0.250)] – [(0.930) x ($7,076.00)]] / (9,250 hr)

=$ 12.93 /hr

**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment**

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4. **OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

(1) [[( N ) - 1.0] x [1.0 + (SLV)] + 2.0] / [2.0x ( N )] = Avg Value Factor
[3.a.] [1.c.5.] [3.a.] (AVF)

[[(5.67 yr) – 1.0] x [1.0 + (0.250 )] + 2.0] / [2.0 x (5.67 yr)]

= 0.691 (AVF)

(2) ( TEV ) x ( AVF ) x (Adjusted Cost - of - Money) / ( WHPY )
[2.c] [4.b.(1)] [Appendix B] [Appendix B]

($168,280.00 ) x (0.691 ) x (0.034 ) / (1,630 hr/yr)
=$ 2.43 /hr

c. **TOTAL HOURLY OWNERSHIP COST: TOTAL [4.]:** **=$** 15.36 /hr
[4.a.(2)] + [4.b.(2)]

5. **OPERATING COST**

a. Fuel Costs:

(1) Equipment:

(Fuel Factor x (Horsepower (hp)) x (Fuel Cost Per Gallon (gal))
[1.c.(6)] [1.a.(5)] [Appendix B]

(0.000 ) x (0 hp) x ($0.00 / gal) =$ 0.00 /hr

(2) Carrier:

(Fuel Factor) x (Horsepower) x (Fuel Cost Per Gallon)
[1.c.(7)] [1.a.(6)] [Appendix B]

(0.000 ) x (0 hp) x ($0.00 /gal) =$ 0.00 /hr

(3) Total Hourly Fuel Cost: **Total [5.a.]** =$ 0.00 /hr
[(5.a.(1)] + [5.a.(2)]

b. FOG Cost:

(1) Equipment:

(FOG Factor) x (Equipment Fuel Cost) x (Labor Adjustment Factor (LAF))
[1.c.(8)] [5.a.(1)] [Appendix B]

(0.000 ) x ($0.00 /hr) x (0.00 ) =$ 0.00 /hr

**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment**

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5. **OPERATING COST (Continued)**

(2) Carrier:

(FOG Factor) x (Carrier Fuel Cost) x (LAF)
[1.c.(8)] [5.a.(2) [Appendix B]

(0.000) x ($0.00/hr) x (0.00) =$ 0.00 /hr

(3) Total Hourly FOG Cost: **Total [5.b.]** =$ 0.00 /hr
[(5.b.(1)] + [5.b.(2)]

c. Alternative Fuel/FOG Cost: **Total [5.c.]** =$ 0.00 /hr

(See chapter 2, paragraph 24.d. for guidance on when to use.)

d. Repair Cost:

(1) Economic Adjustment Factor (EAF):
(EK is from [1.c.(1)])

(Economic Index for Year 1.a.(3)) / (Economic Index for Year 1.a.(4))
[Appendix E] [Appendix E]

(0 ) / (0 ) = 0.000 (EAF)

*(See table 3-1 for last year of economic life.)*

(2) Repair Factor (RF):

(RCF) x (EAF) x (LAF) = Repair Factor (RF)
[1.c.(10)] [5.d.(1)] [Appendix B]

(0.00) x (0.000) x (0.00) = 0.000 (RF)

(3) Repair Cost:

[(TEV) - [(TCI) x (Tire Cost )]] x (RF) / (LIFE)
[2.c.] [4.a.(1)] [1.a.(9)(d)] [5.d.(2)] [1.c.(4)]

[($0) – [(0.000) x ($0.00)]] x (0.000) / (0)

(4) Total Hourly Repair Cost: **Total [5.d.]** =$ 0.00 /hr

**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment**

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5. **OPERATING COST (Continued)**

e. Tire Wear Cost: (Use current price levels. See Appendix F)

(1) Front Tires (FT):

[1.5 x (FT Cost)] / [1.8 x (FT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(a)] [1.c.(9)(a)] [Appendix G]

[1.5 x ($0.00)] / [1.8 x (0.00) x (0/hr)]

=$ 0.00 /hr

(2) Drive Tires (DT):

[1.5 x (DT Cost)] / [1.8 x (DT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(b)] [1.c.(9)(b)] [Appendix G]

[1.5 x ($0.00)] / [1.8 x (0.00) x (0/hr)]

=$ 0.00 /hr

(3) Trailing Tires (TT):

[1.5 x (TT Cost)] / [1.8 x (TT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(c)] [1.c.(9)(c)] [Appendix G]

[1.5 x ($0.00)] / [1.8 x (0) x (0/hr)]

=$ 0.00 /hr

(4) Total Tire Wear Cost: **Total [5.e.]** =$ 0.00 /hr
[Sum 5.e.(1) through 5.e.(3)]

f. Tire Repair Cost:

(Total Tire Wear Cost) x 0.15 x (LAF)
[5.e.(4)] [Appendix B]

($0.00/hr) x 0.15 x (0.00) **Total [5.f.]** =$ 0.00 /hr

g. **TOTAL HOURLY OPERATING COST:** **TOTAL [5.] =$ 0.00 /hr**
[Sum 5.a. through 5.f.]

**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment**

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6. **HOURLY RATES**

a. Total Hourly Rate: [*based on 40 hours per week (wk)*]

(Ownership Cost) + (Operating Cost)

($0.00 /hr) + ($0.00 /hr) =$ 0.00 /hr

b. Other Work Shifts Hourly Rate:
*(Refer to Chapter 3, Adjustments to Rates, for methodology.)*

[(Depreciation) + [(FCCM) x (40 hr/wk) / (Work hr/wk)] + (Operating Cost)]
[4.a.(2)] [4.b.(2)] (example: 60 hr/wk) [5.g.]

[($0.00 /hr) + [($0.00 /hr) x (40 hr/wk) / (0 hr/wk)] + ($0.00 /hr)]

=$ 0.00 /hr

c. Standby Hourly Rate:

[(Depreciation) x 0.50] + (FCCM)
[4.a.(2)] [4.b.(2)]

[($12.93 /hr) x 0.50] + ($2.43 /hr) =$ 8.90 /hr)

**See Chapter 3 if rate adjustments are necessary.**

**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment**

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# CHAPTER 4 METHODOLOGY FOR DREDGING PLANT AND MARINE EQUIPMENT

## SECTION I. GENERAL

### 4.1 Contents

This chapter contains the methodology used to compute ownership and operating rates for dredging plant and permanent floating plant such as floating pile-driving equipment. Dredging plant is marine equipment used for dredging operations for the majority of its life or designed and built for marine/dredging use.

### 4.2 General

a. The ownership and operating rates provided in table 2-1, category M-10, are based on the methodology in chapter 2 for nondredging equipment. However, the cost data (Acquisition Cost, Horsepower, and Fuel Type) may be used for calculation of dredging plant and marine equipment rates, provided they are calculated in accordance with the methodology provided in this chapter.

b. Table 4-1 shows ownership and operating cost factors for various types of dredging plant. When a type of plant is not listed, the cost is estimated by using the factors listed in this table for a similar type of plant.

c. The methodology for determining operating rates for hopper dredges was omitted from this pamphlet due to the limited number of hopper dredges and the complexity of the methods used to calculate the rates. Further information on hopper dredges can be found in Engineer Regulation (ER) 1110-2-1302, *Engineering and Design, Civil Works Cost Engineering*, and on the Internet at http://www.usace.army.mil/inet/usace-docs/eng-regs/er1110-2-1302/toc.htm. The methodology for calculating ownership cost is in section V of this chapter.

d. For mechanical dredges, the cost of the bucket is typically included in the plant value, therefore, no additional allowance should be made for ownership cost. If the bucket cost is not included in the plant value, the bucket may be treated as a separate unit of equipment.

## SECTION II. ANNUAL USE

### 4.3 Time Available to Dredge

a. The number of months available per calendar year (yr) for dredging shall be based on the work time available to dredge, excluding downtime for major repairs, work in dry dock, bad weather, and environmental restrictions. Figure 4-1 depicts months available for dredging, including mobilization and demobilization, based on historic data collected by the U.S. Army Corps of Engineers' regional dredge estimating teams. The data in figure 4-1 shall be used for computing the ownership costs unless specified otherwise in the contract documents.

**AVAILABLE TIME TO DREDGE BY REGION**
**(In Months)**

| Region | Type of Dredging Operation: Pipeline | Bucket | Hopper |
|---|---|---|---|
| Atlantic Coast and tributaries | 9 | 10 | 10 |
| Gulf Coast, Lower Mississippi and Tributaries | 10 | 10 | 11 |
| Great Lakes, Upper Mississippi and Tributaries | 8 | 8 | 8 |
| West Coast and Tributaries | 9 | 9 | 9 |

**Figure 4-1. Months Available by Region**

## SECTION III. LIFE

### 4.4 Life

The life for determining ownership and operating costs is defined as follows:

a. The Useful Life is expressed in years in table 4-1. It is the economic life of the equipment and is used to develop ownership rates for various types of dredging plant.

b. The Physical Life is expressed in hours (hrs) in table 4-1. It is the life of the unit based on effective working time and is used to develop operating rates for various types of dredging plant.

### 4.5 Annual Hours Available

The annual hours available to dredge can be established for each type of plant based on the months available and the estimated effective monthly hours worked. Dredging time is defined as effective plus noneffective working time. “Effective working time" is defined as time during the dredging operation when actual production is taking place. "Noneffective working time" is defined as time during the dredging operation when the dredge is operational but no production is taking place. For complete definition of terms see ER 1110-2-1302*, Engineering and Design*, *Civil Works Cost Engineering.* The total annual hours available can be expressed by formula, as follows:

Available Hours per yr = Months Available/yr x Effective Hours/Month

Where:

- Months Available/yr is found in figure 4-1.
- Effective Hours/Month is the effective working time.

## SECTION IV. SALVAGE VALUE

### 4.6 Salvage Value (SLV)

The salvage value, expressed as a decimal, is shown in table 4-1 for different types of plant.

## SECTION V. OWNERSHIP COST

### 4.7 Ownership Cost

Ownership cost is calculated based on a percent of plant value. Plant value is the acquisition cost plus the cost of any initial capital improvements. The value of initial capital improvements is based on those betterments, which were made within 1 year of purchase. Capital improvements do not include any replacement or repair work. Repairs or replacements are an operating cost and are covered in the repair cost allowance. Capital improvements are considered betterments, where the plant has been improved (*e.g.,* adding radar or upgrade of engines). (Note: Only the cost difference between replacement of existing similar engines and actual cost for upgrading engines should be considered as capital improvement). For capital improvements not made within the first year after the initial acquisition, see section VIII.

a. The ownership cost is determined from the plant value and is the total expense rate based on depreciation and CMR. When cost or pricing data is available, the actual acquisition price shall be used. Otherwise, the value of a similar piece of plant is used and, if necessary, adjusted so that capacity, size, and horsepower are properly considered.

b. Ownership rate is determined on a yearly basis and distributed over a monthly basis. The monthly rate is calculated based on the available use months by using the following formula:

$$\text{Monthly Ownership Cost} = \frac{\text{Plant Value x (Yearly DEPR Percent} + \text{Yearly CMR Percent)}}{\text{Available Use Months}}$$

Where:

- Plant Value = Acquisition price plus initial capital improvements.
- Yearly DEPR Percent = Ownership percent per year for depreciation.
- Yearly CMR Percent = Ownership percent per year for cost of money rate.
- Available Use Months is from figure 4-1.

## 4.8 Depreciation Factor

Depreciation is computed using the straight-line method. The depreciable value is the acquisition cost, plus initial capital improvements, less estimated salvage. The basis for determining the yearly percentage factor for depreciation is expressed by the following formula:

$$\text{Yearly DEPR Percent} = (1 - \text{SLV}) / \text{N}$$

Where:

- N = Useful Life from table 4-1.
- SLV = Salvage Value from table 4-1.

## 4.9 The Cost of Money Rate (CMR) Factor

The CMR factor is calculated on a yearly basis and is expressed here as an annual percentage factor. The CMR used in the calculation is the rate in effect at the time the work was performed. This formula is expressed as follows:

$$\text{Yearly CMR Percent} = \frac{[(\text{N} - 1)(1 + \text{SLV}) + 2](\text{discounted CMR})}{2\text{N}}$$

Where:

- N = Useful Life from table 4-1.
- SLV = Salvage Value from table 4-1.
- Discounted CMR = Cost of money rate (appendix I) reduced by 25 percent for overhead and profit allowance.

## 4.10 Other Ownership Elements

Taxes, storage (lay up), and insurance are considered indirect (overhead) costs as defined in ER 1110-2-1302, appendix D. These costs are not included in ownership rates since they vary by geographic area and with individual contractors. These costs are considered as overhead costs and are, therefore, not included here so they will not be duplicated in the overhead in the estimate or submitted proposal.

# SECTION VI. OPERATING FACTORS

## 4.11 Hourly Operating Cost

Operating cost is based on effective working time. Dredging plant operating factors are shown in table 4-1. These factors, which are described in paragraph 4.12, are not intended to replace historical data but shall be used when historical data is limited or nonexistent.

## 4.12 Prime and Secondary Power

Prime power refers to the primary operating engine for the dredge or other piece of attendant plant. Secondary power refers to all other secondary engines or power plants. If more than one secondary power engine is present, the horsepower is totaled. Fuel consumption factors are prepared on the same basis as in chapter 2. Hourly fuel costs are calculated separately for the primary and secondary engines. The formula used is expressed as follows:

Hourly Fuel Cost = Horsepower x Fuel Cost/Gallon x Engine Fuel Factor

Where:

- Horsepower is the engines rated horsepower.
- Fuel Cost/Gallon is based on values shown in appendix B. See chapter 3 for fuel cost adjustments.
- Fuel Factor - Gas or Diesel Fuel. The fuel factor is listed in table 4-1 for the primary and secondary engines.

## 4.13 Water, Lube, and Supplies (WLS)

This factor is similar to the filters, oil, and grease (FOG) factor described in chapter 2. This item is computed as either a percentage of the hourly fuel costs or, if the type of plant has no engine, a reasonable hourly cost should be included.

This factor does not include an allowance for the oiler normally assigned to the dredge or other piece of dredging plant. The formula is expressed as follows:

Water, Lube, and Supply Cost = WLS factor x Hourly Fuel Cost

Where:

- WLS Factor is obtained from table 4-1.
- Hourly Fuel cost is calculated as shown in paragraph 4-12.

## 4.14 Repairs (RPR)

This factor includes an allowance for all major and minor repairs and is similar to the maintenance and repair cost factor (RCF) described in chapter 2. The economic adjustment factor (EAF) and the labor adjustment factor (LAF) are required to develop this cost. The formula is expressed as follows:

$$\text{Repair Cost} = \frac{\text{(Total Plant Value x RPR x EAF x LAF)}}{\text{Life in hr}}$$

Where:

- Total Plant Value = Acquisition price plus Initial capital improvements.
- RPR = Repair Factor from table 4-1.
- EAF = Economic Index (present year)/ Economic Index (acquisition year).
- LAF = Labor Adjustment Factor from appendix B.
- Life in hrs = Physical Life from table 4-1.

It should be noted that the repair allowance does not include the following estimated additive items:

a. Excessive dredge wear for parts (*e.g.,* cutter teeth and main suction pumps) is not included due to the wide variety of materials being dredged. The original cost of the bucket and normal wear are typically included in the plant value covered in the plant rate. Excessive bucket wear for mechanical dredges is estimated as an additive item or treated as a separate unit of equipment from table 2-1. Allowances for wear due to abrasive material should only be included as an additive item if it is warranted and is not considered elsewhere in the estimate.

b. Dry docking costs, which represent an allowance for rental of the dry dock facility, are not included because they vary greatly depending on the facilities available. Repairs incurred while in dry dock, which occur periodically, are in the repairs. Dry docking costs will be allocated on an average annual basis over the years between such occurrences (in accordance with FAR 31.205-24, *Maintenance and Repair Costs*).

c. There is no predetermined allowance in the dredging plant methodology for jobsite yard costs, mobilization, or demobilization. All of these cost elements must be separately estimated to match each project's construction conditions.

## SECTION VII. STANDBY

### 4.15 Standby Rate

The standby rate is computed by allowing the full ownership cost. In addition to the standby ownership rate, it may be necessary on dredges to include operating costs. Examples of allowable operating cost are as follows: a generator fuel allowance to account for operation of a diesel engine generator for power to operate pumps; navigation lights; minimum crew; *etc*.

a. Standby is a directed delay by the Government and will not be allowed during periods when the plant would have otherwise been in idle status, such as noneffective working time. Since ownership is calculated based on life in years computed monthly, standby should be paid only when additional time has been directed by the Government. Standby is to be paid on a 24-hour basis.

b. Standby for pipeline and accessories shall be based on pumping mud in determining values from table 4-1.

## SECTION VIII. NEGOTIATED PROCUREMENT

### 4.16 Rates

The calculated dredging plant rates based on the methodology presented in this chapter should be used for preparing a reasonable contract estimate. When adequate cost or pricing data is available and submitted by the contractor for negotiated procurement, the rates may be adjusted in accordance with the methodology in this chapter. Cost or pricing data is defined in FAR 15.4*, Contract Pricing*.

### 4.17 Allowance for Additional Capital Improvements

Allowance for additional capital improvements shall be calculated in accordance with accepted general accounting principles. When adequate cost or pricing data is not available, factors for a similar unit of equipment may be used for determining the ownership rate for overage equipment and plant.

### 4.18 Overage Plant

When the plant has exceeded the useful life given in table 4-1, it is considered overage. The ownership rate for overage plant should be determined with the same methodology described in section V.

a. When actual cost or pricing data is available to adjust the operating rate, the data must be accurate, complete, and established in accordance with accepted general accounting principles.

b. When actual cost or pricing data is not available, the total hourly operating rate for overage equipment shall be computed on the basis that the equipment is equal to the useful life as shown in table 4-1.

### 4.19 Dredging Plant Purchased Used

For plant purchased used, the ownership and operating rate must be calculated on an individual case, due to the varying conditions. When actual cost or pricing data is not available, the methodology from this chapter shall be used and values for life and salvage from table 4-1 can be adjusted. Support for adjustments can be obtained by calling the Chief, Cost Engineering Branch, Engineering Division, Walla Walla District, U.S. Army Corps of Engineers (CENWW-ED-C), telephone 509-527-7511 or 509-527-7510.

## SECTION IX. RATE CALCULATION EXAMPLE

### 4.20 Rate Calculation Example

The example shown in figure 4-2 illustrates the use of figure 4-1, table 4-1, and the regional data from appendix B to generate a rate. For illustration purposes, assume that a 24-inch hydraulic dredge was purchased new in 1987 for $3,700,000, including tax and delivery, and there were no initial capital improvements. This example uses 500 hours per month and a discounted CMR of 3.4 percent.

## Table 4-1. Dredging Plant Cost Factors

| Type of Plant | Useful Life | Physical Life | Salvage Value | Prime Engine Fuel Factor | | | Secondary Engine Fuel Factor | | | WLS % | | RPR % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | YRS | HR | SLV | HPF | G | D | HPF | G | D | G | D | |
| Hydraulic Dredges - Pipeline (Cutterhead or Dustpan) (Based on Discharge Diameter) (Non-Truckable) | | | | | | | | | | | | |
| 8 inch and under | 5 | 10,000 | 0.05 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 70 |
| 9 inch through 10 inch | 6 | 12,000 | 0.05 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 80 |
| 11 inch through 12 inch | 8 | 16,000 | 0.05 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 90 |
| 13 inch through 15 inch | 15 | 40,000 | 0.05 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 100 |
| 16 inch through 17 inch | 20 | 80,000 | 0.05 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 110 |
| 18 inch through 20 inch | 20 | 100,000 | 0.05 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 120 |
| 21 inch through 22 inch | 25 | 120,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 130 |
| 23 inch through 24 inch | 25 | 130,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 130 |
| 25 inch through 29 inch | 30 | 135,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 130 |
| 30 inch or larger | 30 | 135,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 130 |
| Barge Mounted Booster Pump (For Pipeline Dredges) | | | | | | | | | | | | |
| 16 inch through 17 inch | 20 | 80,000 | 0.05 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 22 | 24 | 80 |
| 18 inch through 20 inch | 20 | 100,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 22 | 24 | 90 |
| 21 inch through 22 inch | 25 | 120,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 22 | 24 | 100 |
| 23 inch through 24 inch | 25 | 130,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 22 | 24 | 110 |
| 25 inch through 29 inch | 30 | 135,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 22 | 24 | 120 |
| 30 inch or larger | 30 | 135,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 22 | 24 | 120 |

SLV = Salvage Value HPF = Horsepower Factor G = Gas D = Diesel
WLS = Water, Lube and Supplies RPR = Repairs

## Table 4-1. Dredging Plant Cost Factors (Continued)

| Type of Plant | Useful Life | Physical Life | Salvage Value | Prime Engine Fuel Factor | | | Secondary Engine Fuel Factor | | | WLS % | | RPR % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | YRS | HR | SLV | HPF | G | D | HPF | G | D | G | D | |
| Mechanical Dredges (Large)[1] | | | | | | | | | | | | |
| Clamshell - under 5 cy | 8 | 16,000 | 0.05 | 70 | 0.072 | 0.039 | 60 | 0.062 | 0.033 | 22 | 24 | 90 |
| Clamshell - 6 cy to 10 cy | 13 | 26,000 | 0.05 | 70 | 0.072 | 0.039 | 60 | 0.062 | 0.033 | 22 | 24 | 100 |
| Clamshell - 11 cy to 15 cy | 20 | 40,000 | 0.05 | 70 | 0.072 | 0.039 | 60 | 0.062 | 0.033 | 22 | 24 | 110 |
| Clamshell - 16 cy to 20 cy | 25 | 75,000 | 0.05 | 70 | 0.072 | 0.039 | 60 | 0.062 | 0.033 | 22 | 24 | 120 |
| Clamshell - 20 cy and over | 30 | 90,000 | 0.05 | 70 | 0.072 | 0.039 | 60 | 0.062 | 0.033 | 22 | 24 | 130 |
| All Other Types (Bucket or Dipper) | 25 | 90,000 | 0.10 | 70 | 0.072 | 0.039 | 60 | 0.062 | 0.033 | 22 | 24 | 120 |
| Barge Mounted Crane with Clamshell Bucket Non - Dredging | | | | | | | | | | | | |
| Clamshell - under 6 cy | 9 | 18,000 | 0.05 | 55 | 0.055 | 0.031 | 45 | 0.045 | 0.025 | 22 | 24 | 85 |
| Clamshell - 6 cy to 10 cy | 14 | 28,000 | 0.05 | 55 | 0.055 | 0.031 | 45 | 0.045 | 0.025 | 22 | 24 | 95 |
| Clamshell - 11 cy to 15 cy | 21 | 42,000 | 0.05 | 55 | 0.055 | 0.031 | 45 | 0.045 | 0.025 | 22 | 24 | 105 |
| Barge Mounted Lifting Crane | | | | | | | | | | | | |
| 25 Ton to 75 Ton, 45' Boom | 9 | 18,000 | 0.05 | 40 | 0.040 | 0.022 | 30 | 0.030 | 0.017 | 22 | 24 | 80 |
| 75 Ton to 125 Ton, 60' Boom | 14 | 28,000 | 0.05 | 40 | 0.040 | 0.022 | 30 | 0.030 | 0.017 | 22 | 24 | 90 |
| Over 125 Ton, over 60' Boom | 21 | 42,000 | 0.05 | 40 | 0.040 | 0.022 | 30 | 0.030 | 0.017 | 22 | 24 | 100 |
| Barges (Used with Dredging) | | | | | | | | | | | | |
| Fuel or Water | 20 | 90,000 | 0.05 | 20 | 0.021 | 0.011 | 20 | 0.021 | 0.011 | 18 | 20 | 60 |
| Equipment or Work | 20 | 90,000 | 0.05 | 20 | 0.021 | 0.011 | 20 | 0.021 | 0.011 | 18 | 20 | 60 |
| Derrick | 20 | 90,000 | 0.10 | 20 | 0.021 | 0.011 | 20 | 0.021 | 0.011 | 18 | 20 | 70 |
| Anchor | 20 | 90,000 | 0.05 | 20 | 0.021 | 0.011 | 20 | 0.021 | 0.011 | 18 | 20 | 60 |
| Mooring Barge | 20 | 90,000 | 0.05 | 20 | 0.021 | 0.011 | 20 | 0.021 | 0.011 | 18 | 20 | 60 |
| Dump Scow | 20 | 90,000 | 0.05 | 20 | 0.021 | 0.011 | 20 | 0.021 | 0.011 | 18 | 20 | 70 |

SLV = Salvage Value HPF = Horsepower Factor G = Gas D = Diesel
WLS = Water, Lube and Supplies RPR = Repairs
[1] Sized by the largest bucket used (normally a mud bucket)

## Table 4-1. Dredging Plant Cost Factors (Continued)

| Type of Plant | Useful Life | Physical Life | Salvage Value | Prime Engine Fuel Factor | | | Secondary Engine Fuel Factor | | | WLS % | | RPR % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | YRS | HR | SLV | HPF | G | D | HPF | G | D | G | D | |
| Boats – See Category M10.50 | | | | | | | | | | | | |
| Tugs and Tenders (Used with Dredging) | | | | | | | | | | | | |
| Under 500 hp | 8 | 16,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 32 | 38 | 80 |
| 500 through 1,000 hp | 10 | 20,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 32 | 38 | 90 |
| 1,000 through 2,000 hp | 15 | 55,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 32 | 38 | 100 |
| 2,000 through 3,000 hp | 20 | 100,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 32 | 38 | 110 |
| Over 3,000 hp | 25 | 120,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 32 | 38 | 120 |
| Pipeline and Accessories (Inland Environment) | | | | | | | | | | | | |
| Metal Pipeline (under 20 inch) | | | | | | | | | | | | |
| Pumping Mud | 2 | 9,000 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Pumping Sand | 1 | 4,500 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Pumping Rock (Gravel) | 0.3 | 1,500 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Joints | 3 | 12,000 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 30 |
| Pontoons/Floats | 12 | 60,000 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Metal Pipeline (20 inch and Larger) | | | | | | | | | | | | |
| Pumping Mud | 3 | 12,000 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Pumping Sand | 1.5 | 6,000 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Pumping Rock (Gravel) | 0.5 | 2,000 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Joints | 3 | 12,00 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 30 |
| Pontoons/Floats | 12 | 60,000 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |

SLV = Salvage Value HPF = Horsepower Factor G = Gas D = Diesel
WLS = Water, Lube and Supplies RPR = Repairs

## Table 4-1. Dredging Plant Cost Factors (Continued)

| Type of Plant | Useful Life | Physical Life | Salvage Value | Prime Engine Fuel Factor | | | Secondary Engine Fuel Factor | | | WLS % | | RPR % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | YRS | HR | SLV | HPF | G | D | HPF | G | D | G | D | |
| Pipeline and Accessories (Ocean Environment) | | | | | | | | | | | | |
| Metal Pipeline (All sizes) | | | | | | | | | | | | |
| Pumping Mud | 2 | 9,000 | 0.40 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Pumping Sand | 1 | 4,500 | 0.40 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Pumping Rock (Gravel) | 0.3 | 1,500 | 0.40 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Joints | 1 | 4,500 | 0.40 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Pontoons/Floats | 2 | 9,000 | 0.40 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Metal Pipeline On-Shore | | | | | | | | | | | | |
| Pumping Mud | 3 | 12,000 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Pumping Sand | 1.5 | 6,000 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| Pumping Rock (Gravel) | 0.5 | 2,000 | 0.10 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |

Standby Calculation: Standby for pipeline and accessories shall be based on pumping mud.

SLV = Salvage Value HPF = Horsepower Factor G = Gas D = Diesel
WLS = Water, Lube and Supplies RPR = Repairs

## 1. PERTINENT DATA:

| | | | |
|---|---|---|---|
| a. | Plant Description | 24-inch Hydraulic Cutter Suction Dredge | |
| b. | Model and Series | Ellicott Series 4900 Super Dragon | |
| c. | Prime Engine Horsepower | 3,730 hp | |
| d. | Secondary Engine(s) Horsepower | | |
| | **EXAMPLE**: | | |
| | (1) Electrical Generators | 200 hp | |
| | (2) hydraulic System | 1,325 hp | |
| | (3) Cutter Head Drive | 750 hp | |
| | (4) Hydraulic Water Jet | 200 hp | |
| | Total Secondary Hp | 2,475 hp | |
| e. | Plant Value | | |
| | (1) Acquisition Price | $3,700,000.00 | |
| | (2) Capital Improvements | $0.00 | |
| | Total Plant Value | $3,700,000.00 | |
| f. | Acquisition Year | 1987 | |
| g. | Year of Use | 2003 | |
| h. | CMR (Undiscounted) | 4.250% | |
| i. | Use Discounted CMR (4.250%/1.25) = | | 3.400% |
| j. | Hours Worked/Mo (Effective Working Time) | 500 hr/mo | |
| k. | Additive Item(s) | | |
| | **EXAMPLE**: | | |
| | (1) Excessive Dredge Wear (Gravel) | | $8,000.00 /mo |
| | (2) _____ | | _____ /mo |
| | (3) _____ | | _____ /mo |
| | (4) _____ | | _____ /mo |
| | (5) _____ | | _____ /mo |

Input data, methodology, and notes used in the following sections of this form are or have reference to Engineer Pamphlet (EP) 1110-1-8, *Construction Equipment Ownership and Expense Schedule* (see chapter 4).

For information on CMR, see paragraph 4-9.
The CMR is located in appendix I.

**Figure 4-2. Dredging Plant Ownership and Operating Rate Worksheet**

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**2. APPENDIX B DATA:**

| | | | |
|---|---|---|---|
| a. | LAF | 1.170 | |
| b. | Fuel Type | Diesel (Off-Road) | |
| | Fuel Cost per Gallon (gal) | $1.49 | /gal |

**3. APPENDIX E DATA: (EK 105)**

| | | | |
|---|---|---|---|
| a. | Economic Index for Acquisition Year | 3,886 | <for 1987> |
| b. | Economic Index for Year of Use | 6,022 | <for 2003> |

**4. TIME AVAILABLE TO DREDGE:** (Refer to paragraph 4-3)

| | | | |
|---|---|---|---|
| | Months Available per year | 9 | mos/yr |

*(Months available per year based on Atlantic Coast and Tributaries Region, figure 4-1)*

**5. TABLE 4-1 DATA:**

| | | | | |
|---|---|---|---|---|
| a. | Useful Life (yrs) for Ownership | 25 | yrs | |
| b. | Physical Life (hr) for Repairs | 130,000 | hrs | |
| c. | SLV | 0.10 | | |
| d. | Prime Engine Fuel Factor | 0.045 | | |
| e. | Secondary Engine Fuel Factor | 0.039 | | |
| f. | WLS | 22% | | = 0.22 |
| g. | RPR | 130% | | = 1.30 |

**6. YEARLY OWNERSHIP PERCENT:**

a. Yearly Depreciation Percent: = (1.0 – SLV) / N
(1.0 – 0.10) / 25.00 = 3.60%

b. Yearly CMR Percent = [(N - 1)(1 + SLV) + 2] x Discounted Money Rate / 2N
[(25.00 – 1)(1 + 0.10) + 2] x 3.400% / (2 x 25.00) = 1.93%

c. Total Yearly Ownership Percent (3.60% + 1.93%) = 5.53%

**7. OWNERSHIP RATES:**

a. Yearly Ownership Cost: = (Total Plant Value x Total Yearly Ownership Percent)
($3,700,000.00 x 5.53%) = $204,610.00 /yr

b. Monthly Ownership Cost: = (Yearly Ownership Cost/Months Available per Year)
($204,610.00 /yr / 9mos/yr) = $22,734.00 /mo

**Figure 4-2. Dredging Plant Ownership and Operating Rate Worksheet (Continued)**

Page 2 of 4

**8. OPERATING RATES:**

a. Hourly Fuel Cost = (Engine Fuel Factor x hp x Fuel Cost/Gal)

(1) Prime Engine Fuel:
(0.045 x 3,730 hp x $1.49 /gal) = $250.10 /hr

(2) Secondary Engine Fuel:
(0.039 x 2,475 hp x $1.49 /gal) = $143.82 /hr

b. Hourly Water, Lube, and Supply Cost = (WLS factor x Hourly Fuel Cost)

(1) Prime Engine WLS:
(0.22 x $250.10) = $55.02 /hr

(2) Secondary Engine WLS:
(0.22 x $143.82) = $31.64 /hr

c. Hourly Repair Cost:

(1) EAF:
= (Economic Index for Year of Use / Economic Index for Acquisition Year)
(6022 <for 2003> / 3886 <for 1987> = 1.550

(2) Hourly Repair Cost:
= (Total Plant Value x RPR x EAF x LAF) / Physical Life in hr
($3,700,000.00 x 1.30 x 1.550 x 1.170) / 130,000 hr = $67.10 /hr

d. Total Hourly Operating Cost: = (Fuel + WLS + Repairs)
($250.10 + $55.02 + $143.82 + $31.64 + $67.10) = $547.68 /hr

e. Monthly Operating Cost: = (Total Hourly Operating Cost x Hours Worked per/Month)
($547.68 /hour x 500 hours/month) = $273,840.00 /mo

**9. SUBTOTAL MONTHLY COST = (OWNERSHIP + OPERATING):**

($22,734.00 /month + $273,840.00 /month) = $296,574.00 /mo

**10. ESTIMATED ADDITIVE ITEMS (Sheet 1, Item k.):**

a. Excessive Dredge Water (Gravel) $8,000.00 /mo
b. _____ _____/mo
c. _____ _____/mo
d. _____ _____/mo
e. _____ _____/mo

**Figure 4-2. Dredging Plant Ownership and Operating Rate Worksheet (Continued)**

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**10. ESTIMATED ADDITIVE ITEMS (Continued):**

f. Subtotal – Estimated Additive Items $8,000.00 /mo

**11. TOTAL MONTHLY COST (Items 9 + 10.f.): $304,574.00 /mo**

**12. STANDBY ALLOWANCE:**

a. Yearly Standby Cost:
= Yearly Ownership Cost from 7.a.
$204,610.00 /yr

b. Monthly Standby Cost:
= Monthly Ownership Cost from 7.b.
$22,734.00 /mo

c. Standard Hourly Standby Cost:
= (Monthly Standby Cost / 730 hr/mo)

($22,734.00 /month /730 hours/month) = **$31.14 /hr**

An additional generator fuel allowance may be allowed under certain circumstances. This allowance is applicable to dredges only.

d. Generator Fuel Allowance:

= ((Generator Hp / Total Secondary Hp) x Secondary Fuel Cost)
((200 Hp / 2,475 Hp) x $143.82) = $11.62 /hr

e. Total Hourly Standby Allowance:

= (Standard Hourly Standby Cost + Generator Fuel Allowance)
($31.14 + $11.62) = **$42.76 /hr**

**Figure 4-2. Dredging Plant Ownership and Operating Rate Worksheet (Continued)**
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# APPENDIXES

Appendix A References
Appendix B Area Factors
Appendix C Guide for Selecting Operating Conditions
Appendix D Equipment Hourly Expense Calculation Factor
Appendix E Economic Indexes for Construction Equipment
Appendix F Tire Description and Tire Cost
Appendix G Tire Life and Tire Wear Factors
Appendix H Manufacturer List
Appendix I Federal Cost-of-Money Rate
Appendix J Equipment Accessories
Appendix K Acronyms
Appendix L Ground Engaging Component Costs Included in Repairs (RCF)

# APPENDIX A REFERENCES

Section I: Required Publications
Section II: Related Publications
Section III: Engineer Federal Acquisition Regulation Reference
Section IV: Government Bookstores

Sample Equipment Rate Worksheet

# APPENDIX A

# REFERENCES

## SECTION I: REQUIRED PUBLICATIONS

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## SECTION III: EFAR REFERENCE

## EFARS PART 31
## CONTRACT COST PRINCIPLE AND PROCEDURES

**EAC 95-6**

### SUBPART 31.1 -- APPLICABILITY

**31.105 Construction and Architect-Engineer Contracts**.

(d)(2)(i)(b) In this case, equipment ownership and operating costs shall be determined using the Construction Equipment Ownership and Operating Expense Schedule published by the U.S. Army Corps of Engineers.

**31.105-100 Contract Clause.**

The contracting officer shall insert the statement at 52.231-5000 in all solicitations and contracts for construction within the United States that are expected to exceed the small purchase threshold.

**EFARS Clause - 52.231-5000 Equipment Ownership and Operating Expense Schedule**.

As prescribed in 31.105-100, insert the following clause in all solicitations and contracts for construction that are expected to exceed the small purchase threshold.

EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE (MAR 1995) – EFARS.

(a) This clause does not apply to terminations. See 52.249-5000, *Basis for Settlement of Proposals*, and FAR Part 49, *Termination of Contracts*.

(b) Allowable cost for construction and marine plant and equipment in sound workable condition owned or controlled and furnished by a contractor or subcontractor at any tier shall be based on actual cost data for each piece of equipment or groups of similar serial and series for which the Government can determine both ownership and operating costs from the contractor's accounting records. When both ownership and operating costs cannot be determined for any piece of equipment or groups of similar serial or series equipment from the contractor's accounting records, costs for that equipment shall be based upon the applicable provisions of EP 1110-1-8, *Construction Equipment Ownership and Operating Expense Schedule,* Region *[Insert roman numeral for the appropriate region of the schedule].* Working conditions shall be considered to

**SECTION III: EFAR REFERENCE** (Continued)

be average for determining equipment rates using the schedule unless specified otherwise by the contracting officer. For equipment not included in the schedule, rates for comparable pieces of equipment may be used or a rate may be developed using the formula provided in the schedule. For forward pricing, the schedule in effect at the time of negotiations shall apply. For retroactive pricing, the schedule in effect at the time the work was performed shall apply.

(c) Equipment rental costs are allowable, subject to the provisions of FAR 31.105, *Construction and Architect-Engineer Contract,* and FAR 31.205-36, *Rental Costs*. Rates for equipment rented from an organization under common control, lease-purchase arrangements, and sale-leaseback arrangements, will be determined using the schedule, except that actual rates will be used for equipment leased from an organization under common control that has an established practice of leasing the same or similar equipment or unaffiliated lessees.

(d) When actual equipment costs are proposed and the total amount of the pricing action exceeds the small purchase threshold, the contracting officer shall request the contractor to submit either certified cost or pricing data, or partial/limited data, as appropriate. The data shall be submitted on Standard Form 1411, Contract Pricing Proposal Cover Sheet.

## SECTION IV. GOVERNMENT BOOKSTORES

U.S. Government periodicals are sold by the Office of the Superintendent of Documents. Orders may be placed by mail from the following address:

Superintendent of Documents
P.O. Box 371954
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Orders may be placed by telephone or fax (Visa/Mastercard is accepted). Telephone: 866-512-1800 (D.C. area: 202-512-1800). Fax: 202-512-2250.

Orders may also be placed electronically at Internet address http://bookstore.gpo.gov/.

Regional government bookstores can also be contacted for orders (see the following list).

RETURN POLICY: Publications are not accepted for exchange or credit unless an error was made in filling your order .

When ordering, please give the following information:

| | |
|---|---|
| Title of Publication: | EP 1110-1-8, Construction Equipment Ownership and Operating Expense Schedule |
| Region: | Region I through XII |
| Volume No. | Volume No. 1 through No. 12 |
| Media: | CD-ROM |

### REGIONAL BOOKSTORES

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710 North Capitol St. NW
Washington, DC 20401
202-512-0132

WAREHOUSE SALES OUTLET:
3660 Cherry Lane
Laurel, MD 20707
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999 Peachtree Street Northeast, Suite 120
Atlanta, GA 30309
404-347-1900

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|---|---|
| DENVER: | 1660 Wynkoop Street, Suite 130<br>Denver, CO 80202<br>303-844-3964 |
| DETROIT: | Suite 160, Federal Building<br>477 Michigan Avenue<br>Detroit, MI 48226<br>313-226-7816 |
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| NEW YORK: | Room 2-120, Federal Building<br>26 Federal Plaza<br>New York, NY 10278<br>212-264-3825 |
| PITTSBURGH: | Room 118, Federal Building<br>1000 Liberty Avenue<br>Pittsburgh, PA 15222<br>412-395-5021 |
| PORTLAND: | 1305 Southwest First Avenue<br>Portland, OR 97201-5801<br>503-221-6217 |

| | |
|---|---|
| PUEBLO: | Wells Fargo Building<br>Norwest Banks Building<br>201 West 8th Street<br>Pueblo, CO 81003<br>719-544-3142 |
| SEATTLE: | Room 194, Federal Building<br>915 Second Avenue<br>Seattle, WA 98174<br>206-553-4270 |

Use this worksheet to compute rates for equipment that is not in this pamphlet.

1. **EQUIPMENT INFORMATION AND EXPENSE FACTORS**

ID No.: _____

a. Equipment Specification Data:
   (1) Equipment Description: _____
   (2) Model and Series: _____
   (3) Year of Use: _____
   (4) Year Manufactured: _____
   (5) Horsepower - Equipment: _____
   (6) Horsepower - Carrier: _____
   (7) Fuel type: - Equipment: gas/diesel off-road/diesel on-road/electric/air _____
   - Carrier: gas/diesel off-road/diesel on-road/electric/air _____
   (8) Shipping Weight (cwt): _____
   (9) Tire size and number of tires: (Cost of tires based on year of use – see 1.a.(3) and appendix F)

| | No. | Size/Ply | Unit Price | Cost |
|---|---|---|---|---|
| (a) Front (FT): | _____ | _____ | $_____ | $_____ |
| (b) Drive (DT): | _____ | _____ | $_____ | $_____ |
| (c) Trailing (TT): | _____ | _____ | $_____ | $_____ |
| (d) Total Tire Cost: | | | | $_____ |

**USE APPENDIX D TO COMPLETE THE FOLLOWING DATA:**

b. Category and Subcategory Number: _____
c. Hourly Expense Calculation Factors:
   (1) Economic Key (EK): _____
   (2) Condition (C): _____ Average or Severe or Difficult
   (3) Discount Code (DC): B = 7.5% (0.075) – or – S = 15.0% (0.15) _____
   (4) Life in Hours (LIFE): _____
   (5) Salvage Value Percentage (SLV): _____
   (6) Fuel Factor – Equipment [Electric (E) Gas (G) Diesel (D)]: _____
   (7) Fuel Factor – Carrier (E G D): _____
   (8) Filters, Oil, and Grease (FOG) Factor (E G D): _____
   (9) Tire Wear Factor:
      (a) Front (FT): _____
      (b) Drive (DT): _____
      (c) Trailing (TT): _____
   (10) Repair Cost Factor (RCF): _____

Page 1 of 6

Equipment Rate Computation Worksheet (copy as needed).

2. **EQUIPMENT VALUE**

a. List Price + Accessories: *[at Year of Manufacture]* =$_____

(1) Discount: (List Price + Accessories) x (Discount Code)
[1.c.(3)]

($_____ + $_____) x (_____) =-($_____

(2) Subtotal [2.a.] – [2.a.(1)] Subtotal=$_____

(3) Sales or Import Tax: (Subtotal) x (Tax Rate)
[2.a.(2)] [Appendix B]

($_____) x (_____) =+$_____

(4) Total Discounted Price: Subtotal: [2.a.(2)] + [2.a.(3)] Subtotal=$_____

b. Freight: (Shipping Weight) x (Freight Rate per cwt)
[1.a.(8)] [Appendix B]

(_____cwt) x ($_____/cwt) =+$_____

c. **TOTAL EQUIPOMENT VALUE (TEV):** **TOTAL[2.]:=$_____**
[(2.a.(4)] + [(2.b)]

*(See chapter 3 for used and overage equipment rate adjustments.)*

3. **DEPRECIATION PERIOD (N)**

a. (LIFE hours (hr)) / (Working Hours Per Year (WHPY)) = N
[1.c.(4)] [Appendix B]

(_____hr) / (_____hr/yr) =_____

4. **OWNERSHIP COST**

a. Depreciation

(1) Tire Cost Index (TCI):
(Tire Index, Yr of Mfg) / (Tire Index, Based on 1.a.(3)) =___Tire Cost Index (TCI)
[Appendix E, EK=100] [Appendix E, EK=100]

(_____) / (_____) =_____(TCI)

(2) [(TEV) x [1.0 - ( SLV )] - [ ( TCI ) x (Tire Cost)]] / ( LIFE )
[2.c.] [1.c.(5)] [4.a.(1)] [1.a.(9)(d)] [1.c.(4)]

[($_____) x [1.0 – (_____)] – [(_____) x ($_____)]] / (_____hr)

=$_____/hr



Equipment Rate Computation Worksheet (copy as needed).

4. **OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

(1) [[( N ) - 1.0] x [1.0 + (SLV)] + 2.0] / [2.0x ( N )] = Avg Value Factor
[3.a.] [1.c.5.] [3.a.] (AVF)

[[(_____yr) – 1.0] x [1.0 + (_____)] + 2.0] / [2.0 x (_____yr)]

=_____ (AVF)

(2) ( TEV ) x ( AVF ) x (Adjusted Cost - of - Money) / ( WHPY )
[2.c] [4.b.(1)] [Appendix B] [Appendix B]

($_____) x (_____) x (_____) / (_____hr/yr)
=$_____ /hr

c. **TOTAL HOURLY OWNERSHIP COST: TOTAL [4.]:** **=$_____** /hr
[4.a.(2)] + [4.b.(2)]

5. **OPERATING COST**

a. Fuel Costs:

(1) Equipment:

(Fuel Factor x (Horsepower (hp)) x (Fuel Cost Per Gallon (gal))
[1.c.(6)] [1.a.(5)] [Appendix B]

(_____) x (_____hp) x ($_____/ gal) =$_____ /hr

(2) Carrier:

(Fuel Factor) x (Horsepower) x (Fuel Cost Per Gallon)
[1.c.(7)] [1.a.(6)] [Appendix B]

(_____) x (_____hp) x ($_____/gal) =$_____/hr

(3) Total Hourly Fuel Cost: **Total [5.a.]** =$_____/hr
[(5.a.(1)] + [5.a.(2)]

b. FOG Cost:

(1) Equipment:

(FOG Factor) x (Equipment Fuel Cost) x (Labor Adjustment Factor (LAF))
[1.c.(8)] [5.a.(1)] [Appendix B]

(_____) x ($_____/hr) x (_____) =$_____/hr

Page 3 of 6

Equipment Rate Computation Worksheet (copy as needed).

5. **OPERATING COST (Continued)**

(2) Carrier:

(FOG Factor) x (Carrier Fuel Cost) x (LAF)
[1.c.(8)] [5.a.(2) [Appendix B]

(_____) x ($_____/hr) x (_____) =$_____ /hr

(3) Total Hourly FOG Cost: **Total [5.b.]** =$_____ /hr
[(5.b.(1)] + [5.b.(2)]

c. Alternative Fuel/FOG Cost: **Total [5.c.]** =$_____ /hr

(See chapter 2, paragraph 24.d. for guidance on when to use.)

d. Repair Cost:

(1) Economic Adjustment Factor (EAF):
(EK is from [1.c.(1)])

(Economic Index for Year 1.a.(3)) / (Economic Index for Year 1.a.(4))
[Appendix E] [Appendix E]

(_____) / (_____) =_____ (EAF)

*(See table 3-1 for last year of economic life.)*

(2) Repair Factor (RF):

(RCF) x (EAF) x (LAF) =___Repair Factor (RF)
[1.c.(10)] [5.d.(1)] [Appendix B]

(_____) x (_____) x (_____) =_____ (RF)

(3) Repair Cost:

[(TEV) - [(TCI) x (Tire Cost )]] x (RF) / (LIFE)
[2.c.] [4.a.(1)] [1.a.(9)(d)] [5.d.(2)] [1.c.(4)]

[($_____) – [(_____) x ($_____)]] x (_____) / (_____)

(4) Total Hourly Repair Cost: **Total [5.d.]** =$_____ /hr



Equipment Rate Computation Worksheet (copy as needed).

5. **<u>OPERATING COST</u> (Continued)**

e. Tire Wear Cost: (Use current price levels. See Appendix F)

(1) Front Tires (FT):

[1.5 x (FT Cost)] / [1.8 x (FT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(a)] [1.c.(9)(a)] [Appendix G]

[1.5 x ($_____)] / [1.8 x (_____) x (_____/hr)]

=$_____ /hr

(2) Drive Tires (DT):

[1.5 x (DT Cost)] / [1.8 x (DT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(b)] [1.c.(9)(b)] [Appendix G]

[1.5 x ($_____)] / [1.8 x (_____) x (_____/hr)]

=$_____ /hr

(3) Trailing Tires (TT):

[1.5 x (TT Cost)] / [1.8 x (TT Wear Factor) x (Maximum Tire Life Hours)]
[1.a.(9)(c)] [1.c.(9)(c)] [Appendix G]

[1.5 x ($_____)] / [1.8 x (_____) x (_____/hr)]

=$_____ /hr

(4) Total Tire Wear Cost: **Total [5.e.]** =$_____ /hr
[Sum 5.e.(1) through 5.e.(3)]

f. Tire Repair Cost:

(Total Tire Wear Cost) x 0.15 x (LAF)
[5.e.(4)] [Appendix B]

($_____/hr) x 0.15 x (_____) **Total [5.f.]** =$_____ /hr

g. **TOTAL HOURLY OPERATING COST:** **TOTAL [5.] =$_____ /hr**
[Sum 5.a. through 5.f.]

Page 5 of 6

Equipment Rate Computation Worksheet (copy as needed).

6. **HOURLY RATES**

a. Total Hourly Rate: [*based on 40 hours per week (wk)*]

(Ownership Cost) + (Operating Cost)

($_____/hr) + ($_____/hr) =$_____ /hr

b. Other Work Shifts Hourly Rate:
*(Refer to Chapter 3, Adjustments to Rates, for methodology.)*

[(Depreciation) + [(FCCM) x (40 hr/wk) / (Work hr/wk)] + (Operating Cost)]
[4.a.(2)] [4.b.(2)] (example: 60 hr/wk) [5.g.]

[($_____/hr) + [($_____/hr) x (40 hr/wk) / (_____hr/wk)] + ($_____/hr)]

=$_____ /hr

c. Standby Hourly Rate:

[(Depreciation) x 0.50] + (FCCM)
[4.a.(2)] [4.b.(2)]

[($_____/hr) x 0.50] + ($_____/hr) =$_____ /hr)

**See Chapter 3 if rate adjustments are necessary.**

**page 6 of 6**

Equipment Rate Computation Worksheet (copy as needed).

# APPENDIX B AREA FACTORS

# APPENDIX B

## AREA FACTORS

*WEST*

**Region:** 7

| | | |
|---|---|---|
| Total State Sales or Import Tax Rate: | 7.80% | |
| Working Hours Per Year (WHPY): | 1,630 | hrs/yr |
| Labor Adjustment Factor (LAF): | 1.17 | |
| Electricity Cost Per Kilowatt-Hour: | $0.081 | /kW-Hr |
| Gasoline Cost Per Gallon: | $1.65 | /gal |
| Diesel Cost Per Gallon (Off-Road Use): | $1.49 | /gal |
| Diesel Cost Per Gallon (On-Road Use): | $1.74 | /gal |
| Cost-of-Money Rate (Full Rate): | 4.250% | |
| Cost-of-Money Rate (Adjusted): | 3.400% | |

### Freight Rates

| | | | | | |
|---|---|---|---|---|---|
| over | 0 | cwt | thru | 240 | $7.87 |
| over | 240 | cwt | thru | 300 | $7.11 |
| over | 300 | cwt | thru | 400 | $6.35 |
| over | 400 | cwt | thru | 500 | $5.73 |
| over | 500 | cwt | thru | 700 | $5.12 |
| over | 700 | cwt | thru | 800 | $5.42 |
| over | 800 | cwt | thru | 99,999 | $4.26 |

# APPENDIX B

## AREA FACTORS (for all regions)

**Below is a listing of all regional area factors for reference only. The area factor's used for this pamphlet are loacted on previous page B-1.**

| Reg | | | SST | WHPY | LAF | Elec | Gas | D-Off | D-On | Freight Cost Thru CWT $ | | Thru CWT $ | | Thru CWT $ | | Thru CWT $ | | Thru CWT $ | | Thru CWT $ | | Thru CWT $ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NORTHEAST | 2003 | 5.50% | 1360 | 1.15 | $0.099 | $1.64 | $1.43 | $1.70 | 240 | $8.05 | 300 | $7.27 | 400 | $6.49 | 500 | $5.86 | 700 | $5.24 | 800 | $5.50 | 99,999 | $7.71 |
| 2 | MIDEAST | 2003 | 5.50% | 1450 | 1.04 | $0.066 | $1.61 | $1.36 | $1.63 | 240 | $5.85 | 300 | $5.28 | 400 | $4.72 | 500 | $4.26 | 700 | $3.80 | 800 | $3.99 | 99,999 | $5.87 |
| 3 | SOUTHEAST | 2003 | 8.20% | 1530 | 0.83 | $0.065 | $1.51 | $1.34 | $1.59 | 240 | $7.00 | 300 | $6.32 | 400 | $5.65 | 500 | $5.10 | 700 | $4.55 | 800 | $5.39 | 99,999 | $5.32 |
| 4 | NORTHCENTRAL | 2003 | 5.60% | 1260 | 1.04 | $0.063 | $1.65 | $1.40 | $1.65 | 240 | $6.01 | 300 | $5.43 | 400 | $4.85 | 500 | $4.38 | 700 | $3.91 | 800 | $3.82 | 99,999 | $3.38 |
| 5 | MIDWEST | 2003 | 7.60% | 1400 | 0.98 | $0.061 | $1.57 | $1.38 | $1.63 | 240 | $5.04 | 300 | $4.55 | 400 | $4.06 | 500 | $3.67 | 700 | $3.28 | 800 | $3.52 | 99,999 | $3.53 |
| 6 | SOUTHWEST | 2003 | 8.70% | 1590 | 0.88 | $0.064 | $1.54 | $1.33 | $1.57 | 240 | $5.58 | 300 | $5.04 | 400 | $4.50 | 500 | $4.07 | 700 | $3.63 | 800 | $3.65 | 99,999 | $3.08 |
| 7 | WEST | 2003 | 7.80% | 1630 | 1.17 | $0.081 | $1.65 | $1.49 | $1.74 | 240 | $7.87 | 300 | $7.11 | 400 | $6.35 | 500 | $5.73 | 700 | $5.12 | 800 | $5.42 | 99,999 | $4.26 |
| 8 | NORTHWEST | 2003 | 5.80% | 1540 | 1.09 | $0.064 | $1.66 | $1.47 | $1.71 | 240 | $9.50 | 300 | $8.58 | 400 | $7.66 | 500 | $6.92 | 700 | $6.18 | 800 | $6.60 | 99,999 | $5.27 |
| 9 | ALASKA | 2003 | 0.00% | 1040 | 1.22 | $0.104 | $1.74 | $1.47 | $1.71 | 240 | $21.68 | 300 | $19.58 | 400 | $17.48 | 500 | $15.79 | 700 | $14.10 | 800 | $15.17 | 99,999 | $11.80 |
| 10 | HAWAII | 2003 | 4.00% | 1480 | 1.23 | $0.134 | $2.00 | $1.64 | $1.92 | 240 | $22.00 | 300 | $20.46 | 400 | $18.96 | 500 | $17.66 | 700 | $16.39 | 800 | $16.03 | 99,999 | $10.58 |
| 11 | PUERTO RICO | 2003 | 6.60% | 1560 | 0.74 | $0.130 | $1.51 | $1.34 | $1.59 | 240 | $15.80 | 300 | $14.61 | 400 | $13.43 | 500 | $12.44 | 700 | $11.46 | 800 | $10.87 | 99,999 | $11.89 |
| 12 | KWAJALEIN | 2003 | 4.00% | 1390 | 1.18 | $0.130 | $1.40 | $1.26 | $1.26 | 240 | $22.00 | 300 | $20.46 | 400 | $18.96 | 500 | $17.66 | 700 | $16.39 | 800 | $16.03 | 99,999 | $10.58 |

**SST = State Sales tax** **WHPY = Work Hours Per Year** **LAF = Labor Adjustment Factor** **Elec = Electricty Cost Per kW-Hr**
**Gas = Gasoline Cost per Gal** **D-Off = Diesel-Off Road Cost per Gal** **D-On = Diesel-On Road Cost per Gal** **CWT = Hundred Pounds**

# APPENDIX C GUIDE FOR SELECTING OPERATING CONDITIONS

| APPENDIX C<br>GUIDE FOR SELECTING OPERATING CONDITIONS | | |
|---|---|---|
| **EQUIPMENT TYPE** | **AVERAGE** | **SEVERE** |
| **B25 and B35**:<br>Buckets<br>Clamshell or Dragline<br><br>Depreciation Period: | Working in gravels, silts, and sands at low impact freshwater environment.<br><br>8,000 - 10,000 hours | Working in rock, hard digging, high impact, or saltwater environment.<br><br>6,500 - 8,000 hours |
| **C80 and C90**:<br>Cranes<br>Hydraulic, Truck Mounted<br>Mechanical, Truck Mounted<br><br>Depreciation Period: | Lift less than rated capacity, intermittent duty.<br><br>14,000 - 20,000 hours | Continuous lift near rated capacity, excessive swing, abrasive materials, sloped surfaces, and saltwater environment.<br><br>12,000 - 18,000 hours |
| **C85**:<br>Cranes<br>Mechanical<br>Dragline, Lifting, or Clamshell<br>Crawler Mounted<br><br>Depreciation Period: | Gravels, silts, pull, and lift less than rated capacity.<br><br>14,000 - 22,000 hours | Highly abrasive materials, impact breakout, continuous load near rated capacity, and saltwater environment.<br><br>12,000 - 18,000 hours |
| **G10**:<br>Generators<br><br>Depreciation Period: | Working below rated capacity, good field conditions.<br><br>8,000 - 10,000 hours | Working at or above rated capacity, poor field conditions, such as saltwater.<br><br>7,000 - 8,000 hours |

| APPENDIX C<br>GUIDE FOR SELECTING OPERATING CONDITIONS (Continued) | | |
|---|---|---|
| **EQUIPMENT TYPE** | **AVERAGE** | **SEVERE** |
| **G15**:<br>Graders, Motor | Haul road maintenance; road construction, ditching; loose fill spreading; landforming, landleveling; summer road maintenance with medium to heavy winter snow removal; and elevating grader use. | Maintenance of hard-packed roads with embedded rock; heavy fill spreading; ripping scarifying of asphalt or concrete; continuous high load factor; and high impact. |
| Depreciation Period: | 14,500 hours | 13,500 hours |
| **H25**:<br>Hydraulic Excavators<br>Crawler Mounted | Mass excavation or trenching where machine digs all the time in natural bed clay soils; some traveling and steady, full throttle operation; and most log loading operations. | Continuous trenching or truck loading in rock or shot rock soils; large amount of travel over rough ground; machine continuously working on rock floor with constant high load factor and high impact; and saltwater environment. |
| Depreciation Period: | 8,500 - 19,000 hours | 7,000 – 15,000 hours |
| **H30**:<br>Hydraulic Excavators<br>Wheel Mounted | Continuous digging in sandy clay/sandy gravel, site development, and lumber yard applications. | Continuous digging in rock/natural bed clay, high impact, using hammer, and working in forests or quarries. |
| Depreciation Period: | 8,000 - 10,000 hours | 6,500 - 8,000 hours |

| APPENDIX C<br>GUIDE FOR SELECTING OPERATING CONDITIONS (Continued) | | |
|---|---|---|
| **EQUIPMENT TYPE** | **AVERAGE** | **SEVERE** |
| **H35**:<br>Hydraulic Shovels<br>Crawler Mounted<br>(nonelectric) | Continuous loading in well shot rock or fairly tight bank. Good underfoot conditions: dry floor, little impact, or sliding on undercarriage. | Continuous loading in poorly shot rock, virgin, or lightly blasted tight banks. Adverse underfoot conditions: rough floors, high impact sliding on undercarriage; and saltwater environment. |
| Depreciation Period: | 14,000 - 18,000 hours | 12,000 - 16,000 hours |
| **L10**:<br>Land Clearing Equipment | Working in low impact conditions at or below rated capacity. | High impact conditions working at or above rated capacity. |
| Depreciation Period: | 10,000 hours | 7,000 hours |
| **L30**:<br>Loaders, Belt (conveyors) | Working below rated capacity, with intermittent service. | Working at or above rated capacity with continuous service. |
| Depreciation Period: | 10,000 hours | 8,000 hours |

| APPENDIX C<br>GUIDE FOR SELECTING OPERATING CONDITIONS (Continued) | | |
|---|---|---|
| **EQUIPMENT TYPE** | **AVERAGE** | **SEVERE** |
| **L35**:<br>Loaders, Front End<br>Crawler Type<br><br>Depreciation Period: | Bank excavation, intermittent ripping, basement digging of natural bed clays, sands, silts, and gravels; some traveling; and steady full throttle operations.<br><br>10,000 hours | Loading shot rock, cobbles, glacial till, and caliche; steel millwork; high density materials in standard bucket; continuous work on rock surfaces; large amount of ripping of tight rock materials; high impact conditions; and saltwater environment.<br><br>8,000 hours |
| **L40**:<br>Loaders, Front End<br>Wheel Type<br>(does not include skid steer and tool carriers)<br><br>Depreciation Period: | Continuous truck loading from stockpile; low to medium density materials in properly sized bucket; hopper charging in low to medium rolling resistance; loading from bank in good digging; and load and carry on poor surfaces and slight adverse grades.<br><br>9,250 - 13,500 hours | Loading shot rock (large loaders); handling high density materials with counterweighted machine; steady loading from very tight banks; continuous work on rough or very soft surfaces; load and carry in hard digging; travel longer distances on poor surfaces with adverse grades and saltwater environment.<br><br>8,750 - 12,000 hours |
| **L45 and L50**:<br>Loaders with Backhoe<br>Crawler Type and<br>Wheel Type<br><br>Depreciation Period: | Utility applications in medium to heavy soil; occasional use of constant flow implements and dig depths to 3.05 meters (10 feet).<br><br>8,000 hours | Production applications or digging in rock; regular use of constant flow implements; and dig depths over 3.05 meters (10 feet).<br><br>6,000 hours |

| APPENDIX C<br>GUIDE FOR SELECTING OPERATING CONDITIONS (Continued) | | |
|---|---|---|
| **EQUIPMENT TYPE** | **AVERAGE** | **SEVERE** |
| **L60**:<br>Log Skidders | Continuous turning, steady skidding for medium distances with moderate decking. Good underfooting: dry floor with few stumps and gradual rolling terrain. | Continuous turning, steady skidding for long distances with frequent decking; poor underfoot conditions: wet floor, steep slopes, and numerous stumps; and saltwater environment. |
| Depreciation Period: | 10,000 hours | 8,000 hours |
| **M10 - .31 and .32**:<br>Clamshell dredges < 5 cy<br>Amphibious Excavator | Gravel, silts, breakout force at less than capacity, freshwater conditions. | Rock, abrasive materials, load at rated capacity, saltwater conditions. |
| Depreciation Period: | 10,000 - 20,000 hours | 9,000 - 18,000 hours |
| **M10 - .51 and .53**:<br>Boats, Skiffs, Crew Boats, Work Boats, Survey Boats, and Launches | Freshwater applications, light waves, and steady to light use. | Saltwater use, medium to high waves, heavy use. |
| Depreciation Period: | 16,000 - 18,000 hours | 13,000 - 15,000 hours |
| **P35**:<br>Pipelayers | Typical pipelayer use in operating conditions ranging from very good to severe. | Continuous use in deep mud or water or on rock surfaces. |
| Depreciation Period: | 14,000 hours | 11,500 hours |

| APPENDIX C<br>GUIDE FOR SELECTING OPERATING CONDITIONS (Continued) | | |
|---|---|---|
| **EQUIPMENT TYPE** | **AVERAGE** | **SEVERE** |
| **R10**:<br>Rippers and Bank Slopers | Light rock, medium breakout force required. | Hard rock, excessive wear due to high breakout force. |
| Depreciation Period: | 8,000 hours | 6,500 hours |
| **S10, S15, S20, and S25**:<br>Scrapers<br>Self-Propelled<br>Tractor Drawn<br>Soil Stabilizers | Varying loading and haul road conditions; long and short hauls; adverse and favorable grades; some impact; and typical road-building use on a variety of jobs. | High impact conditions, such as loading ripped rock; overloading, continuous high total resistance conditions; and rough haul roads. |
| Depreciation Period: | 10,000 - 15,000 hours | 8,000 - 13,500 hours |
| **T15**:<br>Tractors<br>Crawler (Dozer) | Production dozing in clays, sands, gravels, and talus rock. Push-loading scrapers, borrow pit ripping, most land clearing and skidding applications. Medium impact conditions. Production landfill work. | Heavy rock ripping; tandem ripping; pushloading and dozing in hard rock; work on rock surfaces; continuous high impact conditions; and saltwater environment. |
| Depreciation Period: | 10,000 - 15,000 hours | 8,000 - 12,500 hours |

| APPENDIX C<br>GUIDE FOR SELECTING OPERATING CONDITIONS (Continued) | | |
|---|---|---|
| **EQUIPMENT TYPE** | **AVERAGE** | **SEVERE** |
| **T20**:<br>Tractors<br>Wheel Type (Dozer)<br><br>Depreciation Period: | Production dozing, push loading in clays, sands, silts, loose gravels; and shovel cleanup.<br><br>14,000 hours | Production dozing in rock; push loading in rocky, boulder strewn borrow pits; high impact conditions; and landfill compactor work.<br><br>13,000 hours |
| **T30**:<br>Trenchers<br>Chain and Wheel Type<br><br>Depreciation Period: | Working in sands and silts below rated capacity of the machine.<br><br>8,000 hours | Working in gravels and abrasive materials at or above the rated capacity of the machine.<br><br>6,000 hours |
| **T45 and T50**:<br>Truck Trailers<br>Trucks, Highway<br><br>Depreciation Period: | Varying loading and road conditions; and typical construction use on a variety of jobs.<br><br>8,000 - 12,000 hours | Consistently poor road conditions; and oversized loading equipment.<br><br>6,500 - 10,000 hours |

| APPENDIX C<br>GUIDE FOR SELECTING OPERATING CONDITIONS (Continued) | | |
|---|---|---|
| **EQUIPMENT TYPE** | **AVERAGE** | **SEVERE** |
| **T55 and T60**:<br>Truck, Off-Highway<br>Trucks, Water, Off-Highway (Articulated and Rigid) | Varying load and haul road conditions; high rolling resistance and poor traction during part of the job; some adverse grades; some impact loads; and typical use in road building, dam construction, open-pit mining, *etc*. | Continuous use on very poorly maintained haul roads, high rolling resistance, and poor traction; frequent adverse grades and high impact loads; and poorly matched loading equipment with continuous overloading. |
| Depreciation Period: | 12,000 - 20,000 hours | 10,000 - 18,000 hours |
| **W10 and W15**:<br>Wagons<br>Bottom Dump<br>Rear Dump | Varying load and haul road conditions; long and short hauls; high rolling resistance and poor traction during part of the job; some adverse grades; some impact; typical road building use in a variety of jobs; and dam construction, open-pit mining, *etc*. | Continuous use on very poorly maintained haul roads, high rolling resistance, and poor traction; high impact conditions, such as loading ripped rock; frequent adverse grades and high impact loads; and poorly matched loading equipment with continuous overloading. |
| Depreciation Period: | 12,000 hours | 10,000 hours |

# APPENDIX D EQUIPMENT HOURLY EXPENSE CALCULATION FACTOR

# APPENDIX D

## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A10 | 0.00 | AGGREGATE / CHIP SPREADERS | 1 | | | | | | | | | | | | | | | | | | | |
| A10 | 0.10 | SELF-PROPELLED | 10 | A | B | 8,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.97 | 0.69 | 0.99 | 0.75 |
| A10 | 0.20 | TOWED & TAILGATE | 10 | A | B | 6,000 | 0.20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.79 | 0.60 |
| A15 | 0.00 | AIR COMPRESSORS, PORTABLE | 1 | | | | | | | | | | | | | | | | | | | |
| A15 | 0.10 | ROTARY SCREW | 5 | A | B | 10,000 | 0.20 | 75 | .750 | .075 | .039 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.90 | 0.75 |
| A15 | 0.20 | SHOP TYPE | 5 | A | B | 12,000 | 0.15 | 75 | .750 | .075 | .039 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.90 | 0.65 |
| A20 | 0.00 | AIR HOSE, TOOLS & EQUIPMENT | 1 | | | | | | | | | | | | | | | | | | | |
| A20 | 0.10 | AIR DRILL HOSE | 5 | A | B | 3,500 | 0.05 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 1.50 |
| A20 | 0.20 | SANDBLAST HOSE | 5 | A | B | 3,500 | 0.05 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 1.65 |
| A20 | 0.30 | SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS | 5 | A | B | 6,000 | 0.10 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.81 | 0.65 | 0.90 | 1.50 |
| A25 | 0.00 | ASPHALT PAVING DISTRIBUTORS | 10 | A | B | 6,000 | 0.10 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .297 | 0.71 | 0.57 | 0.79 | 0.85 |
| A30 | 0.00 | ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT | 1 | | | | | | | | | | | | | | | | | | | |
| A30 | 0.10 | SELF PROPELLED | 10 | A | B | 8,000 | 0.15 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .339 | .297 | 0.83 | 0.66 | 0.92 | 1.00 |
| A30 | 0.20 | TOWED | 10 | A | B | 10,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .297 | 0.83 | 0.66 | 0.92 | 0.80 |
| A30 | 0.30 | SLURRY SEAL PAVERS (Cold mix) | 10 | A | B | 12,000 | 0.20 | 60 | .600 | .060 | .031 | 13 | .130 | .013 | .007 | .000 | .250 | .250 | 0.83 | 0.66 | 0.92 | 0.55 |
| A30 | 0.40 | MISCELLANEOUS ROAD EQUIPMENT | 10 | A | B | 10,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .297 | 0.83 | 0.66 | 0.92 | 0.80 |
| A35 | 0.00 | ASPHALT PAVING KETTLES | 10 | A | B | 6,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .297 | 0.76 | 0.60 | 0.84 | 0.80 |
| A40 | 0.00 | ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS | 10 | A | B | 6,000 | 0.20 | 95 | .950 | .095 | .050 | 0 | .000 | .000 | .000 | .000 | .339 | .297 | 0.83 | 0.66 | 0.92 | 1.00 |
| A45 | 0.00 | ASPHALT RECYCLERS & SEALERS | 10 | A | B | 5,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .297 | 0.76 | 0.60 | 0.84 | 0.90 |
| B10 | 0.00 | BATCH PLANTS, ASPHALT & CONCRETE | 1 | | | | | | | | | | | | | | | | | | | |
| B10 | 0.10 | ASPHALT | 10 | A | B | 8,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.60 | 0.60 | 0.84 | 1.00 |
| B10 | 0.20 | CONCRETE | 10 | A | B | 8,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.60 | 0.60 | 0.84 | 1.00 |
| B10 | 0.30 | PUGMILL | 10 | A | B | 10,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.60 | 0.60 | 0.84 | 1.00 |
| B15 | 0.00 | BROOMS, STREET SWEEPERS & FLUSHERS | 95 | A | B | 8,000 | 0.10 | 65 | .650 | .065 | .033 | 13 | .130 | .013 | .007 | .000 | .254 | .297 | 0.81 | 0.65 | 0.90 | 0.80 |
| B20 | 0.00 | BRUSH CHIPPERS | 95 | A | B | 8,000 | 0.10 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .297 | 0.00 | 0.00 | 0.90 | 0.90 |
| B25 | 0.00 | BUCKETS, CLAMSHELL | 15 | A | B | 8,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.70 |
| B25 | 0.00 | BUCKETS, CLAMSHELL | 15 | S | B | 6,500 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.80 |

**EK=Economic Key (Appendix E)**
**C=Operating Conditions (A=average, S=severe)**
**DC=Discount Code (B=basic 7.5%, S=special 15%)**
**RCF=Repair Cost Factor**

**LIFE=Economic Life**
**SLV=Salvage Value**
**HPF=Horsepower Factor**

**E=Electric Powered**
**G=Gas Powered**
**D=Diesel Powered**

**FT=Front Tire**
**DT=Drive Tire**
**TT=Trailing Tire**

# APPENDIX D

## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B30 | 0.00 | BUCKETS, CONCRETE | 1 | | | | | | | | | | | | | | | | | | | |
| B30 | 0.10 | GENERAL PURPOSE, MANUAL TRIP | 15 | A | B | 8,000 | 0.05 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.70 |
| B30 | 0.20 | LAYDOWN | 15 | A | B | 8,000 | 0.05 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.75 |
| B30 | 0.30 | LOWBOY | 15 | A | B | 8,000 | 0.05 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.80 |
| B30 | 0.40 | LOW SLUMP | 15 | A | B | 8,000 | 0.05 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.80 |
| B35 | 0.00 | BUCKETS, DRAGLINE | 1 | | | | | | | | | | | | | | | | | | | |
| B35 | 0.10 | LIGHT WEIGHT | 15 | A | B | 8,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.70 |
| B35 | 0.10 | LIGHT WEIGHT | 15 | S | B | 6,500 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.80 |
| B35 | 0.20 | MEDIUM WEIGHT | 15 | A | B | 9,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.70 |
| B35 | 0.20 | MEDIUM WEIGHT | 15 | S | B | 7,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.80 |
| B35 | 0.30 | HEAVY WEIGHT | 15 | A | B | 10,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.70 |
| B35 | 0.30 | HEAVY WEIGHT | 15 | S | B | 8,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.80 |
| C05 | 0.00 | CHAIN SAWS | 95 | A | B | 2,000 | 0.10 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .477 | .339 | .403 | 0.00 | 0.00 | 0.00 | 2.50 |
| C10 | 0.00 | COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER | 1 | | | | | | | | | | | | | | | | | | | |
| C10 | 0.10 | COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES | 95 | A | B | 4,000 | 0.05 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .477 | .254 | .254 | 0.00 | 0.00 | 0.85 | 1.20 |
| C10 | 0.20 | ROLLERS, VIBRATORY | 95 | A | B | 4,000 | 0.15 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .477 | .254 | .254 | 0.00 | 0.00 | 0.85 | 1.20 |
| C15 | 0.00 | CONCRETE CLEANERS / BLASTERS | 95 | A | B | 4,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .530 | .339 | .297 | 0.00 | 0.00 | 0.90 | 0.90 |
| C20 | 0.00 | CONCRETE BUGGIES | 95 | A | B | 4,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .530 | .339 | .297 | 0.81 | 0.65 | 0.90 | 0.70 |
| C25 | 0.00 | CONCRETE FINISHERS/SCREEDS/SPREADERS | 1 | | | | | | | | | | | | | | | | | | | |
| C25 | 0.10 | FINISHERS/TROWELS | 95 | A | B | 5,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .530 | .339 | .297 | 0.00 | 0.00 | 0.90 | 0.80 |
| C25 | 0.20 | VIBRATORY SCREED | 95 | A | B | 5,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .530 | .339 | .297 | 0.00 | 0.00 | 0.90 | 0.80 |
| C25 | 0.25 | VIBRATORY LASER SCREED | 95 | A | B | 8,000 | 0.30 | 65 | .000 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .450 | .400 | 0.97 | 0.78 | 0.90 | 0.60 |
| C25 | 0.30 | MATERIAL/TOPPING SPREADERS | 95 | A | B | 8,000 | 0.30 | 65 | .000 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .450 | .400 | 0.97 | 0.78 | 0.90 | 0.60 |
| C30 | 0.00 | CONCRETE GRINDERS | 95 | A | B | 5,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .530 | .339 | .297 | 0.00 | 0.00 | 0.90 | 0.90 |
| C35 | 0.00 | CONCRETE GUNITERS / SHOTCRETERS | 95 | A | B | 7,000 | 0.25 | 75 | .750 | .075 | .039 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.81 | 0.65 | 0.90 | 0.90 |
| C40 | 0.00 | CONCRETE MIXING UNITS | 95 | A | B | 5,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .530 | .339 | .297 | 0.00 | 0.00 | 0.90 | 0.80 |
| C45 | 0.00 | CONCRETE PAVING MACHINES | 10 | A | B | 6,000 | 0.20 | 75 | .750 | .075 | .039 | 0 | .000 | .000 | .000 | .000 | .339 | .297 | 0.83 | 0.66 | 0.92 | 1.00 |

**EK=Economic Key (Appendix E)**
**C=Operating Conditions (A=average, S=severe)**
**DC=Discount Code (B=basic 7.5%, S=special 15%)**
**RCF=Repair Cost Factor**

**LIFE=Economic Life**
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**HPF=Horsepower Factor**

**E=Electric Powered**
**G=Gas Powered**
**D=Diesel Powered**

**FT=Front Tire**
**DT=Drive Tire**
**TT=Trailing Tire**

# APPENDIX D
## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C55 | 0.00 | CONCRETE PUMPS | 95 | A | B | 8,000 | 0.10 | 70 | .700 | .070 | .036 | 10 | .100 | .010 | .006 | .477 | .339 | .297 | 0.81 | 0.65 | 0.90 | 1.00 |
| C60 | 0.00 | CONCRETE SAWS (Add cost for sawblade wear) | 95 | A | B | 6,000 | 0.10 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .477 | .339 | .403 | 0.00 | 0.00 | 0.90 | 1.00 |
| C65 | 0.00 | CONCRETE VIBRATORS | 5 | A | B | 4,000 | 0.10 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .403 | 0.00 | 0.00 | 0.00 | 2.50 |
| C70 | 0.00 | CRANES, GANTRY & STRADDLE | 1 | | | | | | | | | | | | | | | | | | | |
| C75 | 0.00 | CRANES, HYDRAULIC, SELF-PROPELLED | 20 | A | B | 14,000 | 0.15 | 75 | .750 | .075 | .039 | 0 | .000 | .000 | .000 | .000 | .339 | .318 | 0.89 | 0.71 | 0.90 | 0.80 |
| C80 | 0.00 | CRANES, HYDRAULIC, TRUCK MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| C80 | 0.01 | UNDER 26 TON | 20 | A | B | 14,000 | 0.15 | 65 | .650 | .065 | .033 | 10 | .100 | .010 | .006 | .000 | .403 | .382 | 0.97 | 0.78 | 0.00 | 0.60 |
| C80 | 0.01 | UNDER 26 TON | 20 | S | B | 12,000 | 0.15 | 85 | .850 | .085 | .044 | 13 | .130 | .013 | .007 | .000 | .403 | .382 | 0.86 | 0.61 | 0.00 | 0.65 |
| C80 | 0.02 | 26 TON THRU 65 TON | 20 | A | B | 16,000 | 0.15 | 65 | .650 | .065 | .033 | 10 | .100 | .010 | .006 | .000 | .318 | .276 | 0.97 | 0.78 | 0.00 | 0.70 |
| C80 | 0.02 | 26 TON THRU 65 TON | 20 | S | B | 14,000 | 0.15 | 85 | .850 | .085 | .044 | 13 | .130 | .013 | .007 | .000 | .318 | .276 | 0.86 | 0.61 | 0.00 | 0.75 |
| C80 | 0.03 | 66 TON THRU 125 TON | 20 | A | B | 18,000 | 0.15 | 65 | .650 | .065 | .033 | 10 | .100 | .010 | .006 | .000 | .318 | .276 | 0.97 | 0.78 | 0.00 | 0.80 |
| C80 | 0.03 | 66 TON THRU 125 TON | 20 | S | B | 16,000 | 0.15 | 85 | .850 | .085 | .044 | 13 | .130 | .013 | .007 | .000 | .318 | .276 | 0.86 | 0.61 | 0.00 | 0.85 |
| C80 | 0.04 | OVER 125 TON | 20 | A | B | 20,000 | 0.15 | 65 | .650 | .065 | .033 | 10 | .100 | .010 | .006 | .000 | .318 | .276 | 0.97 | 0.78 | 0.00 | 0.90 |
| C80 | 0.04 | OVER 125 TON | 20 | S | B | 18,000 | 0.15 | 85 | .850 | .085 | .044 | 13 | .130 | .013 | .007 | .000 | .318 | .276 | 0.86 | 0.61 | 0.00 | 0.95 |
| C85 | 0.00 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| C85 | 0.11 | DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY | 20 | A | B | 14,000 | 0.20 | 55 | .550 | .055 | .028 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 0.80 |
| C85 | 0.11 | DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY | 20 | S | B | 12,000 | 0.20 | 72 | .720 | .072 | .037 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 0.90 |
| C85 | 0.12 | DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY | 20 | A | B | 16,000 | 0.20 | 55 | .550 | .055 | .028 | 0 | .000 | .000 | .000 | .000 | .360 | .360 | 0.00 | 0.00 | 0.00 | 0.85 |
| C85 | 0.12 | DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY | 20 | S | B | 13,000 | 0.20 | 72 | .720 | .072 | .037 | 0 | .000 | .000 | .000 | .000 | .360 | .360 | 0.00 | 0.00 | 0.00 | 0.95 |
| C85 | 0.13 | DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY | 20 | A | B | 18,000 | 0.20 | 55 | .550 | .055 | .028 | 0 | .000 | .000 | .000 | .000 | .233 | .233 | 0.00 | 0.00 | 0.00 | 0.95 |
| C85 | 0.13 | DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY | 20 | S | B | 15,000 | 0.20 | 72 | .720 | .072 | .037 | 0 | .000 | .000 | .000 | .000 | .233 | .233 | 0.00 | 0.00 | 0.00 | 1.05 |
| C85 | 0.14 | DRAGLINE, CLAMSHELL, OVER 5.0 CY | 20 | A | B | 20,000 | 0.20 | 55 | .550 | .055 | .028 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 1.05 |
| C85 | 0.14 | DRAGLINE, CLAMSHELL, OVER 5.0 CY | 20 | S | B | 16,000 | 0.20 | 72 | .720 | .072 | .037 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 1.15 |
| C85 | 0.21 | LIFTING, 0 THRU 25 TON | 20 | A | B | 16,000 | 0.20 | 40 | .400 | .040 | .021 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 0.65 |
| C85 | 0.21 | LIFTING, 0 THRU 25 TON | 20 | S | B | 13,000 | 0.20 | 52 | .520 | .052 | .027 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 0.70 |
| C85 | 0.22 | LIFTING, 26 TON THRU 50 TON | 20 | A | B | 18,000 | 0.20 | 40 | .400 | .040 | .021 | 0 | .000 | .000 | .000 | .000 | .212 | .212 | 0.00 | 0.00 | 0.00 | 0.75 |
| C85 | 0.22 | LIFTING, 26 TON THRU 50 TON | 20 | S | B | 15,000 | 0.20 | 52 | .520 | .052 | .027 | 0 | .000 | .000 | .000 | .000 | .212 | .212 | 0.00 | 0.00 | 0.00 | 0.80 |

**EK=Economic Key (Appendix E)**
**C=Operating Conditions (A=average, S=severe)**
**DC=Discount Code (B=basic 7.5%, S=special 15%)**
**RCF=Repair Cost Factor**

**LIFE=Economic Life**
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**E=Electric Powered**
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# APPENDIX D
## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C85 | 0.23 | LIFTING, 51 TON THRU 150 TON | 20 | A | B | 20,000 | 0.15 | 40 | .400 | .040 | .021 | 0 | .000 | .000 | .000 | .000 | .233 | .233 | 0.00 | 0.00 | 0.00 | 0.85 |
| C85 | 0.23 | LIFTING, 51 TON THRU 150 TON | 20 | S | B | 16,000 | 0.15 | 52 | .520 | .052 | .027 | 0 | .000 | .000 | .000 | .000 | .233 | .233 | 0.00 | 0.00 | 0.00 | 0.90 |
| C85 | 0.24 | LIFTING, OVER 150 TON | 20 | A | B | 22,000 | 0.15 | 40 | .400 | .040 | .021 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 0.95 |
| C85 | 0.24 | LIFTING, OVER 150 TON | 20 | S | B | 18,000 | 0.15 | 52 | .520 | .052 | .027 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 1.00 |
| C90 | 0.00 | CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| C90 | 0.01 | UNDER 26 TON | 20 | A | B | 14,000 | 0.15 | 50 | .500 | .050 | .026 | 10 | .100 | .010 | .005 | .000 | .403 | .382 | 0.97 | 0.78 | 0.00 | 0.60 |
| C90 | 0.01 | UNDER 26 TON | 20 | S | B | 12,000 | 0.15 | 65 | .650 | .065 | .033 | 13 | .130 | .013 | .007 | .000 | .403 | .382 | 0.86 | 0.61 | 0.00 | 0.65 |
| C90 | 0.02 | 26 TON THRU 65 TON | 20 | A | B | 16,000 | 0.15 | 50 | .500 | .050 | .026 | 10 | .100 | .010 | .005 | .000 | .318 | .276 | 0.97 | 0.78 | 0.00 | 0.70 |
| C90 | 0.02 | 26 TON THRU 65 TON | 20 | S | B | 14,000 | 0.15 | 65 | .650 | .065 | .033 | 13 | .130 | .013 | .007 | .000 | .318 | .276 | 0.86 | 0.61 | 0.00 | 0.75 |
| C90 | 0.03 | 66 TON THRU 125 TON | 20 | A | B | 18,000 | 0.20 | 50 | .500 | .050 | .026 | 10 | .100 | .010 | .005 | .000 | .318 | .276 | 0.97 | 0.78 | 0.00 | 0.80 |
| C90 | 0.03 | 66 TON THRU 125 TON | 20 | S | B | 16,000 | 0.20 | 65 | .650 | .065 | .033 | 13 | .130 | .013 | .007 | .000 | .318 | .276 | 0.86 | 0.61 | 0.00 | 0.85 |
| C90 | 0.04 | OVER 125 TON | 20 | A | B | 20,000 | 0.20 | 50 | .500 | .050 | .026 | 10 | .100 | .010 | .005 | .000 | .318 | .276 | 0.97 | 0.78 | 0.00 | 0.90 |
| C90 | 0.04 | OVER 125 TON | 20 | S | B | 18,000 | 0.20 | 65 | .650 | .065 | .033 | 13 | .130 | .013 | .007 | .000 | .318 | .276 | 0.86 | 0.61 | 0.00 | 0.95 |
| C95 | 0.00 | CRANES, TOWER | 20 | A | B | 18,000 | 0.20 | 65 | .650 | .065 | .033 | 10 | .100 | .010 | .005 | .530 | .318 | .276 | 0.00 | 0.00 | 0.90 | 0.85 |
| D10 | 0.00 | DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE (Add cost for drill steel and bit wear) | 1 | | | | | | | | | | | | | | | | | | | |
| D10 | 0.10 | AIR TRACK (Add cost for drill steel and bit wear) | 25 | A | B | 14,000 | 0.25 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.62 | 0.44 | 0.00 | 1.00 |
| D10 | 0.20 | HYDRAULIC TRACK (Add cost for drill steel and bit wear) | 25 | A | B | 10,000 | 0.25 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.62 | 0.44 | 0.00 | 1.00 |
| D15 | 0.00 | DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear) | 25 | A | B | 10,000 | 0.25 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.62 | 0.44 | 0.00 | 0.90 |
| D20 | 0.00 | DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear) | 25 | A | B | 8,000 | 0.25 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .477 | .170 | .254 | 0.00 | 0.00 | 0.00 | 0.85 |
| D25 | 0.00 | DRILLS, CORE, SKID MOUNTED (Add cost for drill steel and bit wear) | 25 | A | B | 10,000 | 0.25 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .477 | .170 | .254 | 0.00 | 0.00 | 0.90 | 1.00 |
| D30 | 0.00 | DRILLS, EARTH / AUGER (Add cost for drill steel and cutting edge wear) | 25 | A | B | 10,000 | 0.25 | 80 | .800 | .080 | .041 | 10 | .100 | .010 | .006 | .477 | .339 | .297 | 0.67 | 0.57 | 0.80 | 1.00 |
| D35 | 0.00 | DRILLS, ROTARY BLASTHOLE (Add cost for drill steel and bit wear) | 1 | | | | | | | | | | | | | | | | | | | |

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**DC=Discount Code (B=basic 7.5%, S=special 15%)**
**RCF=Repair Cost Factor**

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# APPENDIX D
## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D35 | 0.11 | DIESEL, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear) | 25 | A | B | 14,000 | 0.20 | 80 | .800 | .080 | .041 | 10 | .100 | .010 | .006 | .005 | .403 | .403 | 0.62 | 0.44 | 0.00 | 1.00 |
| D35 | 0.12 | DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear) | 25 | A | B | 18,000 | 0.20 | 80 | .800 | .080 | .041 | 10 | .100 | .010 | .006 | .011 | .339 | .339 | 0.62 | 0.44 | 0.00 | 1.00 |
| D35 | 0.21 | ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear) | 25 | A | B | 14,000 | 0.20 | 70 | .700 | .070 | .036 | 10 | .100 | .010 | .006 | .530 | .000 | .000 | 0.62 | 0.44 | 0.00 | 0.55 |
| D35 | 0.22 | ELECTRIC, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear) | 25 | A | B | 18,000 | 0.20 | 70 | .700 | .070 | .036 | 10 | .100 | .010 | .006 | .530 | .000 | .000 | 0.62 | 0.44 | 0.00 | 0.55 |
| F10 | 0.00 | FORK LIFTS | 95 | A | B | 10,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .254 | .254 | 0.87 | 0.78 | 0.90 | 0.75 |
| G10 | 0.00 | GENERATOR SETS | 1 | | | | | | | | | | | | | | | | | | | |
| G10 | 0.10 | PORTABLE | 30 | A | B | 8,000 | 0.10 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.90 | 0.60 |
| G10 | 0.10 | PORTABLE | 30 | S | B | 7,000 | 0.10 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.90 | 0.70 |
| G10 | 0.20 | SKID MOUNTED | 30 | A | B | 10,000 | 0.10 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 0.70 |
| G10 | 0.20 | SKID MOUNTED | 30 | S | B | 8,000 | 0.10 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.90 | 0.80 |
| G15 | 0.00 | GRADERS, MOTOR | 35 | A | B | 14,500 | 0.25 | 60 | .600 | .060 | .031 | 0 | .000 | .000 | .000 | .000 | .212 | .360 | 0.89 | 0.71 | 0.00 | 0.75 |
| G15 | 0.00 | GRADERS, MOTOR | 35 | S | B | 13,500 | 0.25 | 78 | .780 | .078 | .040 | 0 | .000 | .000 | .000 | .000 | .212 | .360 | 0.71 | 0.51 | 0.00 | 0.85 |
| H10 | 0.00 | HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear) | 95 | A | B | 6,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 1.00 |
| H13 | 0.00 | HAZARDOUS/TOXIC WASTE EQUIPMENT | 1 | | | | | | | | | | | | | | | | | | | |
| H13 | 0.11 | COMPACTORS (Compression force) 0 THRU 50 TONS | 95 | A | B | 10,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .530 | .254 | .254 | 0.00 | 0.00 | 0.90 | 0.80 |
| H13 | 0.12 | COMPACTORS (Compression force) OVER 50 TONS | 95 | A | B | 12,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .530 | .254 | .254 | 0.00 | 0.00 | 0.90 | 0.90 |
| H13 | 0.21 | FILTER PRESSES, STATIONARY | 95 | A | B | 10,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .530 | .254 | .254 | 0.00 | 0.00 | 0.90 | 0.90 |
| H13 | 0.22 | FILTER PRESSES, MOBILE | 95 | A | B | 10,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .530 | .254 | .254 | 0.00 | 0.00 | 0.90 | 0.80 |
| H13 | 0.30 | CENTRIFUGES | 95 | A | B | 4,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .530 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.70 |
| H13 | 0.40 | SHREDDERS | 95 | A | B | 10,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.90 | 0.90 |
| H13 | 0.51 | SOIL TREATMENT PLANT, MOBILE | 95 | A | B | 10,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.90 | 1.00 |
| H13 | 0.61 | SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS | 95 | A | B | 10,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.90 | 1.00 |
| H13 | 0.71 | WASTE HANDLING EQUIPMENT, DRUM HANDLING | 95 | A | B | 4,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.90 | 1.00 |

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# APPENDIX D
## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H15 | 0.00 | HEATERS, SPACE | 1 | | | | | | | | | | | | | | | | | | | |
| H20 | 0.00 | HOISTS & AIR WINCHES | 95 | A | B | 9,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 0.80 |
| H25 | 0.00 | HYDRAULIC EXCAVATORS, CRAWLER MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| H25 | 0.10 | 0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS) | 65 | A | B | 8,000 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .403 | .403 | 0.00 | 0.00 | 0.00 | 0.70 |
| H25 | 0.10 | 0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS) | 65 | S | B | 7,000 | 0.25 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .403 | .403 | 0.00 | 0.00 | 0.00 | 0.80 |
| H25 | 0.11 | OVER 12,500 LBS THRU 40,000 LBS | 65 | A | B | 8,500 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .403 | .403 | 0.00 | 0.00 | 0.00 | 0.70 |
| H25 | 0.11 | OVER 12,500 LBS THRU 40,000 LBS | 65 | S | B | 7,000 | 0.25 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .403 | .403 | 0.00 | 0.00 | 0.00 | 0.85 |
| H25 | 0.12 | OVER 40,000 LBS THRU 100,000 LBS | 65 | A | B | 12,000 | 0.25 | 60 | .600 | .060 | .031 | 0 | .000 | .000 | .000 | .000 | .403 | .403 | 0.00 | 0.00 | 0.00 | 0.80 |
| H25 | 0.12 | OVER 40,000 LBS THRU 100,000 LBS | 65 | S | B | 10,000 | 0.25 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .000 | .403 | .403 | 0.00 | 0.00 | 0.00 | 0.95 |
| H25 | 0.13 | OVER 100,000 LBS THRU 160,000 LBS | 65 | A | B | 16,000 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .233 | .233 | 0.00 | 0.00 | 0.00 | 1.00 |
| H25 | 0.13 | OVER 100,000 LBS THRU 160,000 LBS | 65 | S | B | 13,500 | 0.25 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .233 | .233 | 0.00 | 0.00 | 0.00 | 1.10 |
| H25 | 0.14 | OVER 160,000 LBS | 65 | A | B | 19,000 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 1.10 |
| H25 | 0.14 | OVER 160,000 LBS | 65 | S | B | 15,000 | 0.25 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 1.25 |
| H25 | 0.21 | ATTACHMENTS, MOBILE SHEARS | 95 | A | B | 6,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 0.90 |
| H25 | 0.22 | ATTACHMENTS, MATERIAL HANDLING | 95 | A | B | 6,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 0.80 |
| H25 | 0.23 | ATTACHMENTS, CONCRETE PULVERIZERS | 95 | A | B | 6,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 1.00 |
| H25 | 0.24 | ATTACHMENTS, COMPACTORS | 95 | A | B | 6,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 1.00 |
| H30 | 0.00 | HYDRAULIC EXCAVATORS, WHEEL MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| H30 | 0.01 | 0 THRU 1.0 CY | 65 | A | B | 8,000 | 0.25 | 60 | .600 | .060 | .031 | 10 | .100 | .010 | .006 | .000 | .403 | .382 | 0.97 | 0.78 | 0.80 | 0.50 |
| H30 | 0.01 | 0 THRU 1.0 CY | 65 | S | B | 6,500 | 0.25 | 78 | .780 | .078 | .040 | 13 | .130 | .013 | .007 | .000 | .403 | .382 | 0.86 | 0.61 | 0.65 | 0.55 |
| H30 | 0.02 | OVER 1.0 CY | 65 | A | B | 10,000 | 0.25 | 60 | .600 | .060 | .031 | 10 | .100 | .010 | .006 | .000 | .403 | .382 | 0.97 | 0.78 | 0.80 | 0.60 |
| H30 | 0.02 | OVER 1.0 CY | 65 | S | B | 8,000 | 0.25 | 78 | .780 | .078 | .040 | 13 | .130 | .013 | .007 | .000 | .403 | .382 | 0.86 | 0.61 | 0.65 | 0.65 |
| H35 | 0.00 | HYDRAULIC SHOVELS, CRAWLER MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| H35 | 0.11 | DIESEL, 0 CY THRU 5.0 CY | 65 | A | B | 14,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .233 | .233 | 0.00 | 0.00 | 0.00 | 1.00 |
| H35 | 0.11 | DIESEL, 0 CY THRU 5.0 CY | 65 | S | B | 12,000 | 0.20 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .233 | .233 | 0.00 | 0.00 | 0.00 | 1.10 |
| H35 | 0.12 | DIESEL, OVER 5.0 CY | 65 | A | B | 16,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 1.20 |
| H35 | 0.12 | DIESEL, OVER 5.0 CY | 65 | S | B | 14,000 | 0.20 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 1.30 |
| H35 | 0.21 | ELECTRIC, OVER 2.5 CY | 65 | A | B | 18,000 | 0.20 | 50 | .500 | .050 | .000 | 0 | .000 | .000 | .000 | .265 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.80 |

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# APPENDIX D

## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H35 | 0.21 | ELECTRIC, OVER 2.5 CY | 65 | S | B | 16,000 | 0.20 | 65 | .650 | .065 | .000 | 0 | .000 | .000 | .000 | .265 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.90 |
| L10 | 0.00 | LAND CLEARING EQUIPMENT | 70 | A | B | 10,000 | 0.20 | 60 | .600 | .060 | .031 | 10 | .100 | .010 | .006 | .000 | .318 | .276 | 0.72 | 0.50 | 0.90 | 0.90 |
| L10 | 0.00 | LAND CLEARING EQUIPMENT | 70 | S | B | 7,000 | 0.20 | 78 | .780 | .078 | .040 | 13 | .130 | .013 | .007 | .000 | .318 | .276 | 0.57 | 0.35 | 0.71 | 1.00 |
| L15 | 0.00 | LANDSCAPING EQUIPMENT | 95 | A | B | 4,000 | 0.15 | 80 | .800 | .080 | .041 | 13 | .130 | .013 | .007 | .477 | .254 | .254 | 0.81 | 0.65 | 0.90 | 0.70 |
| L20 | 0.00 | LIGHTING SETS, TRAILER MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| L20 | 0.10 | METALLIC VAPOR | 95 | A | B | 8,000 | 0.20 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.90 | 1.50 |
| L25 | 0.00 | LINE STRIPING EQUIPMENT | 95 | A | B | 8,000 | 0.20 | 85 | .850 | .085 | .044 | 13 | .130 | .013 | .007 | .000 | .254 | .254 | 0.72 | 0.50 | 0.90 | 1.20 |
| L30 | 0.00 | LOADERS, BELT (Conveyor belts) & ACCESSORIES | 95 | A | B | 10,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .297 | .297 | 0.60 | 0.00 | 0.99 | 1.00 |
| L30 | 0.00 | LOADERS, BELT (Conveyor belts) & ACCESSORIES | 95 | S | B | 8,000 | 0.20 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .477 | .297 | .297 | 0.40 | 0.00 | 0.96 | 1.10 |
| L35 | 0.00 | LOADERS, FRONT END, CRAWLER TYPE | 40 | A | B | 10,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.00 | 1.10 |
| L35 | 0.00 | LOADERS, FRONT END, CRAWLER TYPE | 40 | S | B | 8,000 | 0.20 | 91 | .910 | .091 | .047 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.00 | 1.25 |
| L40 | 0.00 | LOADERS, FRONT END, WHEEL TYPE | 1 | | | | | | | | | | | | | | | | | | | |
| L40 | 0.11 | ARTICULATED, 0 THRU 225 HP | 45 | A | B | 9,250 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .445 | 0.70 | 0.42 | 0.00 | 0.70 |
| L40 | 0.11 | ARTICULATED, 0 THRU 225 HP | 45 | S | B | 8,750 | 0.25 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .339 | .445 | 0.41 | 0.22 | 0.00 | 0.80 |
| L40 | 0.12 | ARTICULATED, OVER 225 HP | 45 | A | B | 13,500 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .318 | 0.70 | 0.42 | 0.00 | 0.70 |
| L40 | 0.12 | ARTICULATED, OVER 225 HP | 45 | S | B | 12,000 | 0.20 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .339 | .318 | 0.41 | 0.22 | 0.00 | 0.75 |
| L40 | 0.20 | SKID STEER | 45 | A | B | 8,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .339 | .445 | 0.70 | 0.42 | 0.00 | 0.80 |
| L40 | 0.21 | SKID STEER ATTACHMENTS | 45 | A | B | 4,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 1.00 |
| L40 | 0.31 | TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP | 45 | A | B | 10,000 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .445 | 0.70 | 0.42 | 0.00 | 0.85 |
| L40 | 0.31 | TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP | 45 | S | B | 9,250 | 0.25 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .339 | .445 | 0.41 | 0.22 | 0.00 | 0.90 |
| L40 | 0.32 | TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP | 45 | A | B | 12,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .318 | 0.70 | 0.42 | 0.00 | 0.85 |
| L40 | 0.32 | TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP | 45 | S | B | 10,000 | 0.15 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .339 | .318 | 0.41 | 0.22 | 0.00 | 0.90 |
| L45 | 0.00 | LOADERS / BACKHOE, CRAWLER TYPE | 40 | A | B | 8,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.00 | 1.35 |
| L45 | 0.00 | LOADERS / BACKHOE, CRAWLER TYPE | 40 | S | B | 6,000 | 0.20 | 91 | .910 | .091 | .047 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.00 | 1.40 |
| L50 | 0.00 | LOADERS / BACKHOE, WHEEL TYPE | 45 | A | B | 10,000 | 0.25 | 50 | .500 | .050 | .026 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.72 | 0.50 | 0.00 | 0.80 |

**EK=Economic Key (Appendix E)**
**C=Operating Conditions (A=average, S=severe)**
**DC=Discount Code (B=basic 7.5%, S=special 15%)**
**RCF=Repair Cost Factor**

**LIFE=Economic Life**
**SLV=Salvage Value**
**HPF=Horsepower Factor**

**E=Electric Powered**
**G=Gas Powered**
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# APPENDIX D

## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L50 | 0.00 | LOADERS / BACKHOE, WHEEL TYPE | 45 | S | B | 6,000 | 0.25 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.57 | 0.35 | 0.00 | 0.85 |
| L55 | 0.00 | LOADER / BACKHOE, ATTACHMENTS | 95 | A | B | 6,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 1.00 |
| L60 | 0.00 | LOG SKIDDERS | 75 | A | B | 10,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .297 | 0.73 | 0.44 | 0.00 | 0.70 |
| L60 | 0.00 | LOG SKIDDERS | 75 | S | B | 8,000 | 0.15 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .254 | .297 | 0.38 | 0.21 | 0.00 | 0.80 |
| M10 | 0.00 | MARINE EQUIPMENT (NON DREDGING) | 1 | | | | | | | | | | | | | | | | | | | |
| M10 | 0.11 | AQUATIC MAINTENANCE | 105 | A | B | 10,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.83 | 0.66 | 0.92 | 0.70 |
| M10 | 0.12 | AQUATIC MAINTENANCE ATTACHMENTS | 105 | A | B | 6,000 | 0.20 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.60 | 0.00 | 0.99 | 0.60 |
| M10 | 0.21 | HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABLE | 105 | A | B | 16,000 | 0.10 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.00 | 0.70 |
| M10 | 0.22 | HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE | 105 | A | B | 16,000 | 0.10 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.00 | 0.80 |
| M10 | 0.23 | HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE | 105 | A | B | 16,000 | 0.10 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.00 | 0.80 |
| M10 | 0.24 | HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE | 105 | A | B | 8,000 | 0.10 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.00 | 0.70 |
| M10 | 0.25 | HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE | 105 | A | B | 6,000 | 0.15 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.00 | 0.70 |
| M10 | 0.26 | HYDRAULIC DREDGE / PUMP ATTACHMENTS | 105 | A | B | 6,000 | 0.15 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.00 | 0.60 |
| M10 | 0.31 | SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY | 20 | A | B | 20,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .254 | .254 | 0.00 | 0.00 | 0.00 | 1.00 |
| M10 | 0.31 | SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY | 20 | S | B | 18,000 | 0.15 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .477 | .254 | .254 | 0.00 | 0.00 | 0.00 | 1.05 |
| M10 | 0.32 | SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS | 65 | A | B | 10,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .403 | .403 | 0.00 | 0.00 | 0.00 | 1.00 |
| M10 | 0.32 | SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS | 65 | S | B | 9,000 | 0.15 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .477 | .403 | .403 | 0.00 | 0.00 | 0.00 | 1.10 |
| M10 | 0.33 | SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH | 105 | A | B | 20,000 | 0.15 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.00 | 0.90 |
| M10 | 0.41 | WORK FLOATS (NON-DREDGING) | 105 | A | B | 6,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.50 |
| M10 | 0.42 | WORK BARGES (SECTIONAL, NON-DREDGING) | 105 | A | B | 30,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.60 |
| M10 | 0.45 | FLAT-DECK OR CARGO BARGE (NON-DREDGING) | 105 | A | B | 90,000 | 0.05 | 20 | .000 | .000 | .010 | 0 | .000 | .000 | .000 | .000 | .000 | .339 | 0.00 | 0.00 | 0.00 | 0.60 |

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# APPENDIX D
## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M10 | 0.46 | DUMP SCOW (NON-DREDGING) | 105 | A | B | 90,000 | 0.05 | 20 | .000 | .000 | .010 | 0 | .000 | .000 | .000 | .000 | .000 | .339 | 0.00 | 0.00 | 0.00 | 0.70 |
| M10 | 0.47 | DRILL BARGE (NON-DREDGING) | 105 | A | B | 30,000 | 0.05 | 20 | .000 | .000 | .010 | 0 | .000 | .000 | .000 | .000 | .000 | .339 | 0.00 | 0.00 | 0.00 | 0.70 |
| M10 | 0.48 | ALL OTHER BARGES (NON-DREDGING) | 105 | A | B | 30,000 | 0.05 | 20 | .000 | .000 | .010 | 0 | .000 | .000 | .000 | .000 | .000 | .339 | 0.00 | 0.00 | 0.00 | 0.70 |
| M10 | 0.51 | BOATS & LAUNCHES, 0 THRU 250 HP | 105 | A | B | 16,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .403 | 0.00 | 0.00 | 0.00 | 0.70 |
| M10 | 0.51 | BOATS & LAUNCHES, 0 THRU 250 HP | 105 | S | B | 13,000 | 0.15 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .477 | .339 | .403 | 0.00 | 0.00 | 0.00 | 0.75 |
| M10 | 0.53 | BOATS & LAUNCHES, 251 THRU 500 HP | 105 | A | B | 18,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .403 | 0.00 | 0.00 | 0.00 | 0.80 |
| M10 | 0.53 | BOATS & LAUNCHES, 251 THRU 500 HP | 105 | S | B | 15,000 | 0.15 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .477 | .339 | .403 | 0.00 | 0.00 | 0.00 | 0.85 |
| M10 | 0.54 | TUGS, 501 THRU 1,000 HP | 105 | A | B | 40,000 | 0.15 | 60 | .600 | .060 | .031 | 50 | .500 | .050 | .026 | .477 | .339 | .403 | 0.00 | 0.00 | 0.00 | 0.90 |
| M10 | 0.55 | TUGS, 1,000 THRU 2,000 HP | 105 | A | B | 55,000 | 0.15 | 60 | .600 | .060 | .031 | 50 | .500 | .050 | .026 | .477 | .339 | .403 | 0.00 | 0.00 | 0.00 | 1.00 |
| P10 | 0.00 | PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS | 50 | A | B | 6,000 | 0.35 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .339 | 0.00 | 0.00 | 0.00 | 0.80 |
| P20 | 0.00 | PILE HAMMERS, DOUBLE ACTING | 1 | | | | | | | | | | | | | | | | | | | |
| P20 | 0.10 | DIESEL | 50 | A | B | 6,000 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 1.10 |
| P20 | 0.20 | PNUEMATIC (STEAM/AIR) | 50 | A | B | 6,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 1.10 |
| P25 | 0.00 | PILE HAMMERS, SINGLE ACTING | 1 | | | | | | | | | | | | | | | | | | | |
| P25 | 0.10 | DIESEL | 50 | A | B | 6,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 1.00 |
| P25 | 0.20 | PNUEMATIC (STEAM/AIR) | 50 | A | B | 6,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 1.00 |
| P30 | 0.00 | PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY | 50 | A | B | 6,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .339 | 0.00 | 0.00 | 0.00 | 1.00 |
| P35 | 0.00 | PIPELAYERS | 70 | A | B | 14,000 | 0.20 | 35 | .350 | .035 | .018 | 0 | .000 | .000 | .000 | .000 | .000 | .424 | 0.00 | 0.00 | 0.00 | 0.95 |
| P35 | 0.00 | PIPELAYERS | 70 | S | B | 11,500 | 0.20 | 46 | .460 | .046 | .024 | 0 | .000 | .000 | .000 | .000 | .000 | .424 | 0.00 | 0.00 | 0.00 | 1.10 |
| P40 | 0.00 | PLATFORMS & MAN-LIFTS | 20 | A | B | 8,000 | 0.10 | 50 | .500 | .050 | .026 | 50 | .500 | .050 | .026 | .477 | .339 | .297 | 0.81 | 0.65 | 0.90 | 0.80 |
| P45 | 0.00 | PUMPS, GROUT | 95 | A | B | 8,000 | 0.15 | 95 | .950 | .095 | .049 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.81 | 0.65 | 0.90 | 1.00 |
| P50 | 0.00 | PUMPS, WATER, CENTRIFUGAL, TRASH | 1 | | | | | | | | | | | | | | | | | | | |
| P50 | 0.11 | ENGINE DRIVE | 95 | A | B | 8,000 | 0.20 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.90 | 0.90 |
| P50 | 0.12 | ELECTRIC DRIVE | 95 | A | B | 8,000 | 0.20 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .477 | .000 | .000 | 0.00 | 0.00 | 0.90 | 0.50 |
| P50 | 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 95 | A | B | 8,000 | 0.20 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.90 | 0.90 |
| P50 | 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 95 | A | B | 8,000 | 0.20 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .477 | .000 | .000 | 0.00 | 0.00 | 0.90 | 0.50 |
| P50 | 0.31 | HOSES, PUMP, SUCTION & DISCHARGE | 95 | A | B | 4,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 1.50 |

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## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P55 | 0.00 | PUMPS, WATER, SUBMERSIBLE | 1 | | | | | | | | | | | | | | | | | | | |
| P55 | 0.01 | ENGINE DRIVE | 95 | A | B | 8,000 | 0.20 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.00 | 1.00 |
| P55 | 0.02 | ELECTRIC DRIVE | 95 | A | B | 8,000 | 0.15 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .477 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.60 |
| P60 | 0.00 | PUMPS, WATER, CENTRIFUGAL, DEWATERING | 1 | | | | | | | | | | | | | | | | | | | |
| P60 | 0.11 | SKID MOUNTED, ENGINE DRIVE | 95 | A | B | 8,000 | 0.20 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.00 | 0.90 |
| P60 | 0.12 | SKID MOUNTED, ELECTRIC DRIVE | 95 | A | B | 8,000 | 0.15 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .477 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.50 |
| P60 | 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 95 | A | B | 8,000 | 0.20 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.90 | 0.90 |
| P60 | 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 95 | A | B | 8,000 | 0.15 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .477 | .000 | .000 | 0.00 | 0.00 | 0.90 | 0.50 |
| P65 | 0.00 | PUMPS, WATER, DIAPHRAGM | 1 | | | | | | | | | | | | | | | | | | | |
| P65 | 0.11 | SKID MOUNTED, ENGINE DRIVE | 95 | A | B | 8,000 | 0.20 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.00 | 0.90 |
| P65 | 0.12 | SKID MOUNTED, ELECTRIC DRIVE | 95 | A | B | 8,000 | 0.15 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .477 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.50 |
| P65 | 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 95 | A | B | 8,000 | 0.20 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.90 | 0.80 |
| P65 | 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 95 | A | B | 8,000 | 0.15 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .477 | .000 | .000 | 0.00 | 0.00 | 0.90 | 0.40 |
| P70 | 0.00 | PUMPS, WATER (For core drills) | 1 | | | | | | | | | | | | | | | | | | | |
| P70 | 0.01 | ENGINE DRIVE | 95 | A | B | 8,000 | 0.25 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.00 | 0.80 |
| P70 | 0.02 | ELECTRIC DRIVE | 95 | A | B | 8,000 | 0.25 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .477 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.40 |
| R10 | 0.00 | RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear) | 70 | A | B | 8,000 | 0.20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.90 |
| R10 | 0.00 | RIPPERS & HYDRAULIC BANK SLOPERS (Add cost for point wear) | 70 | S | B | 6,500 | 0.20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 1.00 |
| R15 | 0.00 | ROLLERS, STATIC, TOWED, PNEUMATIC | 55 | A | B | 10,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.76 | 0.60 | 0.84 | 0.70 |
| R20 | 0.00 | ROLLERS, STATIC, TOWED, STEEL DRUM | 55 | A | B | 10,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.76 | 0.60 | 0.84 | 0.80 |
| R30 | 0.00 | ROLLERS, STATIC, SELF-PROPELLED | 1 | | | | | | | | | | | | | | | | | | | |
| R30 | 0.01 | PNEUMATIC | 55 | A | B | 8,000 | 0.15 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.76 | 0.60 | 0.84 | 0.70 |
| R30 | 0.02 | SMOOTH DRUM | 55 | A | B | 10,000 | 0.15 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.76 | 0.60 | 0.84 | 0.80 |
| R30 | 0.03 | TAMPING FOOT, LANDFILL & SOIL COMPACTORS | 55 | A | B | 12,000 | 0.20 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.76 | 0.60 | 0.84 | 0.80 |
| R40 | 0.00 | ROLLERS, VIBRATORY, TOWED | 55 | A | B | 8,000 | 0.20 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.76 | 0.60 | 0.84 | 0.80 |
| R45 | 0.00 | ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM | 55 | A | B | 8,000 | 0.20 | 90 | .900 | .090 | .046 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.76 | 0.60 | 0.84 | 1.10 |

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# APPENDIX D

## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R50 | 0.00 | ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM | 55 | A | B | 8,000 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.76 | 0.60 | 0.84 | 1.00 |
| R55 | 0.00 | ROOFING EQUIPMENT | 95 | A | B | 6,000 | 0.15 | 60 | .600 | .060 | .031 | 0 | .000 | .000 | .000 | .477 | .254 | .254 | 0.76 | 0.60 | 0.84 | 0.80 |
| S10 | 0.00 | SCRAPERS, ELEVATING | 1 | | | | | | | | | | | | | | | | | | | |
| S10 | 0.01 | 0 THRU 200 HP | 60 | A | B | 10,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .000 | .424 | 0.59 | 0.33 | 0.65 | 0.90 |
| S10 | 0.01 | 0 THRU 200 HP | 60 | S | B | 8,000 | 0.20 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .000 | .424 | 0.39 | 0.19 | 0.43 | 1.00 |
| S10 | 0.02 | OVER 200 HP | 60 | A | B | 13,000 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .000 | .339 | 0.59 | 0.33 | 0.65 | 0.95 |
| S10 | 0.02 | OVER 200 HP | 60 | S | B | 11,500 | 0.25 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .000 | .339 | 0.39 | 0.19 | 0.43 | 1.00 |
| S15 | 0.00 | SCRAPERS, CONVENTIONAL | 60 | A | B | 15,000 | 0.20 | 60 | .600 | .060 | .031 | 0 | .000 | .000 | .000 | .000 | .000 | .339 | 0.59 | 0.33 | 0.65 | 0.80 |
| S15 | 0.00 | SCRAPERS, CONVENTIONAL | 60 | S | B | 12,500 | 0.20 | 78 | .780 | .078 | .040 | 0 | .000 | .000 | .000 | .000 | .000 | .339 | 0.39 | 0.19 | 0.43 | 0.85 |
| S20 | 0.00 | SCRAPERS, TANDEM POWERED | 60 | A | B | 15,000 | 0.20 | 62 | .620 | .062 | .032 | 62 | .620 | .062 | .032 | .000 | .000 | .276 | 0.59 | 0.33 | 0.65 | 0.85 |
| S20 | 0.00 | SCRAPERS, TANDEM POWERED | 60 | S | B | 13,500 | 0.20 | 81 | .810 | .081 | .042 | 81 | .810 | .081 | .042 | .000 | .000 | .276 | 0.39 | 0.19 | 0.43 | 0.90 |
| S25 | 0.00 | SCRAPERS, TRACTOR DRAWN | 60 | A | B | 12,000 | 0.20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.65 | 0.00 | 0.72 | 0.70 |
| S25 | 0.00 | SCRAPERS, TRACTOR DRAWN | 60 | S | B | 10,000 | 0.20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.50 | 0.00 | 0.55 | 0.75 |
| S30 | 0.00 | SCREENING & CRUSHING PLANTS | 1 | | | | | | | | | | | | | | | | | | | |
| S30 | 0.10 | CONVEYORS | 95 | A | B | 10,000 | 0.10 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.60 | 0.60 | 0.84 | 0.70 |
| S30 | 0.10 | CONVEYORS | 95 | S | B | 8,000 | 0.10 | 78 | .780 | .078 | .040 | 0 | .000 | .000 | .000 | .577 | .407 | .356 | 0.60 | 0.60 | 0.84 | 0.85 |
| S30 | 0.20 | CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR | 95 | A | B | 25,000 | 0.10 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.60 | 0.60 | 0.84 | 1.00 |
| S30 | 0.20 | CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR | 95 | S | B | 15,000 | 0.10 | 78 | .780 | .078 | .040 | 0 | .000 | .000 | .000 | .577 | .407 | .356 | 0.60 | 0.60 | 0.84 | 1.25 |
| S30 | 0.21 | CRUSHERS - CONE | 95 | A | B | 25,000 | 0.10 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.60 | 0.60 | 0.84 | 1.20 |
| S30 | 0.21 | CRUSHERS - CONE | 95 | S | B | 15,000 | 0.10 | 78 | .780 | .078 | .040 | 0 | .000 | .000 | .000 | .577 | .407 | .356 | 0.60 | 0.60 | 0.84 | 1.60 |
| S30 | 0.22 | CRUSHERS - JAW | 95 | A | B | 25,000 | 0.10 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.60 | 0.60 | 0.84 | 0.65 |
| S30 | 0.22 | CRUSHERS - JAW | 95 | S | B | 15,000 | 0.10 | 78 | .780 | .078 | .040 | 0 | .000 | .000 | .000 | .577 | .407 | .356 | 0.60 | 0.60 | 0.84 | 0.85 |
| S30 | 0.30 | SCREENING PLANT | 95 | A | B | 10,000 | 0.10 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.60 | 0.60 | 0.84 | 0.80 |
| S30 | 0.30 | SCREENING PLANT | 95 | S | B | 8,000 | 0.10 | 78 | .780 | .078 | .040 | 0 | .000 | .000 | .000 | .577 | .407 | .356 | 0.60 | 0.60 | 0.84 | 1.00 |
| S35 | 0.00 | SNOW REMOVAL EQUIPMENT | 95 | A | B | 8,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .000 | .297 | 0.59 | 0.33 | 0.65 | 0.80 |
| S40 | 0.00 | SOIL & ROAD STABILIZERS | 60 | A | B | 10,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .000 | .297 | 0.59 | 0.33 | 0.65 | 0.85 |

**EK=Economic Key (Appendix E)**
**C=Operating Conditions (A=average, S=severe)**
**DC=Discount Code (B=basic 7.5%, S=special 15%)**
**RCF=Repair Cost Factor**

**LIFE=Economic Life**
**SLV=Salvage Value**
**HPF=Horsepower Factor**

**E=Electric Powered**
**G=Gas Powered**
**D=Diesel Powered**

**FT=Front Tire**
**DT=Drive Tire**
**TT=Trailing Tire**

# APPENDIX D
## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S40 | 0.00 | SOIL & ROAD STABILIZERS | 60 | S | B | 8,000 | 0.20 | 91 | .910 | .091 | .047 | 0 | .000 | .000 | .000 | .000 | .000 | .297 | 0.39 | 0.19 | 0.43 | 0.95 |
| S45 | 0.00 | SPLITTERS, ROCK & CONCRETE | 95 | A | B | 6,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .339 | 0.00 | 0.00 | 0.00 | 1.00 |
| T10 | 0.00 | TRACTOR BLADES & ATTACHMENTS | 70 | A | B | 10,000 | 0.20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.84 | 0.80 |
| T10 | 0.00 | TRACTOR BLADES & ATTACHMENTS | 70 | S | B | 8,000 | 0.20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.84 | 0.90 |
| T15 | 0.00 | TRACTORS, CRAWLER (DOZER) (includes blade) | 1 | | | | | | | | | | | | | | | | | | | |
| T15 | 0.01 | 0 THRU 225 HP | 70 | A | B | 10,000 | 0.30 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .000 | .382 | 0.00 | 0.00 | 0.00 | 1.10 |
| T15 | 0.01 | 0 THRU 225 HP | 70 | S | B | 8,000 | 0.30 | 91 | .910 | .091 | .047 | 0 | .000 | .000 | .000 | .000 | .000 | .382 | 0.00 | 0.00 | 0.00 | 1.25 |
| T15 | 0.02 | 226 HP THRU 425 HP | 70 | A | B | 12,500 | 0.25 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .000 | .297 | 0.00 | 0.00 | 0.00 | 1.20 |
| T15 | 0.02 | 226 HP THRU 425 HP | 70 | S | B | 10,500 | 0.25 | 91 | .910 | .091 | .047 | 0 | .000 | .000 | .000 | .000 | .000 | .297 | 0.00 | 0.00 | 0.00 | 1.25 |
| T15 | 0.03 | OVER 425 HP | 70 | A | B | 15,000 | 0.20 | 60 | .600 | .060 | .031 | 0 | .000 | .000 | .000 | .000 | .000 | .254 | 0.00 | 0.00 | 0.00 | 1.20 |
| T15 | 0.03 | OVER 425 HP | 70 | S | B | 12,500 | 0.20 | 78 | .780 | .078 | .040 | 0 | .000 | .000 | .000 | .000 | .000 | .254 | 0.00 | 0.00 | 0.00 | 1.35 |
| T20 | 0.00 | TRACTORS, WHEEL TYPE (DOZER) | 75 | A | B | 14,000 | 0.15 | 60 | .600 | .060 | .031 | 0 | .000 | .000 | .000 | .000 | .254 | .297 | 0.73 | 0.44 | 0.00 | 0.60 |
| T20 | 0.00 | TRACTORS, WHEEL TYPE (DOZER) | 75 | S | B | 13,000 | 0.15 | 78 | .780 | .078 | .040 | 0 | .000 | .000 | .000 | .000 | .254 | .297 | 0.38 | 0.21 | 0.00 | 0.65 |
| T25 | 0.00 | TRACTORS, AGRICULTURAL | 1 | | | | | | | | | | | | | | | | | | | |
| T25 | 0.10 | CRAWLER | 75 | A | B | 10,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .297 | 0.73 | 0.44 | 0.00 | 0.85 |
| T25 | 0.20 | WHEEL | 75 | A | B | 8,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .297 | 0.73 | 0.44 | 0.00 | 0.70 |
| T30 | 0.00 | TRENCHERS, CHAIN TYPE CUTTER | 80 | A | B | 8,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .297 | .297 | 0.91 | 0.68 | 0.00 | 0.90 |
| T30 | 0.00 | TRENCHERS, CHAIN TYPE CUTTER | 80 | S | B | 6,000 | 0.20 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .297 | .297 | 0.77 | 0.48 | 0.00 | 1.00 |
| T35 | 0.00 | TRENCHERS, WHEEL TYPE CUTTER | 80 | A | B | 8,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .297 | .297 | 0.91 | 0.68 | 0.00 | 0.90 |
| T35 | 0.00 | TRENCHERS, WHEEL TYPE CUTTER | 80 | S | B | 6,000 | 0.20 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .297 | .297 | 0.77 | 0.48 | 0.00 | 1.00 |
| T40 | 0.00 | TRUCK OPTIONS | 1 | | | | | | | | | | | | | | | | | | | |
| T40 | 0.10 | CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING | 95 | A | B | 8,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .339 | 0.00 | 0.00 | 0.00 | 0.80 |
| T40 | 0.20 | DUMP BODY, REAR | 95 | A | B | 8,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.70 |
| T40 | 0.20 | DUMP BODY, REAR | 95 | S | B | 6,500 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.80 |
| T40 | 0.30 | FLATBEDS, WITH SIDES | 95 | A | B | 8,000 | 0.20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.60 |
| T40 | 0.41 | HOIST, ELECTRIC DRIVE | 95 | A | B | 8,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .339 | 0.00 | 0.00 | 0.00 | 0.70 |
| T40 | 0.50 | TRANSIT MIXERS | 95 | A | B | 8,000 | 0.15 | 65 | .650 | .065 | .033 | 35 | .350 | .035 | .018 | .477 | .339 | .339 | 0.00 | 0.00 | 0.65 | 0.70 |

**EK=Economic Key (Appendix E)**
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**DC=Discount Code (B=basic 7.5%, S=special 15%)**
**RCF=Repair Cost Factor**

**LIFE=Economic Life**
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T40 | 0.60 | WATER TANKS | 95 | A | B | 8,000 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .339 | 0.00 | 0.00 | 0.00 | 0.60 |
| T40 | 0.70 | ALL OTHER OPTIONS | 95 | A | B | 8,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .339 | 0.56 | 0.40 | 0.62 | 0.70 |
| T45 | 0.00 | TRUCK TRAILERS | 1 | | | | | | | | | | | | | | | | | | | |
| T45 | 0.10 | BOTTOM DUMP | 95 | A | B | 10,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.65 | 0.70 |
| T45 | 0.10 | BOTTOM DUMP | 95 | S | B | 8,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.54 | 0.80 |
| T45 | 0.20 | END DUMP | 95 | A | B | 10,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.65 | 0.65 |
| T45 | 0.20 | END DUMP | 95 | S | B | 8,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.54 | 0.75 |
| T45 | 0.30 | PUP TRAILER | 95 | A | B | 8,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.65 | 0.60 |
| T45 | 0.41 | LOWBOY, RIGID NECK, DROP DECK | 95 | A | B | 10,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.65 | 0.50 |
| T45 | 0.50 | FLATBED TRAILER | 95 | A | B | 10,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.65 | 0.50 |
| T45 | 0.60 | MISCELLANEOUS / UTILITY | 95 | A | B | 10,000 | 0.10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.65 | 0.50 |
| T45 | 0.70 | WATER TANKER TRAILER | 95 | A | B | 10,000 | 0.25 | 65 | .000 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .297 | .254 | 0.00 | 0.00 | 0.65 | 0.60 |
| T45 | 0.80 | DECONTAMINATION FACILITY | 95 | A | B | 8,000 | 0.25 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.65 | 0.70 |
| T45 | 0.90 | TANK TRAILERS | 95 | A | B | 10,000 | 0.25 | 65 | .000 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .297 | .254 | 0.00 | 0.00 | 0.65 | 0.70 |
| T50 | 0.00 | TRUCKS, HIGHWAY (Add attachments as required) | 1 | | | | | | | | | | | | | | | | | | | |
| T50 | 0.01 | 0 THRU 10,000 GVW | 85 | A | S | 8,000 | 0.20 | 15 | .150 | .015 | .008 | 0 | .000 | .000 | .000 | .000 | .297 | .254 | 0.41 | 0.29 | 0.00 | 0.70 |
| T50 | 0.01 | 0 THRU 10,000 GVW | 85 | S | S | 6,500 | 0.20 | 20 | .200 | .020 | .010 | 0 | .000 | .000 | .000 | .000 | .297 | .254 | 0.36 | 0.22 | 0.00 | 0.75 |
| T50 | 0.02 | OVER 10,000 THRU 30,000 GVW (Chassis only - Add options) | 85 | A | S | 10,000 | 0.20 | 35 | .350 | .035 | .018 | 0 | .000 | .000 | .000 | .000 | .318 | .276 | 0.49 | 0.39 | 0.00 | 0.65 |
| T50 | 0.02 | OVER 10,000 THRU 30,000 GVW (Chassis only - Add options) | 85 | S | S | 8,000 | 0.20 | 46 | .460 | .046 | .024 | 0 | .000 | .000 | .000 | .000 | .318 | .276 | 0.42 | 0.30 | 0.00 | 0.70 |
| T50 | 0.03 | OVER 30,000 GVW (Chassis only - Add options) | 85 | A | S | 12,000 | 0.20 | 50 | .500 | .050 | .026 | 0 | .000 | .000 | .000 | .000 | .339 | .297 | 0.51 | 0.38 | 0.57 | 0.65 |
| T50 | 0.03 | OVER 30,000 GVW (Chassis only - Add options) | 85 | S | S | 10,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .297 | 0.43 | 0.29 | 0.48 | 0.75 |
| T55 | 0.00 | TRUCKS, OFF-HIGHWAY | 1 | | | | | | | | | | | | | | | | | | | |
| T55 | 0.10 | RIGID FRAME | 90 | A | B | 20,000 | 0.15 | 35 | .350 | .035 | .018 | 0 | .000 | .000 | .000 | .000 | .000 | .360 | 0.59 | 0.36 | 0.65 | 0.90 |
| T55 | 0.10 | RIGID FRAME | 90 | S | B | 18,000 | 0.15 | 45 | .450 | .045 | .023 | 0 | .000 | .000 | .000 | .000 | .000 | .360 | 0.39 | 0.21 | 0.43 | 0.95 |
| T55 | 0.20 | ARTICULATED FRAME | 90 | A | B | 13,000 | 0.15 | 50 | .500 | .050 | .026 | 0 | .000 | .000 | .000 | .000 | .000 | .200 | 0.59 | 0.36 | 0.65 | 0.80 |
| T55 | 0.20 | ARTICULATED FRAME | 90 | S | B | 12,250 | 0.15 | 60 | .600 | .060 | .031 | 0 | .000 | .000 | .000 | .000 | .000 | .200 | 0.39 | 0.21 | 0.43 | 0.85 |

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**C=Operating Conditions (A=average, S=severe)**
**DC=Discount Code (B=basic 7.5%, S=special 15%)**
**RCF=Repair Cost Factor**

**LIFE=Economic Life**
**SLV=Salvage Value**
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| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T56 | 0.00 | TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS | 1 | | | | | | | | | | | | | | | | | | | |
| T56 | 0.10 | PRIME MOVER TRACTORS | 90 | A | B | 20,000 | 0.15 | 40 | .400 | .040 | .021 | 0 | .000 | .000 | .000 | .000 | .254 | .360 | 0.59 | 0.36 | 0.65 | 0.90 |
| T56 | 0.10 | PRIME MOVER TRACTORS | 90 | S | B | 18,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .339 | 0.39 | 0.22 | 0.43 | 0.95 |
| T56 | 0.20 | WAGONS, BOTTOM DUMP | 90 | A | B | 15,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .339 | 0.59 | 0.39 | 0.65 | 0.65 |
| T56 | 0.20 | WAGONS, BOTTOM DUMP | 90 | S | B | 10,000 | 0.20 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .254 | .339 | 0.39 | 0.22 | 0.43 | 0.75 |
| T56 | 0.30 | WAGONS, REAR DUMP | 90 | A | B | 12,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .339 | 0.59 | 0.39 | 0.65 | 0.60 |
| T57 | 0.00 | TRUCKS, VACUUM | 95 | A | B | 10,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .297 | 0.81 | 0.65 | 0.90 | 0.80 |
| T60 | 0.00 | TRUCKS, WATER, OFF-HIGHWAY | 90 | A | B | 12,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .339 | 0.73 | 0.55 | 0.81 | 0.70 |
| T60 | 0.00 | TRUCKS, WATER, OFF-HIGHWAY | 90 | S | B | 10,000 | 0.20 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .254 | .339 | 0.56 | 0.40 | 0.62 | 0.80 |
| T65 | 0.00 | TUNNEL/MINING EQUIPMENT | 1 | | | | | | | | | | | | | | | | | | | |
| T65 | 0.10 | DRIFTING & TUNNELING DRILLS | 25 | A | B | 14,000 | 0.15 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .530 | .339 | .297 | 0.67 | 0.57 | 0.00 | 0.90 |
| T65 | 0.20 | TUNNEL BORING MACHINES | 95 | A | B | 18,000 | 0.15 | 70 | .700 | .000 | .000 | 0 | .000 | .000 | .000 | .530 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.70 |
| T65 | 0.20 | TUNNEL BORING MACHINES | 95 | S | B | 16,000 | 0.15 | 91 | .910 | .000 | .000 | 0 | .000 | .000 | .000 | .530 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.80 |
| T65 | 0.30 | PRODUCTION DRILLING RIGS | 25 | A | B | 12,000 | 0.15 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .530 | .339 | .297 | 0.67 | 0.57 | 0.00 | 0.90 |
| T65 | 0.40 | ROADHEADERS & CONTINUOUS MINERS | 95 | A | B | 16,000 | 0.15 | 70 | .700 | .000 | .000 | 0 | .000 | .000 | .000 | .530 | .000 | .000 | 0.00 | 0.00 | 0.00 | 0.90 |
| T65 | 0.40 | ROADHEADERS & CONTINUOUS MINERS | 95 | S | B | 14,000 | 0.15 | 91 | .910 | .000 | .000 | 0 | .000 | .000 | .000 | .530 | .000 | .000 | 0.00 | 0.00 | 0.00 | 1.00 |
| T65 | 0.50 | ROCK BOLTING EQUIPMENT | 95 | A | B | 10,000 | 0.20 | 80 | .800 | .080 | .041 | 10 | .100 | .010 | .006 | .530 | .339 | .297 | 0.67 | 0.57 | 0.00 | 0.80 |
| T65 | 0.61 | LOADING & HAULING EQUIPMENT, DIESEL OR GAS | 95 | A | B | 12,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .339 | .318 | 0.70 | 0.42 | 0.00 | 0.75 |
| T65 | 0.62 | LOADING & HAULING EQUIPMENT, ELECTRIC | 95 | A | B | 14,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .477 | .254 | .254 | 0.70 | 0.42 | 0.00 | 0.70 |
| T65 | 0.63 | LOADING & HAULING EQUIPMENT, AIR-POWERED | 95 | A | B | 10,000 | 0.25 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.70 | 0.42 | 0.00 | 0.65 |
| T65 | 0.70 | LOCOMOTIVES | 95 | A | B | 12,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .477 | .339 | .297 | 0.00 | 0.00 | 0.00 | 0.75 |
| T65 | 0.90 | OTHER TUNNELING EQUIPMENT | 95 | A | B | 10,000 | 0.20 | 70 | .700 | .070 | .036 | 13 | .130 | .013 | .007 | .477 | .339 | .318 | 0.70 | 0.42 | 0.00 | 0.80 |
| W10 | 0.00 | WAGONS, BOTTOM DUMP | 90 | A | B | 12,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .339 | 0.59 | 0.39 | 0.65 | 0.65 |
| W10 | 0.00 | WAGONS, BOTTOM DUMP | 90 | S | B | 10,000 | 0.15 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .254 | .339 | 0.39 | 0.22 | 0.43 | 0.75 |
| W15 | 0.00 | WAGONS, REAR DUMP | 90 | A | B | 12,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .339 | 0.59 | 0.39 | 0.65 | 0.60 |
| W15 | 0.00 | WAGONS, REAR DUMP | 90 | S | B | 10,000 | 0.15 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .254 | .339 | 0.39 | 0.22 | 0.43 | 0.70 |
| W25 | 0.00 | WATER & CO2 BLASTERS | 1 | | | | | | | | | | | | | | | | | | | |

**EK=Economic Key (Appendix E)**
**C=Operating Conditions (A=average, S=severe)**
**DC=Discount Code (B=basic 7.5%, S=special 15%)**
**RCF=Repair Cost Factor**

**LIFE=Economic Life**
**SLV=Salvage Value**
**HPF=Horsepower Factor**

**E=Electric Powered**
**G=Gas Powered**
**D=Diesel Powered**

**FT=Front Tire**
**DT=Drive Tire**
**TT=Trailing Tire**

# APPENDIX D

## EQUIPMENT HOURLY CALCULATION FACTORS

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | HPF | EQUIPMENT FUEL FACTORS E | G | D | HPF | CARRIER FUEL FACTORS E | G | D | FOG FACTORS E | G | D | TIRE WEAR FACTORS FT | DT | TT | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W25 | 0.10 | LOW PRESSURE, (< 5,000 PSI) | 95 | A | B | 4,000 | 0.20 | 95 | .950 | .095 | .049 | 0 | .000 | .000 | .000 | .424 | .254 | .297 | 0.77 | 0.73 | 0.90 | 1.10 |
| W25 | 0.20 | HIGH PRESSURE, (>= 5,000 PSI) | 95 | A | B | 4,000 | 0.20 | 95 | .950 | .095 | .049 | 0 | .000 | .000 | .000 | .424 | .254 | .297 | 0.77 | 0.73 | 0.90 | 1.20 |
| W25 | 0.30 | STEAM CLEANERS | 95 | A | B | 4,000 | 0.20 | 95 | .950 | .095 | .049 | 0 | .000 | .000 | .000 | .424 | .254 | .297 | 0.77 | 0.73 | 0.90 | 1.10 |
| W25 | 0.40 | CO2 BLASTERS | 95 | A | B | 6,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .530 | .318 | .371 | 0.77 | 0.73 | 0.90 | 1.00 |
| W25 | 0.50 | WET ABRASIVE BLASTING SYSTEM (TORBO) | 95 | A | B | 10,000 | 0.35 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .000 | .000 | .000 | 0.00 | 0.00 | 0.90 | 0.40 |
| W30 | 0.00 | WATER TANKS | 1 | | | | | | | | | | | | | | | | | | | |
| W30 | 0.10 | PORTABLE WITH WHEELS | 90 | A | B | 12,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .297 | 0.77 | 0.73 | 0.90 | 0.60 |
| W30 | 0.20 | SKID MOUNTED | 90 | A | B | 12,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .297 | 0.00 | 0.00 | 0.90 | 0.50 |
| W35 | 0.00 | WELDERS | 1 | | | | | | | | | | | | | | | | | | | |
| W35 | 0.10 | ENGINE DRIVEN | 95 | A | B | 8,000 | 0.25 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.90 | 0.75 |
| W35 | 0.20 | ELECTRIC DRIVEN | 95 | A | B | 6,000 | 0.20 | 30 | .300 | .030 | .016 | 0 | .000 | .000 | .000 | .424 | .000 | .000 | 0.00 | 0.00 | 0.90 | 0.50 |

**EK=Economic Key (Appendix E)**
**C=Operating Conditions (A=average, S=severe)**
**DC=Discount Code (B=basic 7.5%, S=special 15%)**
**RCF=Repair Cost Factor**

**LIFE=Economic Life**
**SLV=Salvage Value**
**HPF=Horsepower Factor**

**E=Electric Powered**
**G=Gas Powered**
**D=Diesel Powered**

**FT=Front Tire**
**DT=Drive Tire**
**TT=Trailing Tire**

# APPENDIX E ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

# APPENDIX E
## ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

| KEY | | Note: Table 2-1 Equipment Rates are based on equipment purchased new in the year 2000 | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | {--Projected---------} | | | | | | | | | | | | | | | | | | |
| (EK) | EQUIPMENT DIVISIONS | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 |
| 5 | Air Equipment | 2183 | 2138 | 2093 | 2068 | 2079 | 2047 | 2078 | 2074 | 2070 | 2063 | 2053 | 2012 | 2022 | 2008 | 1963 | 1956 | 1888 | 1801 | 1730 |
| 10 | Asphalt & Concrete Paving Equipment | 4046 | 3962 | 3877 | 3769 | 3766 | 3717 | 3638 | 3589 | 3490 | 3390 | 3323 | 3248 | 3189 | 3092 | 3106 | 2967 | 2867 | 2793 | 2730 |
| 15 | Buckets | 7764 | 7602 | 7445 | 7254 | 6804 | 6900 | 6982 | 6930 | 6888 | 6774 | 6672 | 6638 | 6663 | 6380 | 5901 | 5640 | 5314 | 4872 | 4767 |
| 20 | Cranes, Draglines & Clamshells - Crawler & Truck Mtd | 5975 | 5851 | 5729 | 5582 | 5236 | 5310 | 5289 | 5225 | 5116 | 5013 | 4880 | 4783 | 4736 | 4540 | 4298 | 4152 | 3967 | 3688 | 3595 |
| 25 | Drills | 4348 | 4258 | 4169 | 4116 | 3819 | 3736 | 3683 | 3626 | 3574 | 3518 | 3394 | 3320 | 3268 | 3196 | 3163 | 3069 | 2969 | 2807 | 2792 |
| 30 | Generators | 4810 | 4711 | 4612 | 4550 | 4548 | 4529 | 4520 | 4517 | 4484 | 4511 | 4457 | 4343 | 4294 | 4234 | 4181 | 4116 | 3998 | 3773 | 3575 |
| 35 | Graders, Motor | 6436 | 6303 | 6169 | 6048 | 5979 | 5952 | 5853 | 5682 | 5544 | 5466 | 5186 | 5088 | 4946 | 4655 | 4509 | 4359 | 4219 | 4010 | 3914 |
| 40 | Loaders, Track | 6488 | 6353 | 6220 | 6082 | 6058 | 6032 | 5960 | 5792 | 5686 | 5606 | 5434 | 5257 | 5068 | 4816 | 4677 | 4555 | 4404 | 4163 | 3918 |
| 45 | Loaders, Wheel | 5988 | 5863 | 5740 | 5613 | 5591 | 5567 | 5511 | 5409 | 5303 | 5251 | 5101 | 4988 | 4894 | 4758 | 4640 | 4532 | 4409 | 4235 | 4099 |
| 50 | Pile Driving Equipment | 5535 | 5420 | 5306 | 5195 | 5127 | 5112 | 5062 | 4993 | 4892 | 4809 | 4700 | 4598 | 4539 | 4427 | 4305 | 4182 | 4029 | 3845 | 3745 |
| 55 | Rollers | 5631 | 5514 | 5395 | 5287 | 5225 | 5130 | 5204 | 5092 | 5001 | 4950 | 4851 | 4719 | 4484 | 4460 | 4668 | 4630 | 4507 | 4412 | 4217 |
| 60 | Scrapers & Soil Stabilizers | 6436 | 6303 | 6169 | 6048 | 5979 | 5952 | 5853 | 5682 | 5544 | 5466 | 5186 | 5088 | 4946 | 4655 | 4509 | 4359 | 4219 | 4010 | 3914 |
| 65 | Shovels, Backhoes & Hydraulic Excavators | 5975 | 5851 | 5729 | 5582 | 5236 | 5310 | 5289 | 5225 | 5116 | 5013 | 4880 | 4783 | 4736 | 4540 | 4298 | 4152 | 3967 | 3688 | 3595 |
| 70 | Tractors, Crawlers & Attachments | 6488 | 6353 | 6220 | 6082 | 6058 | 6032 | 5960 | 5792 | 5686 | 5606 | 5434 | 5257 | 5068 | 4816 | 4677 | 4555 | 4404 | 4163 | 3918 |
| 75 | Tractor, Wheel | 5385 | 5273 | 5159 | 5056 | 4997 | 4906 | 4833 | 4695 | 4624 | 4540 | 4527 | 4484 | 4342 | 4270 | 4186 | 4123 | 4018 | 3936 | 3862 |
| 80 | Trenchers | 6951 | 6806 | 6659 | 6525 | 6450 | 6332 | 6223 | 6042 | 5833 | 5749 | 5670 | 5509 | 5207 | 5015 | 4948 | 4886 | 4753 | 4679 | 4600 |
| 85 | Trucks, Highway | 4610 | 4514 | 4420 | 4309 | 4216 | 4212 | 4307 | 4216 | 4241 | 4318 | 4293 | 4190 | 4025 | 3838 | 3669 | 3546 | 3495 | 3363 | 3299 |
| 90 | Trucks & Wagons - Off-Highway | 6403 | 6271 | 6138 | 6027 | 5931 | 5828 | 5715 | 5651 | 5581 | 5440 | 5265 | 4979 | 4837 | 4797 | 4739 | 4617 | 4405 | 4094 | 3915 |
| 95 | All Other Equipment | 5535 | 5420 | 5306 | 5195 | 5127 | 5112 | 5062 | 4993 | 4892 | 4809 | 4700 | 4598 | 4539 | 4427 | 4305 | 4182 | 4029 | 3845 | 3745 |
| 100 | All Tires & Tubes | 2626 | 2571 | 2515 | 2430 | 2401 | 2373 | 2371 | 2400 | 2431 | 2475 | 2559 | 2517 | 2525 | 2524 | 2506 | 2470 | 2480 | 2399 | 2322 |
| 105 | Marine Equipment | 6292 | 6161 | 6022 | 5840 | 5771 | 5645 | 5556 | 5513 | 5429 | 5245 | 5036 | 4951 | 4881 | 4679 | 4438 | 4271 | 4091 | 3920 | 3886 |

**EK = Economic Key**

# APPENDIX E
## ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

| KEY | | Note: Table 2-1 Equipment Rates are based on equipment purchased new in the year 2000 | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *(EK)* | EQUIPMENT DIVISIONS | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 | 1977 | 1976 | 1975 | 1974 | 1973 | 1972 | 1971 | 1970 | 1969 |
| 5 | Air Equipment | 1720 | 1733 | 1683 | 1695 | 1668 | 1563 | 1630 | 1521 | 1354 | 1295 | 1186 | 1165 | 1028 | 935 | 920 | 929 | 936 | 918 |
| 10 | Asphalt & Concrete Paving Equipment | 2687 | 2687 | 2611 | 2583 | 2620 | 2461 | 2296 | 2111 | 1941 | 1815 | 1686 | 1610 | 1451 | 1304 | 1263 | 1235 | 1163 | 1091 |
| 15 | Buckets | 4713 | 4640 | 4527 | 4471 | 4541 | 4313 | 3879 | 3280 | 2963 | 2738 | 2520 | 2175 | 1838 | 1430 | 1370 | 1316 | 1188 | 1062 |
| 20 | Cranes, Draglines & Clamshells - Crawler & Truck Mtd | 3485 | 3395 | 3339 | 3282 | 3213 | 3009 | 2782 | 2512 | 2301 | 2138 | 2010 | 1843 | 1522 | 1305 | 1260 | 1212 | 1147 | 1090 |
| 25 | Drills | 2786 | 2832 | 2803 | 2836 | 2810 | 2602 | 2265 | 1993 | 1858 | 1699 | 1638 | 1559 | 1373 | 1249 | 1184 | 1160 | 1115 | 1052 |
| 30 | Generators | 3514 | 3510 | 3400 | 3314 | 3236 | 3160 | 2817 | 2390 | 2301 | 2128 | 2053 | 1839 | 1456 | 1316 | 1293 | 1243 | 1188 | 1089 |
| 35 | Graders, Motor | 3759 | 3738 | 3645 | 3643 | 3561 | 3276 | 2992 | 2687 | 2492 | 2259 | 2109 | 1956 | 1604 | 1361 | 1244 | 1208 | 1152 | 1101 |
| 40 | Loaders, Track | 3770 | 3767 | 3791 | 3792 | 3655 | 3349 | 3061 | 2750 | 2482 | 2247 | 2053 | 1916 | 1573 | 1329 | 1219 | 1184 | 1135 | 1100 |
| 45 | Loaders, Wheel | 3991 | 3973 | 3944 | 3873 | 3788 | 3441 | 2938 | 2606 | 2375 | 2156 | 2002 | 1907 | 1584 | 1362 | 1317 | 1261 | 1197 | 1144 |
| 50 | Pile Driving Equipment | 3668 | 3626 | 3570 | 3519 | 3439 | 3208 | 2894 | 2562 | 2329 | 2135 | 1989 | 1852 | 1523 | 1307 | 1257 | 1218 | 1159 | 1104 |
| 55 | Rollers | 4151 | 4090 | 3926 | 3744 | 3431 | 3199 | 2913 | 2653 | 2396 | 2139 | 1983 | 1872 | 1556 | 1328 | 1279 | 1230 | 1178 | 1082 |
| 60 | Scrapers & Soil Stabilizers | 3759 | 3738 | 3645 | 3643 | 3561 | 3276 | 2992 | 2687 | 2492 | 2259 | 2109 | 1956 | 1604 | 1361 | 1244 | 1208 | 1152 | 1101 |
| 65 | Shovels, Backhoes & Hydraulic Excavators | 3485 | 3395 | 3339 | 3282 | 3213 | 3009 | 2782 | 2512 | 2301 | 2138 | 2010 | 1843 | 1522 | 1305 | 1260 | 1212 | 1147 | 1090 |
| 70 | Tractors, Crawlers & Attachments | 3770 | 3767 | 3791 | 3792 | 3655 | 3349 | 3061 | 2750 | 2482 | 2247 | 2053 | 1916 | 1573 | 1329 | 1219 | 1184 | 1135 | 1100 |
| 75 | Tractor, Wheel | 3820 | 3818 | 3656 | 3557 | 3530 | 3256 | 2927 | 2578 | 2319 | 2125 | 1956 | 1843 | 1498 | 1288 | 1251 | 1211 | 1152 | 1109 |
| 80 | Trenchers | 4586 | 4488 | 4431 | 4360 | 4097 | 3618 | 3153 | 2772 | 2580 | 2300 | 1894 | 1633 | 1527 | 1384 | 1316 | 1284 | 1207 | 1113 |
| 85 | Trucks, Highway | 3282 | 3139 | 3055 | 2934 | 2824 | 2638 | 2324 | 2108 | 1934 | 1775 | 1646 | 1524 | 1369 | 1230 | 1211 | 1185 | 1114 | 1062 |
| 90 | Trucks & Wagons - Off-Highway | 3840 | 3822 | 3786 | 3744 | 3662 | 3363 | 2964 | 2588 | 2364 | 2196 | 2081 | 1965 | 1568 | 1315 | 1293 | 1245 | 1190 | 1135 |
| 95 | All Other Equipment | 3668 | 3626 | 3570 | 3519 | 3439 | 3208 | 2894 | 2562 | 2329 | 2135 | 1989 | 1852 | 1523 | 1307 | 1257 | 1218 | 1159 | 1104 |
| 100 | All Tires & Tubes | 2340 | 2374 | 2421 | 2453 | 2552 | 2506 | 2369 | 2055 | 1792 | 1699 | 1615 | 1485 | 1334 | 1114 | NA | NA | NA | NA |
| 105 | Marine Equipment | 3863 | 3749 | 3633 | 3497 | 3391 | 3239 | 2922 | 2587 | 2352 | 2156 | 2008 | 1870 | 1538 | 1320 | 1269 | 1230 | 1170 | 1115 |

**EK = Economic Key**

# APPENDIX F TIRE DESCRIPTION AND TIRE COST

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| **LT TRUCK/RECREATIONAL VEHICLE, RADIAL** | | | | | | |
| **WORKHORSE RADIAL** | | | *(Life = 5000 hrs )* | | | |
| (ABAA4) | | 8.00R16.5LT | 8.00 x 16.50 | 8 | TL | $135 |
| (ABAA1) | | LT235/75R15 | 9.25 x 15.00 | 6 | TL | $120 |
| (ABAA3) | | LT265/75R16 | 10.40 x 16.00 | 8 | TL | $163 |
| (ABAA2) | | 31-10.50R15LT | 10.50 x 15.00 | 6 | TL | $148 |
| **SERVICE TRAILER - MARATHON RADIAL** | | | *(Life = 5000 hrs )* | | | |
| (ABBF1) | | ST175/80R13 | 7.00 x 13.00 | 4 | TL | $70 |
| (ABBF3) | | ST185/80R13 | 7.30 x 13.00 | 6 | TL | $81 |
| (ABBF8) | | ST205/75R15 | 8.00 x 15.00 | 6 | TL | $107 |
| (ABBF5) | | ST205/75R14 | 8.10 x 14.00 | 6 | TL | $98 |
| (ABBF6) | | ST215/75R14 | 8.40 x 14.00 | 6 | TL | $103 |
| (ABBF9) | | ST225/75R15 | 8.80 x 15.00 | 6 | TL | $118 |
| (ABBF10) | | ST225/75R15 | 8.80 x 15.00 | 8 | TL | $128 |
| **LT TRUCK/RECREATIONAL VEHICLE, BIAS** | | | | | | |
| **WORKHORSE RIB** | | | *(Life = 5000 hrs )* | | | |
| (ACBA1) | | 700-15LT | 8.00 x 15.00 | 6 | TL | $104 |
| (ACBA2) | | 700-15LT | 8.00 x 15.00 | 8 | TL | $110 |
| (ACBA5) | | 800-16.5LT | 8.00 x 16.50 | 8 | TL | $114 |
| (ACBA7) | | 875-16.5LT | 8.80 x 16.50 | 10 | TL | $131 |
| (ACBA4) | | 750-16LT | 8.90 x 16.00 | 10 | TL | $129 |
| (ACBA9) | | 950-16.5LT | 9.60 x 16.50 | 10 | TL | $145 |
| **TRACTION HI-MILER** | | | *(Life = 5000 hrs )* | | | |
| (ACBC1) | | 6.70-15LT | 7.50 x 15.00 | 6 | TL | $103 |
| (ACBC3) | | 8-14.5LT | 8.00 x 14.50 | 12 | TL | $213 |
| (ACBC4) | | 9-14.5LT | 9.70 x 14.50 | 12 | TL | $239 |
| **CUSTOM HI-MILER** | | | *(Life = 5000 hrs )* | | | |
| (ACBD2) | | 14-17.5 | 14.30 x 17.50 | 10 | TL | $775 |
| (ACBD1) | | 12-16.5LT | 14.60 x 16.50 | 12 | TL | $410 |
| **OVER-THE-ROAD TRUCK, COMMERCIAL, RADIAL** | | | | | | |
| **COMMERICAL RADIAL LT TRUCK** | | | *(Life = 5000 hrs )* | | | |
| (ADCA2) | | LT225/75R16 | 7.50 x 16.00 | 10 | TL | $176 |
| (ADCA14) | | 8R17.5 | 8.00 x 17.50 | 10 | TL | $203 |
| (ADCA17) | | 8R19.5 | 8.00 x 19.50 | 10 | TL | $306 |
| (ADCA18) | | 8R195 | 8.00 x 19.50 | 12 | TL | $212 |
| (ADCA4) | | LT215/85R16 | 8.50 x 16.00 | 10 | TL | $196 |
| (ADCA3) | | LT215/85R16 | 8.50 x 16.00 | 8 | TL | $179 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (ADCA1) | | 750R16LT | 8.70 x 16.00 | 8 | TL | $188 |
| (ADCA13) | | 875R16.5 | 8.75 x 16.50 | 10 | TL | $186 |
| (ADCA6) | | LT225/75R16 | 8.80 x 16.00 | 10 | TL | $203 |
| (ADCA19) | | 225/70R195 | 8.85 x 19.50 | 12 | TL | $251 |
| (ADCA8) | | LT235/85R16 | 9.25 x 16.00 | 10 | TL | $195 |
| (ADCA15) | | 950R16.5LT | 9.50 x 16.50 | 8 | TL | $156 |
| (ADCA21) | | 245/70R195 | 9.65 x 19.50 | 14 | TL | $282 |
| (ADCA11) | | LT245/75R16 | 9.80 x 16.00 | 10 | TL | $204 |
| **COMMERCIAL RADIAL TRUCK TL** | | | ***(Life = 5000 hrs )*** | | | |
| (ADCB1) | | 8.5R17.5 | 8.50 x 17.50 | 12 | TL | $210 |
| (ADCB2) | | 9R17.5 | 9.00 x 17.50 | 16 | TL | $232 |
| (ADCB5) | | 9R22.5 | 9.00 x 22.50 | 12 | TL | $269 |
| (ADCB3) | | 10R17.5 | 10.00 x 17.50 | 16 | TL | $236 |
| (ADCB7) | | 10R22.5 | 10.00 x 22.50 | 14 | TL | $349 |
| (ADCB4) | | 11R17.5 | 11.00 x 17.50 | 16 | TL | $318 |
| (ADCB8) | | 11R22.5 | 11.00 x 22.50 | 14 | TL | $444 |
| (ADCB9) | | 11R22.5 | 11.00 x 22.50 | 16 | TL | $448 |
| (ADCB13) | | 11R24.5 | 11.00 x 24.50 | 16 | TL | $481 |
| (ADCB10) | | 12R22.5 | 12.00 x 22.50 | 16 | TL | $551 |
| (ADCB14) | | 12R24.5 | 12.00 x 24.50 | 16 | TL | $567 |
| **LOW PROFILE RADIAL TRUCK TL** | | | ***(Life = 5000 hrs )*** | | | |
| (ADCC1) | | 215/75R17.5 | 8.40 x 17.50 | 16 | TL | $222 |
| (ADCC5) | | 245/75R22.5 | 9.60 x 22.50 | 14 | TL | $261 |
| (ADCC3) | | 255/70R22.5 | 10.00 x 22.50 | 16 | TL | $315 |
| (ADCC2) | | 265/70R19.5 | 10.40 x 19.50 | 14 | TL | $273 |
| (ADCC6) | | 265/75R22.5 | 10.40 x 22.50 | 14 | TL | $319 |
| (ADCC4) | | 275/70R22.5 | 10.80 x 22.50 | 16 | TL | $362 |
| (ADCC12) | | 285/75R24.5 | 11.20 x 24.50 | 14 | TL | $460 |
| (ADCC8) | | 295/75R22.5 | 11.60 x 22.50 | 16 | TL | $427 |
| (ADCC10) | | 315/80R22.5 | 12.40 x 22.50 | 18 | TL | $526 |
| **SUPER SINGLE COMMERCIAL RADIAL TRUCK** | | | ***(Life = 5000 hrs )*** | | | |
| (ADCD1) | | 385/65R22.5 | 15.10 x 22.50 | 18 | TL | $625 |
| (ADCD2) | | 425/65R22.5 | 16.70 x 22.50 | 20 | TL | $707 |
| (ADCD3) | | 445/65R22.5 | 17.50 x 22.50 | 20 | TL | $799 |
| **COMMERCIAL RADIAL TRUCK TT** | | | ***(Life = 5000 hrs )*** | | | |
| (ADCE1) | | 825R15 | 8.25 x 15.00 | 14 | TT | $249 |
| (ADCE5) | REP | 825R20 | 8.25 x 20.00 | 12 | TT | $222 |
| (ADCE6) | | 900R20 | 9.00 x 20.00 | 12 | TT | $309 |
| (ADCE3) | | 1000R15 | 10.00 x 15.00 | 14 | TT | $321 |
| (ADCE7) | | 1000R20 | 10.00 x 20.00 | 14 | TT | $350 |
| (ADCE13) | | 1000R20 | 10.00 x 22.00 | 14 | TT | $351 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (ADCE12) | | 365/80R20 | 10.40 x 20.00 | 18 | TT | $547 |
| (ADCE9) | | 1100R20 | 11.00 x 20.00 | 16 | TT | $422 |
| (ADCE10) | | 1100R20 | 11.00 x 20.00 | 16 | TT | $493 |
| (ADCE14) | | 1100R22 | 11.00 x 22.00 | 16 | TT | $509 |
| (ADCE15) | | 1100R24 | 11.00 x 24.00 | 16 | TT | $493 |
| (ADCE11) | | 1200R20 | 12.00 x 20.00 | 18 | TT | $523 |
| (ADCE17) | | 1200R24 | 12.00 x 24.00 | 18 | TT | $543 |
| (ADCE16) | | 1400R20 | 14.00 x 20.00 | 20 | TT | $806 |
| **OVER-THE-ROAD TRUCK, COMMERCIAL, BIAS** | | | | | | |
| **COMMERCIAL BIAS PLY TRUCK TL** | | | *(Life = 5000 hrs )* | | | |
| (AEDA1) | REP | 10-22.5 | 10.00 x 22.50 | 10 | TL | $198 |
| (AEDA2) | REP | 11-22.5 | 11.00 x 22.50 | 12 | TL | $282 |
| (AEDA3) | REP | 11-24.5 | 11.00 x 24.50 | 12 | TL | $260 |
| **COMMERCIAL BIAS PLY TRUCK TT** | | | *(Life = 5000 hrs )* | | | |
| (AEDB1) | REP | 7.50-20 | 7.50 x 20.00 | 10 | TT | $125 |
| (AEDB2) | REP | 8.25-20 | 8.25 x 20.00 | 10 | TT | $150 |
| (AEDB3) | REP | 9.00-20 | 9.00 x 20.00 | 10 | TT | $181 |
| (AEDB4) | REP | 9.00-20 | 9.00 x 20.00 | 12 | TT | $201 |
| (AEDB5) | REP | 10.00-20 | 10.00 x 20.00 | 12 | TT | $240 |
| (AEDB7) | REP | 11.00-20 | 11.00 x 20.00 | 14 | TT | $323 |
| (AEDB8) | REP | 12.00-20 | 12.00 x 20.00 | 14 | TT | $433 |
| (AEDB9) | REP | 14.00-24 | 14.00 x 24.00 | 20 | TT | $816 |
| **FARM, FRONT** | | | | | | |
| **ALL SERVICE NON DIRECTIONAL** | | | *(Life = 5000 hrs )* | | | |
| (AFEA1) | NDCC-M | 40-19-195 | 19.00 x 19.50 | 14 | TL | $955 |
| **AM IMPLEMENT** | | | *(Life = 5000 hrs )* | | | |
| (AFEB3) | I-1 | 100/80-12 | 3.90 x 12.00 | 8 | TL | $246 |
| (AFEB2) | I-1 | 125/80-18 | 4.90 x 18.00 | 10 | TL | $415 |
| **DRILL RIB** | | | *(Life = 5000 hrs )* | | | |
| (AFEC1) | I-1 | 750-20 | 7.50 x 20.00 | 4 | TL | $206 |
| **DYNA RIB F-2-M** | | | *(Life = 5000 hrs )* | | | |
| (AFED2) | F-2M | 1000-16 | 10.00 x 16.00 | 8 | TL | $145 |
| (AFED1) | F-2M | 11L-15 | 11.00 x 15.00 | 6 | TL | $165 |
| (AFED4) | F-2M | 1100-16 | 11.00 x 16.00 | 12 | TL | $291 |
| (AFED8) | F-2M | 1100-24 | 11.00 x 24.00 | 12 | TL | $522 |
| (AFED6) | F-2M | 14L-161 | 14.00 x 16.10 | 10 | TL | $402 |
| (AFED7) | F-2M | 165L-161 | 16.50 x 16.10 | 8 | TL | $477 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| **SINGLE RIB FRONT TRACTOR F-1** | | | *(Life = 5000 hrs )* | | | |
| (AFEE1) | F-1 | 600-16 | 6.00 x 16.00 | 4 | TT | $91 |
| (AFEE2) | F-2 | 750-16 | 7.50 x 16.00 | 6 | TL | $91 |
| **FARM HIGHWAY SERVICE** | | | *(Life = 5000 hrs )* | | | |
| (AFEF2) | I-1 | 95L-15FI | 9.50 x 15.00 | 8 | TL | $109 |
| (AFEF5) | I-1 | 11L-15FI | 11.00 x 15.00 | 12 | TL | $158 |
| (AFEF7) | I-1 | 125L-15FI | 12.50 x 15.00 | 12 | TL | $204 |
| **FARM UTILITY** | | | *(Life = 5000 hrs )* | | | |
| (AFEG7) | I-1 | 750-14 | 7.50 x 14.00 | 4 | TL | $77 |
| (AFEG14) | I-1 | 760-15 | 7.60 x 15.00 | 8 | TL | $78 |
| (AFEG8) | I-1 | 85L-14 | 8.50 x 14.00 | 6 | TL | $79 |
| (AFEG1) | I-1 | 95L-14 | 9.50 x 14.00 | 8 | TT | $78 |
| (AFEG17) | I-1 | 95L-15 | 9.50 x 15.00 | 12 | TL | $119 |
| (AFEG18) | I-1 | 1000-15 | 10.00 x 15.00 | 8 | TL | $131 |
| (AFEG11) | I-1 | 11L-14 | 11.00 x 14.00 | 8 | TL | $101 |
| (AFEG22) | I-1 | 11L-15 | 11.00 x 15.00 | 12 | TL | $126 |
| (AFEG20) | I-1 | 11L-15 | 11.00 x 15.00 | 8 | TL | $87 |
| (AFEG34) | I-1 | 11L-16 | 11.00 x 16.00 | 10 | TL | $145 |
| (AFEG25) | I-1 | 125L-15 | 12.50 x 15.00 | 12 | TL | $173 |
| (AFEG30) | I-1 | 125L-16 | 12.50 x 16.00 | 12 | TL | $184 |
| (AFEG29) | I-1 | 125L-16 | 12.50 x 16.00 | 8 | TL | $146 |
| (AFEG28) | I-1 | 14L-161 | 14.00 x 16.10 | 8 | TL | $294 |
| (AFEG31) | I-1 | 165L-161 | 16.50 x 16.10 | 10 | TL | $311 |
| (AFEG32) | I-1 | 19L-161 | 19.00 x 16.10 | 10 | TL | $420 |
| (AFEG26) | I-1 | 215L-161 | 21.50 x 16.10 | 10 | TL | $455 |
| (AFEG27) | I-1 | 215L-161 | 21.50 x 16.10 | 14 | TL | $545 |
| **FOUR RIB FRONT TRACTOR F-2-M** | | | *(Life = 5000 hrs )* | | | |
| (AFEH1) | F-2M | 750-16 | 7.50 x 16.00 | 6 | TT | $102 |
| (AFEH3) | F-2M | 1000-16 | 10.00 x 16.00 | 8 | TT | $135 |
| (AFEH4) | F-2M | 1100-16 | 11.00 x 16.00 | 8 | TT | $161 |
| **HI-MILER M SS** | | | *(Life = 5000 hrs )* | | | |
| (AFEJ2) | | 36-16-175 | 16.00 x 17.50 | 10 | TL | $606 |
| **IMPLEMENT RIB** | | | *(Life = 5000 hrs )* | | | |
| (AFEK1) | I-1 | 400-09 | 4.00 x 9.00 | 4 | TT | $34 |
| (AFEK11) | I-1 | 400-18 | 4.00 x 18.00 | 4 | TT | $59 |
| (AFEK4) | I-1 | 500-15 | 5.00 x 15.00 | 4 | TT | $60 |
| (AFEK16) | I-1 | 590-15 | 5.90 x 15.00 | 4 | TL | $76 |
| (AFEK6) | I-1 | 600-16 | 6.00 x 16.00 | 6 | TT | $72 |
| (AFEK7) | I-1 | 650-16 | 6.50 x 16.00 | 6 | TT | $81 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (AFEK5) | I-1 | 670-15 | 6.70 x 15.00 | 6 | TT | $78 |
| (AFEK9) | I-1 | 750-16 | 7.50 x 16.00 | 10 | TT | $108 |
| (AFEK12) | I-1 | 750-18 | 7.50 x 18.00 | 6 | TT | $121 |
| (AFEK19) | I-1 | 750-20 | 7.50 x 20.00 | 6 | TL | $151 |
| (AFEK3) | I-1 | 900-10 | 9.00 x 10.00 | 4 | TT | $88 |
| (AFEK10) | I-1 | 900-16 | 9.00 x 16.00 | 10 | TT | $128 |
| (AFEK13) | I-1 | 900-24 | 9.00 x 24.00 | 8 | TT | $298 |
| (AFEK14) | I-1 | 1125-28 | 11.25 x 28.00 | 12 | TT | $595 |
| **LABORER F-3** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEL6) | F-3 | 145/75-161 | 5.70 x 16.10 | 10 | TL | $430 |
| (AFEL3) | F-3 | 800-16 | 8.00 x 16.00 | 10 | TL | $142 |
| (AFEL2) | F-3 | 11L-15 | 11.00 x 15.00 | 10 | TL | $157 |
| (AFEL4) | F-3 | 11L-16 | 11.00 x 16.00 | 10 | TL | $167 |
| (AFEL5) | F-3 | 11L-16 | 11.00 x 16.00 | 12 | TL | $191 |
| **MULTI-RIB F-3** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEM1) | F-3 | 900-10 | 9.00 x 10.00 | 10 | TT | $132 |
| (AFEM2) | F-3 | 1100-16 | 11.00 x 16.00 | 12 | TL | $278 |
| **SMOOTH** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEN2) | | 11L-15 | 11.00 x 15.00 | 10 | TL | $129 |
| (AFEN3) | | 11L-15 | 11.00 x 15.00 | 12 | TL | $163 |
| (AFEN1) | I-1 | 169-30 | 16.90 x 30.00 | 6 | TL | $1,296 |
| **SMOOTH IMP** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEO1) | | 400-8 | 4.00 x 8.00 | 4 | TL | $40 |
| **SOFTRAC II** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEP1) | I-2 | 165L-161 | 16.50 x 16.10 | 6 | TL | $545 |
| (AFEP3) | I-2 | 215L-161 | 21.50 x 16.10 | 10 | TL | $803 |
| **SUPER RIB F-2** | | | ***(Life = 5000 hrs )*** | | | |
| (AFER1) | F-2 | 400-12 | 4.00 x 12.00 | 4 | TL | $51 |
| **SUPER SURE GRIP G-1** | | | ***(Life = 5000 hrs )*** | | | |
| (AFES2) | G-1 | 5-12 | 5.00 x 12.00 | 4 | TL | $49 |
| (AFES1) | G-1 | 7-16 | 7.00 x 16.00 | 2 | TT | $83 |
| (AFES4) | G-2 | 8-16 | 8.00 x 16.00 | 2 | TL | $126 |
| (AFES3) | G-1 | 8-16 | 8.00 x 16.00 | 2 | TL | $132 |
| **SURE GRIP IMPLEMENT** | | | ***(Life = 5000 hrs )*** | | | |
| (AFET1) | I-3 | 105/80-18 | 4.10 x 18.00 | 10 | TL | $468 |
| (AFET2) | I-3 | 125/80-18 | 4.90 x 18.00 | 10 | TL | $460 |
| **SURE GRIP LUG** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEU2) | I-3 | 105/80-18 | 10.50 x 18.00 | 10 | TL | $296 |

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# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (AFEU1) | I-3 | 124-16 | 12.40 x 16.00 | 4 | TL | $310 |
| (AFEU3) | I-3 | 125/80-18 | 12.50 x 18.00 | 10 | TL | $468 |
| **SURE GRIP TRACTION** | | | *(Life = 5000 hrs )* | | | |
| (AFEV1) | I-3 | 670-15 | 6.70 x 15.00 | 4 | TT | $73 |
| (AFEV5) | I-3 | 750-16 | 7.50 x 16.00 | 4 | TL | $115 |
| (AFEV2) | I-3 | 750-18 | 7.50 x 18.00 | 4 | TT | $113 |
| (AFEV3) | I-3 | 750-20 | 7.50 x 20.00 | 4 | TT | $168 |
| (AFEV4) | I-3 | 760-15 | 7.60 x 15.00 | 6 | TL | $98 |
| (AFEV7) | I-3 | 125L-15 FI | 12.50 x 15.00 | 12 | TL | $228 |
| (AFEV8) | I-3 | 165L-161 | 16.50 x 16.10 | 6 | TL | $451 |
| (AFEV10) | I-3 | 215L-161 | 21.50 x 16.10 | 12 | TL | $859 |
| **TRACTION IMPLEMENT** | | | *(Life = 5000 hrs )* | | | |
| (AFEW1) | I-3 | 500-15 | 5.00 x 15.00 | 4 | TL | $41 |
| (AFEW2) | I-3 | 590-15 | 5.90 x 15.00 | 4 | TL | $78 |
| **TRIPLE RIB HD** | | | *(Life = 5000 hrs )* | | | |
| (AFEX8) | F-2 | 550-16 | 5.50 x 16.00 | 6 | TT | $64 |
| (AFEX10) | F-2 | 600-16 | 6.00 x 16.00 | 6 | TT | $64 |
| (AFEX11) | F-2 | 650-16 | 6.50 x 16.00 | 6 | TT | $72 |
| (AFEX4) | F-2 | 75L-15 | 7.50 x 15.00 | 6 | TT | $83 |
| (AFEX13) | F-2 | 750-16 | 7.50 x 16.00 | 8 | TT | $99 |
| (AFEX14) | F-2 | 750-18 | 7.50 x 18.00 | 6 | TT | $117 |
| (AFEX5) | F-2 | 95L-15 | 9.50 x 15.00 | 8 | TT | $121 |
| (AFEX16) | F-2 | 1000-16 | 10.00 x 16.00 | 8 | TL | $153 |
| (AFEX6) | F-2 | 11L-15 | 11.00 x 15.00 | 8 | TT | $139 |
| (AFEX17) | F-2 | 1100-16 | 11.00 x 16.00 | 8 | TL | $185 |
| **TRIPLE RIB R/S F-2** | | | *(Life = 5000 hrs )* | | | |
| (AFEY2) | F-2 | 400-15 | 4.00 x 15.00 | 4 | TT | $44 |
| (AFEY1) | F-2 | 500-15 | 5.00 x 15.00 | 4 | TT | $51 |
| **FARM, REAR** | | | | | | |
| **ALL TRACTION R-3** | | | *(Life = 5000 hrs )* | | | |
| (AGFA1) | R-3 | 750-16 | 7.50 x 16.00 | 4 | TT | $181 |
| **ALL WEATHER R-3** | | | *(Life = 5000 hrs )* | | | |
| (AGFB2) | R-3 | 95-24 | 9.50 x 24.00 | 4 | TT | $310 |
| (AGFB1) | R-3 | 124-16 | 12.40 x 16.00 | 12 | TT | $421 |
| (AGFB7) | R-3 | 136-161 | 13.60 x 16.10 | 8 | TL | $621 |
| (AGFB5) | R-3 | 136-28 | 13.60 x 28.00 | 6 | TT | $545 |
| (AGFB3) | R-3 | 149-24 | 14.90 x 24.00 | 6 | TL | $506 |
| (AGFB4) | R-3 | 169-24 | 16.90 x 24.00 | 6 | TL | $695 |
| (AGFB8) | R-3 | 184-161 | 18.40 x 16.10 | 8 | TL | $829 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (AGFB10) | R-3 | 184-26 | 18.40 x 26.00 | 10 | TL | $879 |
| (AGFB11) | R-3 | 231-26 | 23.10 x 26.00 | 10 | TL | $1,230 |
| (AGFB12) | R-3 | 231-26 | 23.10 x 26.00 | 12 | TL | $1,293 |
| (AGFB14) | R-3 | 245-32 | 24.50 x 32.00 | 12 | TL | $1,967 |
| (AGFB13) | R-3 | 28L-26 | 28.00 x 26.00 | 12 | TL | $1,935 |
| (AGFB15) | R-3 | 305L-32 | 30.50 x 32.00 | 12 | TL | $2,600 |
| (AGFB16) | R-3 | 305L-32 | 30.50 x 32.00 | 24 | TL | $5,436 |
| **DT 710 RADIAL** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFC1) | R-1 | 320/75R24 | 12.60 x 24.00 | X1 | TL | $387 |
| (AGFC12) | R-1 | 136R28 | 13.60 x 28.00 | X3 | TL | $540 |
| (AGFC11) | R-1 | 149R24 | 14.90 x 24.00 | 3H | TL | $622 |
| (AGFC13) | R-1 | 149R28 | 14.90 x 28.00 | X3 | TL | $653 |
| (AGFC9) | R-1 | 155R38 | 15.50 x 38.00 | X1 | TL | $594 |
| (AGFC14) | R-1 | 169R28 | 16.90 x 28.00 | X2 | TL | $813 |
| (AGFC6) | R-1 | 169R30 | 16.90 x 30.00 | X1 | TL | $610 |
| (AGFC7) | R-1 | 184R30 | 18.40 x 30.00 | X1 | TL | $717 |
| (AGFC8) | R-1 | 184R34 | 18.40 x 34.00 | X1 | TL | $740 |
| (AGFC10) | R-1 | 184R38 | 18.40 x 38.00 | 1H | TL | $796 |
| **DT 730 RADIAL** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFD1) | R-1 | 290/95R34 | 11.40 x 34.00 | UK | TL | $837 |
| **DT 800 RADIAL** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFE1) | R-1W | 320/90R42 | 12.60 x 42.00 | UK | TL | $1,075 |
| (AGFE3) | R-1W | 320/90R50 | 12.60 x 50.00 | UK | TL | $1,421 |
| (AGFE2) | R-1W | 380/90R46 | 14.90 x 46.00 | UK | TL | $1,481 |
| **DT 810 RADIAL** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFF1) | R-1W | 380/70R24 | 14.90 x 24.00 | UK | TL | $915 |
| (AGFF2) | R-1W | 420/70R28 | 16.50 x 28.00 | UK | TL | $1,135 |
| (AGFF3) | R-1W | 480/70R30 | 18.90 x 30.00 | UK | TL | $1,380 |
| (AGFF4) | R-1W | 520/70R30 | 20.50 x 30.00 | UK | TL | $1,468 |
| **DT 820 RADIAL** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFG2) | R-1W | 600/65R28 | 23.60 x 28.00 | UK | TL | $1,834 |
| (AGFG1) | R-1W | 620/75R26 | 24.40 x 26.00 | UK | TL | $2,307 |
| (AGFG5) | R-1W | 620/70R42 | 24.40 x 42.00 | UK | TL | $2,249 |
| (AGFG3) | R-1W | 650/75R34 | 25.60 x 34.00 | UK | TL | $2,192 |
| (AGFG4) | R-1W | 710/70R38 | 27.90 x 38.00 | UK | TL | $2,857 |
| **DYNA TORQUE RADIAL R-1** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFH5) | R-1 | 320/85R34 | 12.60 x 34.00 | UK | TL | $1,099 |
| (AGFH7) | R-1 | 149R30 | 14.90 x 30.00 | X3 | TL | $890 |
| (AGFH9) | R-1 | 149R34 | 14.90 x 34.00 | X3 | TL | $1,022 |

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# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (AGFH15) | R-1 | 149R46 | 14.90 x 46.00 | X3 | TL | $1,186 |
| (AGFH6) | R-1 | 385/85R34 | 15.10 x 34.00 | UK | TL | $1,056 |
| (AGFH16) | R-1 | 420/80R46 | 16.50 x 46.00 | UK | TL | $1,439 |
| (AGFH8) | R-1 | 169R30 | 16.90 x 30.00 | X3 | TL | $1,021 |
| (AGFH2) | R-1 | 184R26 | 18.40 x 26.00 | X2 | TL | $1,130 |
| (AGFH10) | R-1 | 184R38 | 18.40 x 38.00 | X1 | TL | $937 |
| (AGFH13) | R-1 | 184R42 | 18.40 x 42.00 | X2 | TL | $1,202 |
| (AGFH17) | R-1 | 184R46 | 18.40 x 46.00 | X3 | TL | $1,508 |
| (AGFH12) | R-1 | 208R38 | 20.80 x 38.00 | X1 | TL | $1,286 |
| (AGFH14) | R-1 | 208R42 | 20.80 x 42.00 | X2 | TL | $1,492 |
| (AGFH3) | R-1 | 245R32 | 24.50 x 32.00 | X3 | TL | $1,937 |
| (AGFH4) | R-1 | 305LR32 | 30.50 x 32.00 | X1 | TL | $2,171 |
| **DYNA TORQUE / DYNA TORQUE II R-1** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFJ28) | R-1 | 7-14 | 7.00 x 14.00 | 4 | TL | $110 |
| (AGFJ1) | R-1 | 95-24 | 9.50 x 24.00 | 6 | TT | $234 |
| (AGFJ29) | R-1 | 112-16 | 11.20 x 16.00 | 4 | TL | $226 |
| (AGFJ3) | R-1 | 112-24 | 11.20 x 24.00 | 8 | TT | $330 |
| (AGFJ5) | R-1 | 124-24 | 12.40 x 24.00 | 8 | TT | $355 |
| (AGFJ38) | R-1 | 124-38 | 12.40 x 38.00 | 10 | TL | $670 |
| (AGFJ6) | R-1 | 136-24 | 13.60 x 24.00 | 8 | TT | $422 |
| (AGFJ41) | R-1 | 136-28 | 13.60 x 28.00 | 10 | TL | $477 |
| (AGFJ11) | R-1 | 136-28 | 13.60 x 28.00 | 8 | TT | $379 |
| (AGFJ21) | R-1 | 136-38 | 13.60 x 38.00 | 6 | TL | $408 |
| (AGFJ7) | R-1 | 149-24 | 14.90 x 24.00 | 6 | TL | $438 |
| (AGFJ31) | R-1 | 149-24 | 14.90 x 24.00 | 8 | TL | $457 |
| (AGFJ42) | R-1 | 149-28 | 14.90 x 28.00 | 10 | TL | $598 |
| (AGFJ22) | R-1 | 155-38 | 15.50 x 38.00 | 6 | TT | $449 |
| (AGFJ8) | R-1 | 169-24 | 16.90 x 24.00 | 6 | TT | $480 |
| (AGFJ39) | R-1 | 169-26 | 16.90 x 26.00 | 10 | TL | $975 |
| (AGFJ43) | R-1 | 169-28 | 16.90 x 28.00 | 10 | TL | $811 |
| (AGFJ14) | R-1 | 169-30 | 16.90 x 30.00 | 6 | TT | $479 |
| (AGFJ37) | R-1 | 169-34 | 16.90 x 34.00 | 10 | TL | $718 |
| (AGFJ23) | R-1 | 169-38 | 16.90 x 38.00 | 14 | TT | $1,170 |
| (AGFJ40) | R-1 | 184-26 | 18.40 x 26.00 | 10 | TL | $775 |
| (AGFJ13) | R-1 | 184-28 | 18.40 x 28.00 | 6 | TT | $606 |
| (AGFJ15) | R-1 | 184-30 | 18.40 x 30.00 | 8 | TL | $606 |
| (AGFJ18) | R-1 | 184-34 | 18.40 x 34.00 | 8 | TT | $717 |
| (AGFJ24) | R-1 | 184-38 | 18.40 x 38.00 | 8 | TT | $764 |
| (AGFJ26) | R-1 | 184-42 | 18.40 x 42.00 | 10 | TT | $1,175 |
| (AGFJ19) | R-1 | 208-34 | 20.80 x 34.00 | 14 | TT | $1,146 |
| (AGFJ25) | R-1 | 208-38 | 20.80 x 38.00 | 8 | TT | $964 |
| (AGFJ27) | R-1 | 208-42 | 20.80 x 42.00 | 10 | TL | $1,935 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (AGFJ45) | R-1 | 231-26 | 23.10 x 26.00 | 8 | TL | $852 |
| (AGFJ16) | R-1 | 231-30 | 23.10 x 30.00 | 8 | TT | $1,023 |
| (AGFJ20) | R-1 | 231-34 | 23.10 x 34.00 | 8 | TT | $1,561 |
| (AGFJ35) | R-1 | 245-32 | 24.50 x 32.00 | 12 | TL | $1,639 |
| (AGFJ34) | R-1 | 28L-26 | 28.00 x 26.00 | 12 | TL | $1,639 |
| (AGFJ36) | R-1 | 305L-32 | 30.50 x 32.00 | 14 | TL | $2,566 |
| **INDUSTRIAL SURE GRIP R-4** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFK1) | R-4 | 149-28 | 14.90 x 28.00 | 8 | TL | $431 |
| (AGFK3) | R-4 | 184-28 | 18.40 x 28.00 | 12 | TL | $1,084 |
| **IT510 R4** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFL4) | R-4 | 169R28 | 16.90 x 28.00 | UK | TL | $745 |
| (AGFL2) | R-4 | 175LR24 | 17.50 x 24.00 | UK | TL | $927 |
| (AGFL3) | R-4 | 195LR24 | 19.50 x 24.00 | UK | TL | $1,062 |
| **IT525 R4** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFM1) | R-4 | 149-24 | 14.90 x 24.00 | 8 | TL | $409 |
| (AGFM4) | R-4 | 169-24 | 16.90 x 24.00 | 10 | TL | $584 |
| (AGFM3) | R-4 | 169-24 | 16.90 x 24.00 | 6 | TL | $458 |
| (AGFM12) | R-4 | 169-28 | 16.90 x 28.00 | 10 | TL | $559 |
| (AGFM6) | R-4 | 175L-24 | 17.50 x 24.00 | 10 | TL | $534 |
| (AGFM5) | R-4 | 184-24 | 18.40 x 24.00 | 12 | TL | $1,057 |
| (AGFM8) | R-4 | 195L-24 | 19.50 x 24.00 | 12 | TL | $834 |
| (AGFM7) | R-4 | 195L-24 | 19.50 x 24.00 | 8 | TL | $639 |
| (AGFM9) | R-4 | 21L-24 | 21.00 x 24.00 | 10 | TL | $903 |
| (AGFM11) | R-4 | 21L-24 | 21.00 x 24.00 | 16 | TL | $1,376 |
| (AGFM14) | R-4 | 21L-28 | 21.00 x 28.00 | 14 | TL | $1,356 |
| **POWER TORQUE R-1** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFN1) | R-1 | 6-12 | 6.00 x 12.00 | 4 | TL | $66 |
| (AGFN2) | R-1 | 72-16 | 7.20 x 16.00 | 4 | TL | $123 |
| (AGFN4) | R-1 | 83-16 | 8.30 x 16.00 | 6 | TL | $146 |
| (AGFN5) | R-1 | 95-16 | 9.50 x 16.00 | 6 | TL | $197 |
| **SPECIAL SURE GRIP R-2-0** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFO1) | R-2 | 136-38 | 13.60 x 38.00 | 6 | TT | $673 |
| (AGFO2) | R-2 | 149-24 | 14.90 x 24.00 | 6 | TL | $657 |
| (AGFO11) | R-2 | 184-26 | 18.40 x 26.00 | 10 | TL | $991 |
| (AGFO5) | R-2 | 184-30 | 18.40 x 30.00 | 6 | TT | $742 |
| (AGFO8) | R-2 | 184-38 | 18.40 x 38.00 | 8 | TL | $1,218 |
| (AGFO12) | R-2 | VA500/95D32 | 19.70 x 32.00 | 20 | TL | $2,218 |
| (AGFO10) | R-2 | 208-38 | 20.80 x 38.00 | 10 | TT | $1,230 |
| (AGFO3) | R-2 | 231-26 | 23.10 x 26.00 | 10 | TL | $1,399 |
| (AGFO4) | R-2 | 28L-26 | 28.00 x 26.00 | 12 | TL | $1,721 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (AGFO6) | R-2 | 305L-32 | 30.50 x 32.00 | 12 | TL | $2,436 |
| **SPECIAL SURE GRIP RADIAL R-2-0** | | | *(Life = 5000 hrs )* | | | |
| (AGFP8) | R-2 | 320/90R46 | 12.60 x 46.00 | X3 | TL | $1,187 |
| (AGFP9) | R-2 | 340/85R46 | 13.40 x 46.00 | UK | TL | $1,247 |
| (AGFP1) | R-2 | 169R28 | 16.90 x 28.00 | X2 | TL | $1,225 |
| (AGFP2) | R-2 | 169R30 | 16.90 x 30.00 | X3 | TL | $1,219 |
| (AGFP3) | R-2 | 184R38 | 18.40 x 38.00 | X1 | TL | $1,354 |
| (AGFP5) | R-2 | 184R42 | 18.40 x 42.00 | X2 | TL | $1,584 |
| (AGFP7) | R-2 | 184R46 | 18.40 x 46.00 | X3 | TL | $1,750 |
| (AGFP4) | R-2 | 208R38 | 20.80 x 38.00 | X2 | TL | $1,746 |
| (AGFP6) | R-2 | 208R42 | 20.80 x 42.00 | X2 | TL | $1,834 |
| **SUPER TRACTION RADIAL R-1** | | | *(Life = 5000 hrs )* | | | |
| (AGFQ1) | R-1W | 250/80R18 | 9.80 x 18.00 | UK | TL | $562 |
| (AGFQ3) | R-1W | 260/80R20 | 10.20 x 20.00 | UK | TL | $590 |
| (AGFQ2) | R-1W | 112R20 | 11.20 x 20.00 | UK | TL | $587 |
| (AGFQ6) | R-1W | 136R28 | 13.60 x 28.00 | UK | TL | $767 |
| (AGFQ15) | R-1W | 136R38 | 13.60 x 38.00 | UK | TL | $914 |
| (AGFQ20) | R-1W | 149R24 | 14.90 x 24.00 | UK | TL | $869 |
| (AGFQ7) | R-1W | 149R28 | 14.90 x 28.00 | UK | TL | $951 |
| (AGFQ9) | R-1W | 149R30 | 14.90 x 30.00 | UK | TL | $1,020 |
| (AGFQ4) | R-1W | 169R24 | 16.90 x 24.00 | UK | TL | $1,011 |
| (AGFQ5) | R-1W | 169R26 | 16.90 x 26.00 | X2 | TL | $1,087 |
| (AGFQ8) | R-1W | 169R28 | 16.90 x 28.00 | UK | TL | $1,051 |
| (AGFQ10) | R-1W | 169R30 | 16.90 x 30.00 | UK | TL | $1,170 |
| (AGFQ21) | R-1W | 169R34 | 16.90 x 34.00 | X2 | TL | $1,171 |
| (AGFQ22) | R-1W | 169R38 | 16.90 x 38.00 | X2 | TT | $1,136 |
| (AGFQ11) | R-1W | 184R26 | 18.40 x 26.00 | UK | TL | $1,172 |
| (AGFQ12) | R-1W | 184R30 | 18.40 x 30.00 | UK | TL | $1,239 |
| (AGFQ14) | R-1W | 184R34 | 18.40 x 34.00 | UK | TL | $1,009 |
| (AGFQ16) | R-1W | 184R38 | 18.40 x 38.00 | UK | TL | $1,073 |
| (AGFQ18) | R-1W | 184R42 | 18.40 x 42.00 | UK | TL | $1,375 |
| (AGFQ17) | R-1W | 208R38 | 20.80 x 38.00 | UK | TL | $1,471 |
| (AGFQ19) | R-1W | 208R42 | 20.80 x 42.00 | UK | TL | $1,708 |
| (AGFQ13) | R-1W | 800/65R32 | 31.50 x 32.00 | UK | TL | $2,692 |
| **SURE GRIP ALL SERVICE R-1** | | | *(Life = 5000 hrs )* | | | |
| (AGFR1) | R-1 | 95-20 | 9.50 x 20.00 | 6 | TL | $263 |
| **TRACTION IRRIGATION 3** | | | *(Life = 5000 hrs )* | | | |
| (AGFS1) | R-1 | 112-24 | 11.20 x 24.00 | 4 | TL | $200 |
| (AGFS2) | R-1 | 149-24 | 14.90 x 24.00 | 4 | TL | $339 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| **TRACTION SURE GRIP R-1** | | | *(Life = 5000 hrs )* | | | |
| (AGFT1) | R-1 | 72-30 | 7.20 x 30.00 | 2 | TT | $267 |
| (AGFT3) | R-1 | 95-42 | 9.50 x 42.00 | 6 | TL | $446 |
| (AGFT2) | R-1 | 184-161 | 18.40 x 16.10 | 6 | TL | $573 |
| **TRACTION TORQUE R-1** | | | *(Life = 5000 hrs )* | | | |
| (AGFU1) | R-1 | 149-28 | 14.90 x 28.00 | 6 | TT | $317 |
| (AGFU2) | R-1 | 169-30 | 16.90 x 30.00 | 6 | TT | $344 |
| (AGFU3) | R-1 | 184-30 | 18.40 x 30.00 | 6 | TT | $429 |
| (AGFU5) | R-1 | 184-38 | 18.40 x 38.00 | 8 | TT | $580 |
| **FARM, TERRA - 20" UP** | | | | | | |
| **SFT105** | | | *(Life = 5000 hrs )* | | | |
| (AHGA2) | HF-1 | 54-3100-26 | 31.00 x 26.00 | 6 | TL | $2,989 |
| **SOF TRAC** | | | *(Life = 5000 hrs )* | | | |
| (AHGB2) | HF-1 | 41-1400-20 | 14.00 x 20.00 | 4 | TL | $513 |
| (AHGB1) | HF-1 | 44-1800-20 | 18.00 x 20.00 | 4 | TL | $603 |
| **SUPER TERRA GRIP** | | | *(Life = 5000 hrs )* | | | |
| (AHGC1) | HF-2 | 38-1400-20 | 14.00 x 20.00 | 8 | TL | $503 |
| (AHGC4) | HF-2 | 48-2500-20 | 25.00 x 20.00 | 10 | TL | $2,593 |
| (AHGC2) | HF-2 | 42-2500-20 | 25.00 x 20.00 | 8 | TL | $2,077 |
| (AHGC6) | HF-2 | 48-3100-20 | 31.00 x 20.00 | 12 | TL | $2,705 |
| (AHGC7) | HF-2 | 54-3100-26 | 31.00 x 26.00 | 6 | TL | $2,989 |
| (AHGC12) | HF-2 | 67-3400-25 | 34.00 x 25.00 | 10 | TL | $3,818 |
| (AHGC10) | HF-2 | 66-4300-25 | 43.00 x 25.00 | 10 | TL | $3,991 |
| (AHGC11) | HF-2 | 66-4300-25 | 43.00 x 25.00 | 20 | TL | $7,192 |
| **SUPER TERRA GRIP XT** | | | *(Life = 5000 hrs )* | | | |
| (AHGD3) | HF-3 | 48-2500-20 | 25.00 x 20.00 | 10 | TL | $2,728 |
| (AHGD1) | HF-3 | 42-2500-20 | 25.00 x 20.00 | 12 | TL | $2,489 |
| (AHGD5) | HF-3 | 48-3100-20 | 31.00 x 20.00 | 12 | TL | $2,958 |
| (AHGD6) | HF-3 | 66-4300-25 | 43.00 x 25.00 | 10 | TL | $4,360 |
| (AHGD7) | HF-3 | VA73-4400-32 | 44.00 x 32.00 | 12 | TL | $6,399 |
| **CUSTOM FLO GRIP** | | | *(Life = 5000 hrs )* | | | |
| (AHGE2) | HF-4 | 67-3400-25 | 34.00 x 25.00 | 14 | TL | $5,194 |
| (AHGE1) | HF-4 | 67-3400-30 | 34.00 x 30.00 | 12 | TL | $4,371 |
| **TUNDRA GRIP** | | | *(Life = 5000 hrs )* | | | |
| (AHGF2) | HF-1 | 66-4400-25 | 44.00 x 25.00 | 16 | TL | $4,941 |
| (AHGF1) | HF-1 | 66-4400-25 | 44.00 x 25.00 | 6 | TL | $3,341 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| **SMOOTH TERRA** | | | *(Life = 5000 hrs )* | | | |
| (AHGG1) | | 44-4100-20 | 41.00 x 20.00 | 10 | TL | $3,047 |
| **STEELGARD SUPER TERRA GRIP** | | | *(Life = 5000 hrs )* | | | |
| (AHGH1) | HF-2 | 66-4300-25 | 43.00 x 25.00 | 12 | TL | $5,013 |
| **STEELGARD CUSTOM FLO GRIP** | | | *(Life = 5000 hrs )* | | | |
| (AHGJ2) | HF-4 | 67-3400-25 | 34.00 x 25.00 | 14 | TL | $5,317 |
| **STEELGARD SUPER TERRA GRIP XT** | | | *(Life = 5000 hrs )* | | | |
| (AHGK1) | HF-3 | 42-2500-20 | 25.00 x 20.00 | 12 | TL | $2,735 |
| (AHGK2) | HF-3 | 66-4300-25 | 43.00 x 25.00 | 12 | TL | $5,211 |
| (AHGK3) | HF-3 | 73-4400-32 | 44.00 x 32.00 | 16 | TL | $8,659 |
| **FARM, SPECIALTY** | | | | | | |
| **SFT105** | | | *(Life = 5000 hrs )* | | | |
| (AJHA1) | HF-1 | 33-1250-15 | 12.50 x 15.00 | 4 | TL | $354 |
| **SOFTRAC** | | | *(Life = 5000 hrs )* | | | |
| (AJHB2) | | 18-650-8 | 6.50 x 8.00 | 4 | TL | $44 |
| (AJHB3) | | 18-850-8 | 8.50 x 8.00 | 6 | TL | $58 |
| (AJHB1) | HF-1 | 25-850-14 | 8.50 x 14.00 | 6 | TL | $135 |
| (AJHB5) | HF-1 | 27-850-15 | 8.50 x 15.00 | 4 | TL | $132 |
| (AJHB4) | HF-1 | 25-1050-15 | 10.50 x 15.00 | 4 | TL | $153 |
| (AJHB6) | HF-1 | 27-1050-15 | 10.50 x 15.00 | 4 | TL | $165 |
| (AJHB7) | HF-1 | 29-1250-15 | 12.50 x 15.00 | 4 | TL | $212 |
| (AJHB10) | HF-1 | 31-1250-15 | 12.50 x 15.00 | 4 | TL | $219 |
| (AJHB11) | HF-1 | 33-1250-15 | 12.50 x 15.00 | 4 | TL | $271 |
| (AJHB8) | HF-1 | 31-1350-15 | 13.50 x 15.00 | 4 | TL | $263 |
| (AJHB12) | HF-1 | 36-1350-15 | 13.50 x 15.00 | 4 | TL | $350 |
| (AJHB9) | HF-1 | 31-1550-15 | 15.50 x 15.00 | 4 | TL | $287 |
| **SUPER TERRA GRIP** | | | *(Life = 5000 hrs )* | | | |
| (AJHC1) | | 27-850-15 | 8.50 x 15.00 | 4 | TL | $110 |
| (AJHC3) | HF-2 | 29-1250-15 | 12.50 x 15.00 | 6 | TL | $245 |
| (AJHC6) | HF-2 | 31-1550-15 | 15.50 x 15.00 | 8 | TL | $331 |
| (AJHC7) | HF-2 | 38-2000-16.1 | 20.00 x 16.00 | 8 | TL | $910 |
| **SURE GRIP LUG** | | | *(Life = 5000 hrs )* | | | |
| (AJHD9) | HF-2 | 27-850-15 | 8.50 x 15.00 | 6 | TL | $156 |
| (AJHD1) | | 10-165 | 10.00 x 16.50 | 6 | TL | $138 |
| (AJHD10) | HF-2 | 27-1050-15 | 10.50 x 15.00 | 6 | TL | $186 |
| (AJHD4) | | 12-165 | 12.00 x 16.50 | 10 | TL | $211 |
| (AJHD3) | | 12-165 | 12.00 x 16.50 | 8 | TL | $182 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (AJHD5) | | 14-175 | 14.00 x 17.50 | 10 | TL | $601 |
| (AJHD7) | | 15-195 | 15.00 x 19.50 | 12 | TL | $669 |
| (AJHD6) | | 15-195 | 15.00 x 19.50 | 8 | TL | $566 |
| **ULTRA GRIP LUG** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHE1) | | 10-165 | 10.00 x 16.50 | 8 | TL | $173 |
| (AJHE3) | | 12-165 | 12.00 x 16.50 | 10 | TL | $242 |
| (AJHE4) | | 31-1550-15 | 15.50 x 15.00 | 8 | TL | $434 |
| **XTRA TRAC** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHF3) | HF-1 | 29-1250-15NHS | 12.50 x 15.00 | 4 | TL | $194 |
| (AJHF2) | HF-1 | 31-1550-15NHS | 15.50 x 15.00 | 8 | TL | $404 |
| **DOUBLE EAGLE** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHG1) | | 205-50-10 | 5.00 x 10.00 | 4 | TL | $76 |
| **POWER RIB** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHJ1) | | 18-850-8 | 8.50 x 8.00 | 4 | TL | $42 |
| (AJHJ2) | | 20-1000-10 | 10.00 x 10.00 | 4 | TL | $96 |
| **RALLY** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHK1) | | 480-8 | 4.80 x 8.00 | 4 | TL | $93 |
| (AJHK2) | | 18-950-8 | 9.50 x 8.00 | 4 | TL | $147 |
| **RIB TERRA** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHL1) | | 18-950-8 | 9.50 x 8.00 | 10 | TT | $94 |
| **TERRA RIB** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHM2) | HF-1 | 25-750-15 | 7.50 x 15.00 | 6 | TL | $124 |
| (AJHM4) | HF-1 | 27-950-15 | 9.50 x 15.00 | 10 | TL | $204 |
| (AJHM6) | HF-1 | 31-1350-15 | 13.50 x 15.00 | 8 | TL | $266 |
| **ATT** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHN1) | | AT21-7-10 | 7.00 x 10.00 | 01 | TL | $51 |
| (AJHN3) | | AT23-8-11 | 8.00 x 11.00 | X2 | TL | $62 |
| (AJHN2) | | AT22-9-8 | 9.00 x 8.00 | 01 | TL | $62 |
| (AJHN5) | | AT24-9-11 | 9.00 x 11.00 | X1 | TL | $68 |
| (AJHN4) | | AT25-11-9 | 11.00 x 9.00 | X1 | TL | $67 |
| **COMPASS TERRA** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHO1) | | 21-1100-8 | 11.00 x 8.00 | X2 | TL | $72 |
| **RAWHIDE III** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHP1) | | 22-1100-8 | 11.00 x 8.00 | X2 | TL | $71 |
| (AJHP2) | | 25-1200-9 | 12.00 x 9.00 | X2 | TL | $104 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| **RAWHIDE TERRA** | | | *(Life = 5000 hrs )* | | | |
| (AJHQ1) | | 21-1100-8 | 11.00 x 8.00 | X2 | TL | $72 |
| **RUNAMUCK** | | | *(Life = 5000 hrs )* | | | |
| (AJHR1) | | 22-1000-8 | 10.00 x 8.00 | X2 | TL | $86 |
| **TRACKER ATT** | | | *(Life = 5000 hrs )* | | | |
| (AJHT1) | | AT24-8-11 | 8.00 x 11.00 | X2 | TL | $68 |
| (AJHT2) | | AT24-10-11 | 10.00 x 11.00 | X2 | TL | $75 |
| **TRACKER P** | | | *(Life = 5000 hrs )* | | | |
| (AJHW2) | | AT25-8-12 | 8.00 x 12.00 | X3 | TL | $88 |
| (AJHW1) | | AT25-11-10 | 11.00 x 10.00 | X3 | TL | $97 |
| **TRACKER PT** | | | *(Life = 5000 hrs )* | | | |
| (AJHX1) | | AT23-7-10 | 7.00 x 10.00 | X2 | TL | $78 |
| **WRANGLER SPORT & WRANGLER SPORT RADIAL** | | | *(Life = 5000 hrs )* | | | |
| (AJHZ1) | | 22-800-10NHS | 8.00 x 10.00 | 01 | TL | $77 |
| (AJHZ2) | | 22-1100-10NHS | 11.00 x 10.00 | 01 | TL | $80 |
| (AJHZ3) | | 24-1100-10NHS | 11.00 x 10.00 | 01 | TL | $93 |
| **INDUSTRIAL, MINE SERVICE** | | | | | | |
| **TRACTION IMPLEMENT** | | | *(Life = 5000 hrs )* | | | |
| (AKEW1) | I-1 | 130/65-18 | 5.10 x 18.00 | 12 | TL | $625 |
| **ROCK MINE SERVICE** | | | *(Life = 5000 hrs )* | | | |
| (AKJA1) | | 38x16-15 | 16.00 x 15.00 | 28 | TL | $1,376 |
| **TRACTION MINE SERVICE** | | | *(Life = 5000 hrs )* | | | |
| (AKJB3) | | 8.25-15 | 8.25 x 15.00 | 16 | TT | $353 |
| (AKJB2) | | 36-11x15(10.00L-15) | 10.00 x 15.00 | 16 | TT | $436 |
| (AKJB5) | | 32-15x15(32x14.50-15) | 14.50 x 15.00 | 20 | TT | $488 |
| (AKJB6) | | 35-15x15(14.50L-15) | 14.50 x 15.00 | 28 | TL | $730 |
| **HARD ROCK LUG MINE & INDUSTRIAL** | | | *(Life = 5000 hrs )* | | | |
| (AKJC1) | | 10.00-20 | 10.00 x 20.00 | 14 | TT | $458 |
| **XTRA TRACTION LUG** | | | *(Life = 5000 hrs )* | | | |
| (AKJD2) | | 8.25-15 | 8.25 x 15.00 | 16 | TT | $445 |
| (AKJD3) | | 36-11x15(10.00L15) | 10.00 x 15.00 | 16 | TT | $542 |
| (AKJD7) | | 24x12x12 | 12.00 x 12.00 | 24 | TL | $507 |
| (AKJD4) | | 32-15x15(32x14.50-15) | 14.50 x 15.00 | 24 | TL | $810 |
| (AKJD6) | | 35-15x15(14.50L-15) | 14.50 x 15.00 | 32 | TL | $1,147 |
| (AKJD8) | | 44x18-20 | 18.00 x 20.00 | 32 | TL | $1,719 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| **XTRA TRACTION GRIP** | | | *(Life = 5000 hrs )* | | | |
| (AKJE1) | | 32x12-15 | 12.00 x 15.00 | 20 | TT | $514 |
| **INDUSTRIAL, PERMAFOAM INFLATION** | | | | | | |
| **PERMAFOAM INFLATION** | | | *(Life = 5000 hrs )* | | | |
| (ALKA6) | | 825-15 | 8.25 x 15.00 | UK | TL | $483 |
| (ALKA1) | | 1000-20 | 10.00 x 20.00 | UK | TL | $775 |
| (ALKA8) | | 1100-15 | 11.00 x 15.00 | UK | TL | $671 |
| (ALKA15) | | 24-1200-12 | 12.00 x 12.00 | UK | TL | $326 |
| (ALKA10) | | 32-12-15 | 12.00 x 15.00 | UK | TL | $634 |
| (ALKA2) | | 1200-20 | 12.00 x 20.00 | UK | TL | $1,102 |
| (ALKA4) | | 1200-24 | 12.00 x 24.00 | UK | TL | $1,227 |
| (ALKA9) | | 28-13-15 | 13.00 x 15.00 | UK | TL | $568 |
| (ALKA3) | | 1400-20 | 14.00 x 20.00 | UK | TL | $1,558 |
| (ALKA11) | | 32-15-15(32-1450-15) | 14.50 x 15.00 | UK | TL | $652 |
| (ALKA12) | | 35-15-15(1450-15) | 14.50 x 15.00 | UK | TL | $731 |
| (ALKA13) | | 38-16-15 | 16.00 x 15.00 | UK | TL | $1,017 |
| (ALKA14) | | 44-18-20 | 18.00 x 20.00 | UK | TL | $1,268 |
| **OFF-THE-ROAD, MED & HEAVY COMMERCIAL, RADIAL** | | | | | | |
| **G-2 GRADER SERVICE - RL2F, SG2B** | | | *(Life = 3200 hrs )* | | | |
| (AMLA2) | G-2 | 13.00R24 | 13.00 x 24.00 | X1 | TL | $814 |
| (AMLA1) | G-2 | 14.00R24 | 14.00 x 24.00 | X1 | TL | $919 |
| (AMLA5) | L/G-2 | 15.5R25 | 15.50 x 25.00 | X1 | TL | $848 |
| (AMLA4) | G-2 | 16.00R24 | 16.00 x 24.00 | X1 | TL | $1,130 |
| **E-2 HAULAGE SERVICE - RL2F/GP2B RL2+** | | | *(Life = 2800 hrs )* | | | |
| (AMLB7) | E-2 | 14.00R24 | 14.00 x 24.00 | X3 | TL | $1,177 |
| (AMLB1) | E/L/G-3 | 17.5R25 | 17.50 x 25.00 | X1 | TL | $1,180 |
| (AMLB8) | E-2 | 18.00R25 | 18.00 x 25.00 | X2 | TL | $1,789 |
| (AMLB2) | E/L/G-3 | 20.5R25 | 20.50 x 25.00 | X1 | TL | $1,690 |
| (AMLB5) | E/L/G-3+T | 20.5R25 | 20.50 x 25.00 | X1 | TL | $2,206 |
| (AMLB9) | E/L/G-3 | 20.5R25 | 20.50 x 25.00 | X2 | TL | $1,786 |
| (AMLB15) | E-2 | 21.00R35 | 21.00 x 35.00 | X2 | TL | $3,505 |
| (AMLB3) | E/L/G-3 | 23.5R25 | 23.50 x 25.00 | X1 | TL | $2,276 |
| (AMLB10) | E/L/G-3 | 23.5R25 | 23.50 x 25.00 | X2 | TL | $2,320 |
| (AMLB21) | E/L-3 | 26.5R25 | 26.50 x 25.00 | X2 | TL | $3,163 |
| (AMLB20) | E-3 | 27.00R49 | 27.00 x 49.00 | X2 | TL | $7,012 |
| (AMLB22) | E/L-3 | 29.5R25 | 29.50 x 25.00 | X2 | TL | $3,961 |
| (AMLB17) | E-2 | 33.25R35 | 33.25 x 35.00 | X2 | TL | $5,620 |
| (AMLB18) | E-2 | 37.25R35 | 37.25 x 35.00 | X2 | TL | $7,328 |
| (AMLB19) | E-2 | 37.5R39 | 37.50 x 39.00 | X2 | TL | $7,927 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (AMLB23) | E-3 | 40.5/75R39 | 40.50 x 39.00 | X2 | TL | $8,922 |
| **E-3 HAULAGE SERVICE - ROCK DESIGN RL3, RL3J,** | | | ***(Life = 2800 hrs )*** | | | |
| (AMLC1) | E-3+ | 16.00R25 | 16.00 x 25.00 | X2 | TL | $2,370 |
| (AMLC2) | E-3+ | 18.00R25 | 18.00 x 25.00 | X2 | TL | $2,341 |
| (AMLC3) | E-3+ | 18.00R33 | 18.00 x 33.00 | X2 | TL | $3,001 |
| (AMLC4) | E-3+ | 21.00R35 | 21.00 x 35.00 | X2 | TL | $3,767 |
| (AMLC5) | E-3+ | 24.00R35 | 24.00 x 35.00 | X2 | TL | $4,804 |
| (AMLC6) | E-3 | 29.5R29 | 29.50 x 29.00 | X2 | TL | $4,493 |
| (AMLC7) | E-3 | 33.25R35 | 33.25 x 25.00 | X2 | TL | $5,994 |
| (AMLC8) | E-3 | 37.25R35 | 37.35 x 35.00 | X2 | TL | $7,661 |
| (AMLC9) | E-3 | 37.5R39 | 37.50 x 39.00 | X2 | TL | $7,976 |
| **E-4 RL4J/RL4 & RL4H/RL4 E4** | | | ***(Life = 5000 hrs )*** | | | |
| (AMLD1) | E-4 | 12.00R24 | 12.00 x 24.00 | X3 | TT | $1,079 |
| (AMLD2) | E-4 | 14.00R24 | 14.00 x 24.00 | X3 | TL | $1,291 |
| (AMLD3) | E-4 | 14.00R25 | 14.00 x 25.00 | X3 | TL | $1,398 |
| (AMLD4) | E-4 | 18.00R25 | 18.00 x 25.00 | X2 | TL | $2,402 |
| (AMLD5) | E-4 | 18.00R33 | 18.00 x 33.00 | X2 | TL | $3,161 |
| (AMLD14) | E-4 | 21.00R35 | 21.00 x 35.00 | X2 | TL | $4,250 |
| (AMLD15) | E-4 | 24.00R35 | 24.00 x 25.00 | X2 | TL | $5,451 |
| (AMLD6) | E-4 | 24.00R49 | 24.00 x 49.00 | X2 | TL | $6,735 |
| (AMLD7) | E-4 | 27.00R49 | 27.00 x 49.00 | X2 | TL | $8,079 |
| (AMLD8) | E-4 | 30.00R51 | 30.00 x 51.00 | X2 | TL | $10,560 |
| (AMLD9) | E-4 | 33.00R51 | 33.00 x 51.00 | X2 | TL | $13,322 |
| (AMLD10) | E-4 | 36.00R51 | 36.00 x 51.00 | X2 | TL | $14,814 |
| (AMLD11) | E-4 | 37.00R57 | 37.00 x 57.00 | X2 | TL | $19,934 |
| (AMLD12) | E-4 | 40.00R57 | 40.00 x 57.00 | X2 | TL | $22,629 |
| **MOBILE CRANE** | | | ***(Life = 5000 hrs )*** | | | |
| (AMLF1) | E/L/G-3 | 445/80R25 (17.5R25) | 17.50 x 25.00 | UK | TL | $1,372 |
| (AMLF2) | E/L-3 | 445/95R25 (16.00R25) | 17.50 x 25.00 | UK | TL | $1,945 |
| (AMLF3) | E/L-3 | 525/80R25(2O.5R25) | 20.60 x 25.00 | UK | TL | $2,024 |
| **L-5 DOZER & LOADER SERVICE RL5K** | | | ***(Life = 8000 hrs )*** | | | |
| (AMLG1) | L-5 | 20.5R25 | 20.50 x 25.00 | X1 | TL | $2,985 |
| (AMLG2) | L-5 | 23.5R25 | 23.50 x 25.00 | X1 | TL | $3,716 |
| **SPECIAL SERVICE - AT2A** | | | ***(Life = 5000 hrs )*** | | | |
| (AMLH1) | E/L/G-3 | 14.00R20 | 14.00 x 20.00 | 18 | TL | $733 |
| (AMLH3) | E/L/G-3 | 16.00R20 | 16.00 x 20.00 | 22 | TL | $1,095 |
| (AMLH4) | E/L/G-3 | 16.00R21 | 16.00 x 21.00 | 22 | TL | $1,148 |
| (AMLH2) | E/L/G-3 | 17.5R25 | 17.50 x 25.00 | X1 | TL | $1,096 |
| (AMLH5) | E/L/G-3 | 555/65R25 | 21.80 x 25.00 | UK | TL | $1,979 |
| (AMLH6) | E/L/G-3 | 22/65R25 | 22.00 x 25.00 | X1 | TL | $1,634 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| **OFF-THE-ROAD, MED & HEAVY COMMERCIAL, BIAS** | | | | | | |
| **INDUSTRIAL SURE GRIP MPT** | | | *(Life = 5000 hrs )* | | | |
| (ANMA1) | | 10.5-20 | 10.50 x 20.00 | 10 | TL | $333 |
| (ANMA2) | | 12.5-20 | 12.50 x 20.00 | 10 | TL | $425 |
| **E-1 HRR 1A** | | | *(Life = 2500 hrs )* | | | |
| (ANMB1) | E-1 | 14.00-25 | 14.00 x 25.00 | 20 | TL | $880 |
| (ANMB2) | E-1 | 16.00-25 | 16.00 x 25.00 | 32 | TL | $1,756 |
| **E-2 TRACTION EARTHMOVER SURE GRIP** | | | *(Life = 2800 hrs )* | | | |
| (ANMC2) | E-2 | 18.00-25 | 18.00 x 25.00 | 12 | TL | $1,746 |
| (ANMC3) | E-2 | 18.00-25 | 18.00 x 25.00 | 16 | TL | $1,832 |
| **E-2 TRACTION SURE GRIP LUG** | | | *(Life = 2800 hrs )* | | | |
| (ANMD1) | E-2 | 29.5-25 | 29.50 x 25.00 | 22 | TL | $3,185 |
| (ANMD2) | E-2 | 29.5-29 | 29.50 x 29.00 | 34 | TL | $3,571 |
| (ANMD3) | E-2 | 29.5-35 | 29.50 x 35.00 | 28 | TL | $3,683 |
| **E-3 ROCK SERVICE HARD ROCK LUG/HRL WC** | | | *(Life = 2800 hrs )* | | | |
| (ANME1) | E-3 | 12.00-20 | 12.00 x 20.00 | 16 | TT | $589 |
| (ANME2) | E-3 | 12.00-24 | 12.00 x 24.00 | 16 | TT | $677 |
| (ANME3) | E-3 | 14.00-24 | 14.00 x 24.00 | 20 | TT | $982 |
| (ANME4) | E-3 | 14.00-25 | 14.00 x 25.00 | 20 | TL | $973 |
| (ANME5) | E-3 | 16.00-25 | 16.00 x 25.00 | 20 | TL | $1,436 |
| (ANME6) | E-3 | 16.00-25 | 16.00 x 25.00 | 24 | TL | $1,510 |
| **E-3 ROCK SERVICE SUPER HARD ROCK LUG** | | | *(Life = 2800 hrs )* | | | |
| (ANMF1) | E-3 | 26.5-25 | 26.50 x 25.00 | 20 | TL | $2,258 |
| (ANMF2) | E-3 | 26.5-25 | 26.50 x 25.00 | 26 | TL | $2,484 |
| (ANMF3) | E-3 | 29.5-25 | 29.50 x 25.00 | 22 | TL | $3,136 |
| (ANMF4) | E-3 | 29.5-25 | 29.50 x 25.00 | 28 | TL | $3,276 |
| (ANMF5) | E-3 | 29.5-29 | 29.50 x 29.00 | 28 | TL | $3,504 |
| (ANMF6) | E-3 | 29.5-29 | 29.50 x 29.00 | 34 | TL | $3,758 |
| **E-3 ROCK SERVICE SHRL8** | | | *(Life = 2800 hrs )* | | | |
| (ANMG4) | E-3 | 29.5-35 | 29.50 x 35.00 | 34 | TL | $4,044 |
| (ANMG1) | E-3 | 33.25-29 | 33.25 x 29.00 | 26 | TL | $4,066 |
| (ANMG6) | E-3 | 33.25-35 | 33.25 x 35.00 | 38 | TL | $5,174 |
| (ANMG2) | E-3 | 33.5-33 | 33.50 x 33.00 | 32 | TL | $4,679 |
| (ANMG7) | E-3 | 37.25-35 | 37.25 x 35.00 | 30 | TL | $5,654 |
| (ANMG8) | E-3 | 37.25-35 | 37.25 x 35.00 | 36 | TL | $6,091 |
| (ANMG9) | E-3 | 37.5-39 | 37.50 x 39.00 | 44 | TL | $6,770 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| **E-3 ROCK SERVICE ELV3A, ELV4B, ELV4/5A** | | | *(Life = 2800 hrs )* | | | |
| (ANMH6) | IND 4 | 16.00-25 | 16.00 x 25.00 | 32 | TL | $2,181 |
| (ANMH2) | IND 3 | 18.00-25 | 18.00 x 25.00 | 32 | TL | $2,306 |
| (ANMH4) | IND 4 | 18.00-25 | 18.00 x 25.00 | 40 | TL | $3,198 |
| (ANMH9) | IND 3 | 21.00-25 | 21.00 x 25.00 | 32 | TL | $3,173 |
| (ANMH1) | IND 3 | 23.5-25 | 23.50 x 25.00 | 36 | TL | $2,443 |
| **E-3 ROCK SERVICE HRL 3F** | | | *(Life = 2800 hrs )* | | | |
| (ANMJ2) | E-3 | 33.25-35 | 33.25 x 35.00 | 32 | TL | $4,904 |
| (ANMJ3) | E-3 | 33.25-35 | 33.25 x 35.00 | 38 | TL | $5,280 |
| (ANMJ5) | E-3 | 37.25-35 | 37.25 x 35.00 | 36 | TL | $6,273 |
| (ANMJ1) | E-3 | 37.5-33 | 37.50 x 33.00 | 42 | TL | $6,793 |
| (ANMJ6) | E-3 | 37.5-39 | 37.50 x 39.00 | 44 | TL | $6,944 |
| (ANMJ7) | E-3 | 37.5-39 | 37.50 x 39.00 | 52 | TL | $7,324 |
| **E-3 ROCK SERVICE UMS 3A** | | | *(Life = 2800 hrs )* | | | |
| (ANMK2) | E-3 | 12.00-20 | 12.00 x 20.00 | 20 | TT | $710 |
| (ANMK4) | E-3 | 12.00-24 | 12.00 x 24.00 | 16 | TT | $677 |
| (ANMK3) | E-3 | 14.00-20 | 14.00 x 20.00 | 24 | TT | $948 |
| **E-3 ROCK SERVICE WRL 3A** | | | *(Life = 2800 hrs )* | | | |
| (ANML1) | E-3 | 14.00-20 | 14.00 x 20.00 | 24 | TT | $948 |
| (ANML2) | E-3 | 14.00-24 | 14.00 x 24.00 | 24 | TT | $1,024 |
| **E-4 ROCK SERVICE AMS4/5 A** | | | *(Life = 5000 hrs )* | | | |
| (ANMM1) | E-4 | 12.00-24 | 12.00 x 24.00 | 16 | TT | $863 |
| **E-4 ROCK SERVICE HRL 4B** | | | *(Life = 5000 hrs )* | | | |
| (ANMN1) | E-4 | 16.00-25 | 16.00 x 25.00 | 28 | TL | $1,712 |
| (ANMN2) | E-4 | 18.00-25 | 18.00 x 25.00 | 32 | TL | $2,353 |
| (ANMN3) | E-4 | 18.00-33 | 18.00 x 33.00 | 32 | TL | $2,917 |
| (ANMN4) | E-4 | 21.00-35 | 21.00 x 35.00 | 36 | TL | $3,827 |
| (ANMN5) | E-4 | 24.00-35 | 24.00 x 35.00 | 36 | TL | $4,883 |
| (ANMN6) | E-4 | 27.00-49 | 27.00 x 49.00 | 42 | TL | $7,101 |
| (ANMN7) | E-4 | 27.00-49 | 27.00 x 49.00 | 48 | TL | $7,672 |
| (ANMN8) | E-4 | 30.00-51 | 30.00 x 51.00 | 46 | TL | $12,655 |
| (ANMN9) | E-4 | 36.00-51 | 36.00 x 51.00 | 58 | TL | $21,672 |
| **E-4 ROCK SERVICE MRL 4B** | | | *(Life = 5000 hrs )* | | | |
| (ANMO1) | E-4 | 24.00-49 | 24.00 x 49.00 | 48 | TL | $7,003 |
| (ANMO2) | E-4 | 36.00-51 | 36.00 x 51.00 | 58 | TL | $21,672 |
| **E-6 TOW SERVICE - RIB TOW SERVICE** | | | *(Life = 3000 hrs )* | | | |
| (ANMP1) | | 61/1800-25 | 18.00 x 25.00 | 44 | TL | $2,701 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| **E-7 FLOTATION TYPE SAND RIB SRB 7A** | | | *(Life = 3000 hrs )* | | | |
| (ANMQ1) | E-7 | 18.00-25 | 18.00 x 25.00 | 12 | TL | $1,224 |
| (ANMQ2) | E-7 | 18.00-25 | 18.00 x 25.00 | 16 | TL | $1,348 |
| (ANMQ6) | E-7 | 21.00-25 | 21.00 x 25.00 | 16 | TL | $1,939 |
| (ANMQ4) | E-7 | 24-20.5 | 24.00 x 20.50 | 16 | TL | $1,587 |
| (ANMQ10) | E-7 | 24-21 | 24.00 x 21.00 | 16 | TT | $1,419 |
| (ANMQ7) | E-7 | 29.5-25 | 29.50 x 25.00 | 28 | TL | $3,719 |
| (ANMQ8) | E-7 | 36.00-51 | 36.00 x 51.00 | 42 | TL | $10,458 |
| **E-7 FLOTATION TYPE PAVER TIRE** | | | *(Life = 3000 hrs )* | | | |
| (ANMR1) | E-7 | 1600-24 | 16.00 x 24.00 | 12 | TL | $1,039 |
| **G-1 RBG 1A** | | | *(Life = 3200 hrs )* | | | |
| (ANMS1) | G-1 | 1400-24 | 14.00 x 24.00 | 12 | TL | $671 |
| **G-2 SGG2A** | | | *(Life = 3200 hrs )* | | | |
| (ANMT2) | G-2 | 12.00-24 | 12.00 x 24.00 | 8 | TL | $356 |
| (ANMT1) | G-2 | 13.00-20 | 13.00 x 20.00 | 10 | TT | $353 |
| (ANMT3) | G-2 | 13.00-24 | 13.00 x 24.00 | 10 | TL | $367 |
| (ANMT4) | G-2 | 13.00-24 | 13.00 x 24.00 | 12 | TL | $401 |
| (ANMT10) | G-2 | 13.00-24 SG | 13.00 x 24.00 | 12 | TL | $559 |
| (ANMT5) | G-2 | 14.00-24 | 14.00 x 24.00 | 10 | TL | $407 |
| (ANMT6) | G-2 | 14.00-24 | 14.00 x 24.00 | 12 | TL | $421 |
| (ANMT8) | G-2 | 16.00-24 | 16.00 x 24.00 | 12 | TL | $993 |
| **G-2 GRADER SMOOTH** | | | *(Life = 3200 hrs )* | | | |
| (ANMU1) | G-1 | 13.00-24 | 13.00 x 24.00 | 10 | TL | $378 |
| **G-2 SGLDL 2A L2** | | | *(Life = 3200 hrs )* | | | |
| (ANMV2) | L-2/G-2 | 15.5-25 | 15.50 x 25.00 | 12 | TL | $538 |
| (ANMV1) | L-2/G-2 | 15.5-25 | 15.50 x 25.00 | 8 | TL | $503 |
| (ANMV3) | L-2/G-2 | 17.5-25 | 17.50 x 25.00 | 12 | TL | $589 |
| (ANMV4) | L-2/G-2 | 17.5-25 | 17.50 x 25.00 | 16 | TL | $733 |
| (ANMV5) | L-2/G-2 | 17.5-25 | 17.50 x 25.00 | 20 | TL | $824 |
| **G-2 SGLEL 2A ES/L2/G2** | | | *(Life = 3200 hrs )* | | | |
| (ANMW1) | E-2/L-2 | 20.5-25 | 20.50 x 25.00 | 12 | TL | $1,089 |
| (ANMW2) | E-2/L-2 | 20.5-25 | 20.50 x 25.00 | 16 | TL | $1,144 |
| (ANMW4) | E-2/L-2 | 23.5-25 | 23.50 x 25.00 | 12 | TL | $1,509 |
| (ANMW5) | E-2/L-2 | 23.5-25 | 23.50 x 25.00 | 16 | TL | $1,584 |
| **G-3 RKG 3A** | | | *(Life = 3200 hrs )* | | | |
| (ANMX1) | G-3 | 14.00-24 | 14.00 x 24.00 | 16 | TL | $718 |
| (ANMX2) | G-3 | 16.00-24 | 16.00 x 24.00 | 16 | TL | $1,284 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| **G-4 SGG-4B** | | | *(Life = 3200 hrs )* | | | |
| (ANMY1) | G-4 | 14.00-24 | 14.00 x 24.00 | 12 | TL | $642 |
| **L-2 DOZER/LOADER SERVICE TRACTION SG LUG DL** | | | *(Life = 3200 hrs )* | | | |
| (ANNA1) | L-2 | 26.5-25 | 26.50 x 25.00 | 14 | TL | $1,859 |
| (ANNA2) | L-2 | 26.5-25 | 26.50 x 25.00 | 20 | TL | $2,043 |
| **L-3 DOZER/LOADER SERVICE ROCK SERVICE E3/L3** | | | *(Life = 3200 hrs )* | | | |
| (ANNB1) | E/L-3 | 20.5-25 | 20.50 x 25.00 | 12 | TL | $1,254 |
| (ANNB2) | E/L-3 | 20.5-25 | 20.50 x 25.00 | 16 | TL | $1,304 |
| (ANNB4) | E/L-3 | 23.5-25 | 23.50 x 25.00 | 12 | TL | $1,680 |
| (ANNB5) | E/L-3 | 23.5-25 | 23.50 x 25.00 | 16 | TL | $1,769 |
| (ANNB6) | E/L-3 | 23.5-25 | 23.50 x 25.00 | 20 | TL | $1,927 |
| **L-3 DOZER/LOADER SERVICE ROCK SHRL DL** | | | *(Life = 3200 hrs )* | | | |
| (ANNC1) | L-3 | 26.5-25 | 26.50 x 25.00 | 20 | TL | $2,449 |
| (ANNC2) | L-3 | 29.5-25 | 29.50 x 25.00 | 22 | TL | $3,178 |
| (ANNC3) | L-3 | 29.5-25 | 29.50 x 25.00 | 28 | TL | $3,422 |
| **L-3 DOZER/LOADER SERVICE ROCK HRL DL 3A & 3F** | | | *(Life = 3200 hrs )* | | | |
| (ANND1) | L/G-3 | 15.5-25 | 15.50 x 25.00 | 12 | TL | $563 |
| (ANND2) | L/G-3 | 17.5-25 | 17.50 x 25.00 | 12 | TL | $671 |
| (ANND4) | L/G-3 | 17.5-25 | 17.50 x 25.00 | 20 | TL | $977 |
| (ANND6) | L-3 | 33.25-35 | 33.25 x 35.00 | 50 | TL | $6,295 |
| **L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD S** | | | *(Life = 5000 hrs )* | | | |
| (ANNE1) | L-4 | 23.5-25 | 23.50 x 25.00 | 20 | TL | $2,519 |
| (ANNE2) | L-4 | 26.5-25 | 26.50 x 25.00 | 20 | TL | $3,062 |
| (ANNE3) | L-4 | 29.5-25 | 29.50 x 25.00 | 22 | TL | $3,767 |
| (ANNE4) | L-4 | 29.5-25 | 29.50 x 25.00 | 28 | TL | $4,056 |
| (ANNE5) | L-4 | 29.5-29 | 29.50 x 29.00 | 28 | TL | $4,250 |
| **L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD H** | | | *(Life = 5000 hrs )* | | | |
| (ANNF1) | L-4 | 52/80-57 | 52.00 x 57.00 | 68 | TL | $42,971 |
| **L-4 DOZER/LOADER SERVICE ROCK DEEP TREAD N** | | | *(Life = 5000 hrs )* | | | |
| (ANNG1) | L-4 | 35/65-33 | 35.00 x 33.00 | 24 | TL | $5,560 |
| (ANNG2) | L-4 | 35/65-33 | 35.00 x 33.00 | 30 | TL | $6,612 |
| **L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T** | | | *(Life = 8000 hrs )* | | | |
| (ANNH1) | L-5 | 20.5-25 | 20.50 x 25.00 | 12 | TL | $1,816 |
| (ANNH2) | L-5 | 23.5-25 | 23.50 x 25.00 | 20 | TL | $2,714 |
| **L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T** | | | *(Life = 8000 hrs )* | | | |
| (ANNJ1) | L-5 | 26.5-25 | 26.50 x 25.00 | 20 | TL | $3,402 |
| (ANNJ2) | L-5 | 29.5-25 | 29.50 x 25.00 | 22 | TL | $4,632 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (ANNJ4) | L-5 | 29.5-29 | 29.50 x 29.00 | 28 | TL | $5,228 |
| (ANNJ5) | L-5 | 37.25-35 | 37.25 x 35.00 | 42 | TL | $8,969 |
| **L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T** | | | ***(Life = 8000 hrs )*** | | | |
| (ANNK1) | L-5 | 26.5-25 | 26.50 x 25.00 | 20 | TL | $3,092 |
| (ANNK2) | L-5 | 29.5-25 | 29.50 x 25.00 | 22 | TL | $4,211 |
| (ANNK4) | L-5 | 29.5-29 | 29.50 x 29.00 | 28 | TL | $4,940 |
| (ANNK5) | L-5 | 37.5-39 | 37.50 x 39.00 | 44 | TL | $10,241 |
| **L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T** | | | ***(Life = 8000 hrs )*** | | | |
| (ANNL2) | L-5 | 35/65-33 | 35.00 x 33.00 | 30 | TL | $6,874 |
| (ANNL3) | L-5 | 40/65-39 | 40.00 x 39.00 | 30 | TL | $8,740 |
| (ANNL4) | L-5 | 41.25/70-39 | 41.25 x 39.00 | 34 | TL | $10,012 |
| (ANNL6) | L-5 | 45/65-45 | 45.00 x 45.00 | 38 | TL | $12,169 |
| (ANNL7) | L-5 | 45/65-45 | 45.00 x 45.00 | 46 | TL | $12,722 |
| (ANNL8) | L-5 | 50/65-51 | 50.00 x 51.00 | 62 | TL | $30,307 |
| **L-5 DOZER/LOADER SERVICE ROCK SUPER XTRA T** | | | ***(Life = 8000 hrs )*** | | | |
| (ANNM1) | L-5 | 35/65-33 | 35.00 x 33.00 | 24 | TL | $6,622 |
| (ANNM2) | L-5 | 45/65-45 | 45.00 x 45.00 | 46 | TL | $13,343 |
| **L-5 DOZER/LOADER SERVICE SMOOTH SMO SL5B** | | | ***(Life = 8000 hrs )*** | | | |
| (ANNN1) | L-5S | 17.5-25 | 17.50 x 25.00 | 20 | TL | $2,206 |
| (ANNN3) | L-5 | 18.00-25 | 18.00 x 25.00 | 28 | TL | $3,162 |
| **L-5 DOZER/LOADER SERVICE SMOOTH SUPER XTR** | | | ***(Life = 8000 hrs )*** | | | |
| (ANNO1) | L-5S | 21.00-25 | 21.00 x 25.00 | 32 | TL | $5,176 |
| (ANNO2) | L-5S | 26.5-25 | 26.50 x 25.00 | 26 | TL | $3,974 |
| (ANNO3) | L-5S | 26.5-25 | 26.50 x 25.00 | 32 | TL | $4,480 |
| (ANNO4) | L-5S | 29.5-25 | 29.50 x 25.00 | 28 | TL | $5,863 |
| **L-5 DOZER/LOADER SERVICE SMOOTH NSM DL5B** | | | ***(Life = 8000 hrs )*** | | | |
| (ANNP1) | L-5S | 35/65-33 | 35.00 x 33.00 | 24 | TL | $7,064 |
| (ANNP2) | L-5S | 45/65-45 | 45.00 x 45.00 | 46 | TL | $13,728 |
| **L-5 DOZER/LOADER SERVICE SMOOTH NYLOSTEEL** | | | ***(Life = 8000 hrs )*** | | | |
| (ANNQ1) | L-5 | 45/65-45 | 45.00 x 45.00 | 38 | TL | $12,169 |
| (ANNQ2) | L-5 | 45/65-45 | 45.00 x 45.00 | 46 | TL | $12,722 |
| **INDUSTRIAL, PRESSED-ON** | | | | | | |
| **PRESSED-ON, HIGH PERFORMANCE, NON-MARKING** | | | ***(Life = 5000 hrs )*** | | | |
| (EPPO5) | | 10-3-61/4 | 3.00 x 10.00 | | NO | $75 |
| (EPPO4) | | 10-31/2-6 | 3.50 x 10.00 | | NO | $78 |
| (EPPO18) | | 12-31/2-8 | 3.50 x 12.00 | | NO | $83 |
| (EPPO23) | | 13-31/2-8 | 3.50 x 13.00 | | NO | $90 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (EPPO25) | | 13-31/2-81/4 | 3.50 x 13.00 | | NO | $131 |
| (EPPO32) | | 15-31/2-111/4 | 3.50 x 15.00 | | NO | $150 |
| (EPPO1) | | 81/2-4-4 | 4.00 x 8.50 | | NO | $115 |
| (EPPO6) | | 10-4-61/4 | 4.00 x 10.00 | | NO | $76 |
| (EPPO10) | | 10-4-61/2 | 4.00 x 10.00 | | NO | $100 |
| (EPPO3) | | 10-4- 5 | 4.00 x 10.00 | | NO | $132 |
| (EPPO19) | | 12-4-8 | 4.00 x 12.00 | | NO | $88 |
| (EPPO45) | | 16-4-121/8 | 4.00 x 16.00 | | NO | $102 |
| (EPPO47) | | 161/4-4-111/4 | 4.00 x 16.25 | | NO | $97 |
| (EPPO51) | | 161/4-4-111/2 | 4.00 x 16.25 | | NO | $167 |
| (EPPO20) | | 12-41/2-8 | 4.50 x 12.00 | | NO | $86 |
| (EPPO24) | | 13-41/2-8 | 4.50 x 13.00 | | NO | $94 |
| (EPPO102) | | 13-41/2-8 | 4.50 x 13.00 | | NO | $117 |
| (EPPO27) | | 131/2-41/2-8 | 4.50 x 13.50 | | NO | $93 |
| (EPPO30) | | 14-41/2-8 | 4.50 x 14.00 | | NO | $106 |
| (EPPO40) | | 16-41/2-101/2 | 4.50 x 16.00 | | NO | $128 |
| (EPPO44) | | 16-41/2-12 | 4.50 x 16.00 | | NO | $130 |
| (EPPO46) | | 16-41/2-121/8 | 4.50 x 16.00 | | NO | $145 |
| (EPPO52) | | 17-41/2-121/8 | 4.50 x 17.00 | | NO | $134 |
| (EPPO11) | | 10-43/4-61/2 | 4.75 x 10.00 | | NO | $77 |
| (EPPO2) | | 9-5- 5 | 5.00 x 9.00 | | NO | $76 |
| (EPPO12) | | 10-5-61/2 | 5.00 x 10.00 | | NO | $66 |
| (EPPO101) | | 10-5-61/2 | 5.00 x 10.00 | | NO | $71 |
| (EPPO7) | | 10-5-61/4 | 5.00 x 10.00 | | NO | $79 |
| (EPPO13) | | 101/2-5-5 | 5.00 x 10.50 | | NO | $69 |
| (EPPO15) | | 101/2-5-61/2 | 5.00 x 10.50 | | NO | $75 |
| (EPPO26) | | 13-5-10 | 5.00 x 13.00 | | NO | $102 |
| (EPPO31) | | 14-5-10 | 5.00 x 14.00 | | NO | $99 |
| (EPPO33) | | 15-5-111/4 | 5.00 x 15.00 | | NO | $99 |
| (EPPO38) | | 151/2-5-10 | 5.00 x 15.50 | | NO | $113 |
| (EPPO41) | | 16-5-101/2 | 5.00 x 16.00 | | NO | $118 |
| (EPPO48) | | 161/4-5-111/4 | 5.00 x 16.25 | | NO | $99 |
| (EPPO53) | | 17-5-121/8 | 5.00 x 17.00 | | NO | $118 |
| (EPPO56) | | 173/4-5-121/8 | 5.00 x 17.75 | | NO | $146 |
| (EPPO58) | | 18-5-121/8 | 5.00 x 18.00 | | NO | $124 |
| (EPPO63) | | 18-5-14 | 5.00 x 18.00 | | NO | $139 |
| (EPPO68) | | 20-5-16 | 5.00 x 20.00 | | NO | $152 |
| (EPPO73) | | 21-5-15 | 5.00 x 21.00 | | NO | $167 |
| (EPPO110) | | 21-5-15 | 5.00 x 21.00 | | NO | $179 |
| (EPPO79) | | 22-5-16 | 5.00 x 22.00 | | NO | $153 |
| (EPPO21) | | 12-51/2-8 | 5.50 x 12.00 | | NO | $104 |
| (EPPO28) | | 131/2-51/2-8 | 5.50 x 13.50 | | NO | $105 |
| (EPPO8) | | 10-6-61/4 | 6.00 x 10.00 | | NO | $88 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (EPPO16) | | 101/2-6-61/2 | 6.00 x 10.50 | | NO | $90 |
| (EPPO14) | | 101/2-6-5 | 6.00 x 10.50 | | NO | $113 |
| (EPPO34) | | 15-6-111/4 | 6.00 x 15.00 | | NO | $114 |
| (EPPO39) | | 151/2-6-10 | 6.00 x 15.50 | | NO | $127 |
| (EPPO42) | | 16-6-101/2 | 6.00 x 16.00 | | NO | $133 |
| (EPPO103) | | 16-6-101/2 | 6.00 x 16.00 | | NO | $160 |
| (EPPO49) | | 161/4-6-111/4 | 6.00 x 16.25 | | NO | $120 |
| (EPPO104) | | 161/4-6-111/4 | 6.00 x 16.25 | | NO | $144 |
| (EPPO54) | | 17-6-121/8 | 6.00 x 17.00 | | NO | $151 |
| (EPPO57) | | 173/4-6-121/8 | 6.00 x 17.75 | | NO | $171 |
| (EPPO59) | | 18-6-121/8 | 6.00 x 18.00 | | NO | $136 |
| (EPPO64) | | 18-6-14 | 6.00 x 18.00 | | NO | $147 |
| (EPPO106) | | 18-6-121/8 | 6.00 x 18.00 | | NO | $162 |
| (EPPO69) | | 20-6-16 | 6.00 x 20.00 | | NO | $172 |
| (EPPO74) | | 21-6-15 | 6.00 x 21.00 | | NO | $182 |
| (EPPO111) | | 21-6-15 | 6.00 x 21.00 | | NO | $193 |
| (EPPO80) | | 22-6-16 | 6.00 x 22.00 | | NO | $174 |
| (EPPO89) | | 22-6-173/4 | 6.00 x 22.00 | | NO | $214 |
| (EPPO22) | | 12-61/2-8 | 6.50 x 12.00 | | NO | $109 |
| (EPPO29) | | 131/2-61/2-8 | 6.50 x 13.50 | | NO | $133 |
| (EPPO9) | | 10-7-61/4 | 7.00 x 10.00 | | NO | $100 |
| (EPPO17) | | 101/2-7-61/2 | 7.00 x 10.50 | | NO | $124 |
| (EPPO35) | | 15-7-111/4 | 7.00 x 15.00 | | NO | $130 |
| (EPPO43) | | 16-7-101/2 | 7.00 x 16.00 | | NO | $151 |
| (EPPO50) | | 161/4-7-111/4 | 7.00 x 16.25 | | NO | $149 |
| (EPPO105) | | 161/4-7-111/4 | 7.00 x 16.25 | | NO | $173 |
| (EPPO55) | | 17-7-121/8 | 7.00 x 17.00 | | NO | $175 |
| (EPPO60) | | 18-7-121/8 | 7.00 x 18.00 | | NO | $146 |
| (EPPO107) | | 18-7-121/8 | 7.00 x 18.00 | | NO | $168 |
| (EPPO65) | | 18-7-14 | 7.00 x 18.00 | | NO | $185 |
| (EPPO70) | | 20-7-16 | 7.00 x 20.00 | | NO | $188 |
| (EPPO75) | | 21-7-15 | 7.00 x 21.00 | | NO | $186 |
| (EPPO112) | | 21-7-15 | 7.00 x 21.00 | | NO | $219 |
| (EPPO81) | | 22-7-16 | 7.00 x 22.00 | | NO | $224 |
| (EPPO90) | | 22-7-173/4 | 7.00 x 22.00 | | NO | $231 |
| (EPPO94) | | 26-7-20 | 7.00 x 26.00 | | NO | $348 |
| (EPPO36) | | 15-8-111/4 | 8.00 x 15.00 | | NO | $146 |
| (EPPO61) | | 18-8-121/8 | 8.00 x 18.00 | | NO | $171 |
| (EPPO66) | | 18-8-14 | 8.00 x 18.00 | | NO | $187 |
| (EPPO108) | | 18-8-121/8 | 8.00 x 18.00 | | NO | $193 |
| (EPPO71) | | 20-8-16 | 8.00 x 20.00 | | NO | $187 |
| (EPPO76) | | 21-8-15 | 8.00 x 21.00 | | NO | $221 |
| (EPPO113) | | 21-8-15 | 8.00 x 21.00 | | NO | $263 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (EPPO82) | | 22-8-16 | 8.00 x 22.00 | | NO | $232 |
| (EPPO115) | | 22-8-16 | 8.00 x 22.00 | | NO | $251 |
| (EPPO91) | | 22-8-173/4 | 8.00 x 22.00 | | NO | $262 |
| (EPPO37) | | 15-9-111/4 | 9.00 x 15.00 | | NO | $212 |
| (EPPO67) | | 18-9-14 | 9.00 x 18.00 | | NO | $190 |
| (EPPO62) | | 18-9-121/8 | 9.00 x 18.00 | | NO | $200 |
| (EPPO109) | | 18-9-121/8 | 9.00 x 18.00 | | NO | $227 |
| (EPPO72) | | 20-9-16 | 9.00 x 20.00 | | NO | $265 |
| (EPPO77) | | 21-9-15 | 9.00 x 21.00 | | NO | $266 |
| (EPPO114) | | 21-9-15 | 9.00 x 21.00 | | NO | $308 |
| (EPPO83) | | 22-9-16 | 9.00 x 22.00 | | NO | $262 |
| (EPPO116) | | 22-9-16 | 9.00 x 22.00 | | NO | $295 |
| (EPPO84) | | 22-10-16 | 10.00 x 22.00 | | NO | $407 |
| (EPPO92) | | 22-10-173/4 | 10.00 x 22.00 | | NO | $448 |
| (EPPO95) | | 28-10-22 | 10.00 x 28.00 | | NO | $563 |
| (EPPO99) | | 36-10-30 | 10.00 x 36.00 | | NO | $784 |
| (EPPO85) | | 22-11-16 | 11.00 x 22.00 | | NO | $515 |
| (EPPO78) | | 21-12-15 | 12.00 x 21.00 | | NO | $375 |
| (EPPO86) | | 22-12-16 | 12.00 x 22.00 | | NO | $480 |
| (EPPO96) | | 28-12-22 | 12.00 x 28.00 | | NO | $724 |
| (EPPO100) | | 36-12-30 | 12.00 x 36.00 | | NO | $859 |
| (EPPO87) | | 22-14-16 | 14.00 x 22.00 | | NO | $593 |
| (EPPO93) | | 22-14-173/4 | 14.00 x 22.00 | | NO | $629 |
| (EPPO97) | | 28-14-22 | 14.00 x 28.00 | | NO | $820 |
| (EPPO88) | | 22-16-16 | 16.00 x 22.00 | | NO | $674 |
| (EPPO98) | | 28-16-22 | 16.00 x 28.00 | | NO | $986 |
| **CONVEYOR/LOADER BELTING** | | | | | | |
| **CONVEYOR BELTING (GOODYEAR WINGFOOT)** | | | ***(Life = 5000 hrs )*** | | | |
| (AZZA1) | | Conveyor Belting | 24.00 x 50.00 | 2 | NO | $317 |
| (AZZA2) | | Conveyor Belting | 24.00 x 60.00 | 2 | NO | $381 |
| (AZZA3) | | Conveyor Belting | 24.00 x 70.00 | 2 | NO | $444 |
| (AZZA4) | | Conveyor Belting | 24.00 x 80.00 | 2 | NO | $508 |
| (AZZA5) | | Conveyor Belting | 24.00 x 90.00 | 2 | NO | $572 |
| (AZZA6) | | Conveyor Belting | 24.00 x 100.00 | 2 | NO | $635 |
| (AZZA7) | | Conveyor Belting | 24.00 x 110.00 | 2 | NO | $698 |
| (AZZA8) | | Conveyor Belting | 24.00 x 120.00 | 2 | NO | $761 |
| (AZZA9) | | Conveyor Belting | 24.00 x 130.00 | 2 | NO | $826 |
| (AZZA10) | | Conveyor Belting | 24.00 x 140.00 | 2 | NO | $889 |
| (AZZA11) | | Conveyor Belting | 24.00 x 150.00 | 2 | NO | $952 |
| (AZZA12) | | Conveyor Belting | 30.00 x 50.00 | 2 | NO | $397 |
| (AZZA13) | | Conveyor Belting | 30.00 x 60.00 | 2 | NO | $476 |
| (AZZA14) | | Conveyor Belting | 30.00 x 70.00 | 2 | NO | $555 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (AZZA15) | | Conveyor Belting | 30.00 x 80.00 | 2 | NO | $635 |
| (AZZA16) | | Conveyor Belting | 30.00 x 90.00 | 2 | NO | $714 |
| (AZZA17) | | Conveyor Belting | 30.00 x 100.00 | 2 | NO | $794 |
| (AZZA18) | | Conveyor Belting | 30.00 x 110.00 | 2 | NO | $873 |
| (AZZA19) | | Conveyor Belting | 30.00 x 120.00 | 2 | NO | $952 |
| (AZZA20) | | Conveyor Belting | 30.00 x 130.00 | 2 | NO | $1,032 |
| (AZZA21) | | Conveyor Belting | 30.00 x 140.00 | 2 | NO | $1,111 |
| (AZZA22) | | Conveyor Belting | 30.00 x 150.00 | 2 | NO | $1,190 |
| (AZZA23) | | Conveyor Belting | 36.00 x 50.00 | 2 | NO | $476 |
| (AZZA24) | | Conveyor Belting | 36.00 x 60.00 | 2 | NO | $572 |
| (AZZA25) | | Conveyor Belting | 36.00 x 70.00 | 2 | NO | $667 |
| (AZZA26) | | Conveyor Belting | 36.00 x 80.00 | 2 | NO | $761 |
| (AZZA27) | | Conveyor Belting | 36.00 x 90.00 | 2 | NO | $857 |
| (AZZA28) | | Conveyor Belting | 36.00 x 100.00 | 2 | NO | $952 |
| (AZZA29) | | Conveyor Belting | 36.00 x 110.00 | 2 | NO | $1,048 |
| (AZZA30) | | Conveyor Belting | 36.00 x 120.00 | 2 | NO | $1,143 |
| (AZZA31) | | Conveyor Belting | 36.00 x 130.00 | 2 | NO | $1,238 |
| (AZZA32) | | Conveyor Belting | 36.00 x 140.00 | 2 | NO | $1,333 |
| (AZZA33) | | Conveyor Belting | 36.00 x 150.00 | 2 | NO | $1,428 |
| (AZZA34) | | Conveyor Belting | 42.00 x 50.00 | 2 | NO | $555 |
| (AZZA35) | | Conveyor Belting | 42.00 x 60.00 | 2 | NO | $667 |
| (AZZA36) | | Conveyor Belting | 42.00 x 70.00 | 2 | NO | $777 |
| (AZZA37) | | Conveyor Belting | 42.00 x 80.00 | 2 | NO | $889 |
| (AZZA38) | | Conveyor Belting | 42.00 x 90.00 | 2 | NO | $999 |
| (AZZA39) | | Conveyor Belting | 42.00 x 100.00 | 2 | NO | $1,111 |
| (AZZA40) | | Conveyor Belting | 42.00 x 110.00 | 2 | NO | $1,222 |
| (AZZA41) | | Conveyor Belting | 42.00 x 120.00 | 2 | NO | $1,333 |
| (AZZA42) | | Conveyor Belting | 42.00 x 130.00 | 2 | NO | $1,444 |
| (AZZA43) | | Conveyor Belting | 42.00 x 140.00 | 2 | NO | $1,555 |
| (AZZA44) | | Conveyor Belting | 42.00 x 150.00 | 2 | NO | $1,666 |
| (AZZA45) | | Conveyor Belting | 48.00 x 50.00 | 3 | NO | $1,066 |
| (AZZA46) | | Conveyor Belting | 48.00 x 60.00 | 3 | NO | $1,279 |
| (AZZA47) | | Conveyor Belting | 48.00 x 70.00 | 3 | NO | $1,492 |
| (AZZA48) | | Conveyor Belting | 48.00 x 80.00 | 3 | NO | $1,705 |
| (AZZA49) | | Conveyor Belting | 48.00 x 90.00 | 3 | NO | $1,918 |
| (AZZA50) | | Conveyor Belting | 48.00 x 100.00 | 3 | NO | $2,131 |
| (AZZA51) | | Conveyor Belting | 48.00 x 110.00 | 3 | NO | $2,345 |
| (AZZA52) | | Conveyor Belting | 48.00 x 120.00 | 3 | NO | $2,557 |
| (AZZA53) | | Conveyor Belting | 48.00 x 130.00 | 3 | NO | $2,771 |
| (AZZA54) | | Conveyor Belting | 48.00 x 140.00 | 3 | NO | $2,983 |
| (AZZA55) | | Conveyor Belting | 48.00 x 150.00 | 3 | NO | $3,197 |
| (AZZA56) | | Conveyor Belting | 60.00 x 50.00 | 4 | NO | $2,507 |
| (AZZA57) | | Conveyor Belting | 60.00 x 60.00 | 4 | NO | $3,009 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX F

## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (AZZA58) | | Conveyor Belting | 60.00 x 70.00 | 4 | NO | $3,511 |
| (AZZA59) | | Conveyor Belting | 60.00 x 80.00 | 4 | NO | $4,013 |
| (AZZA60) | | Conveyor Belting | 60.00 x 90.00 | 4 | NO | $4,515 |
| (AZZA61) | | Conveyor Belting | 60.00 x 100.00 | 4 | NO | $5,016 |
| (AZZA62) | | Conveyor Belting | 60.00 x 110.00 | 4 | NO | $5,517 |
| (AZZA63) | | Conveyor Belting | 60.00 x 120.00 | 4 | NO | $6,019 |
| (AZZA64) | | Conveyor Belting | 60.00 x 130.00 | 4 | NO | $6,520 |
| (AZZA65) | | Conveyor Belting | 60.00 x 140.00 | 4 | NO | $7,022 |
| (AZZA66) | | Conveyor Belting | 60.00 x 150.00 | 4 | NO | $7,524 |

*(1) TT = includes tube, TL = no tube, NO = no tube*

# APPENDIX G TIRE LIFE AND TIRE WEAR FACTORS

# APPENDIX G
# TIRE LIFE AND TIRE WEAR FACTORS

## SECTION I. TIRE WEAR FACTORS

The tire wear factors used in this pamphlet are listed in appendix D. The "useful life" of a new tire is the product of Condition Factors (CF) from group A through group E multiplied by the Wheel Position Factor (WPF), and for drive tires only, the Grade Factor (GF). These factors provide a percentage reduction to the maximum tire life. See chapter 2 for tire methodology.

Drive Tires: Useful Tire Life = (CF x WPF x GF)
All Other Tires: Useful Tire Life = (CF x WPF)

**EXAMPLE**
(Condition Factors, Wheel Position Factors, and Grade Factor are from GMC Terex Guide.)

Factors are specifically for a rear dump wagon.

| **Condition Factors (CF):** | | **Average** | **Severe** |
|---|---|---|---|
| A | Maintenance | 1.00 | 1.00 |
| B | Speeds | 0.80 | 0.85 |
| C | Curves | 1.00 | 0.90 |
| D | Surface Condition | 0.90 | 0.70 |
| E | Loads | 0.90 | 0.80 |
| ***CF*** | ***Product of the factors (A x B x C x D x E)*** | **0.65** | **0.43** |

| **Wheel Position Factors (WPF):** | | | |
|---|---|---|---|
| WPF-FT | Front Tire (FT) | 0.90 | 0.90 |
| WPF-DTR | Drive Tire (DT) - Rear Dump | 0.70 | 0.70 |
| WPF-TT | Trailing Tire (TT) | 1.00 | 1.00 |

| **Grade Factor (GF):** | | | |
|---|---|---|---|
| GF | Grade Factor (Drive Tires Only) | 0.085 | 0.75 |

## APPENDIX G
## TIRE LIFE AND TIRE WEAR FACTORS (Continued)

### SECTION I. TIRE WEAR FACTORS (Continued)

#### EXAMPLE (Continued)

| | Average | Severe |
|---|---|---|
| Front Tire - Average = (CF = 0.65)(WPF-FT = 0.90) | 0.59 | |
| Front Tire - Severe = (CF = 0.43)(WPF-FT = 0.90) | | 0.39 |
| Drive Tire - Average = (CF = 0.65)(WPF-DTR = 0.70)(GF = 0.85) | 0.39 | |
| Drive Tire - Severe = (CF = 0.43)(WPF-DTR = 0.70)(GF = 0.75) | | 0.22 |
| Trailing Tire - Average = (CF = 0.65)(WPF-TT = 1.00) | 0.65 | |
| Trailing Tire - Severe = (CF = 0.43)(WPF-TT = 1.00) | | 0.43 |

### SECTION II. MAXIMUM TIRE LIFE

Maximum tire life is used in the formula to determine tire wear cost and is located in appendix F by type of tire.

# APPENDIX H MANUFACTURER LIST

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| A1 | - ALLIED-GATOR, INC. |
| A2 | - ASV INC. |
| A3 | - AMERICAN PILEDRIVING EQUIPMENT, INC. |
| A4 | - ATLAS COPCO WAGNER INC. |
| AA | - AMERICAN AUGERS, INC. |
| AB | - ALLMAND BROTHERS INC. |
| AC | - ACE ENTERPRISES |
| AD | - ACKER DRILL COMPANY INC. |
| AE | - AEROIL PRODUCTS COMPANY, INC. |
| AF | - AIRPLACO EQUIPMENT CO., INC. |
| AG | - ARROW-MASTER, INC. |
| AH | - AUTO CRANE CO. |
| AI | - AMIDA INDUSTRIES, INC. |
| AJ | - ALLEN ENGINEERING CORP. |
| AK | - TYLER EQUIPMENT CO. |
| AL | - ALLENTOWN EQUIPMENT |
| AM | - AMERICAN CRANE CORPORATION |
| AN | - ATLANTIC |
| AO | - ALKOTA CLEANING SYSTEMS, INC. |
| AP | - PECCO AND WOLFF TOWER CRANES |
| AQ | - AQUATICS UNLIMITED |
| AR | - AMERICAN ROAD MACHINERY, INC. |
| AS | - ATLAS COPCO COMPRESSORS INC. |
| AT | - ANDERSON MAVOR INC. |
| AU | - ALLIED CONSTRUCTION PRODUCTS |
| AV | - ALIVA LTD. |
| AW | - AIRMAN (HOKUETSU INDUSTRIES CO. LTD.) |
| AX | - AMERICAN COMPACTION EQUIPMENT, INC. |
| AY | - KOMLINE-SANDERSON ENGINEERING CO |
| AZ | - ALLIS-CHALMERS CORP. |
| BA | - BADGER EQUIPMENT CO. |
| BB | - BASCO |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| BC | - BOCK ENGINEERED PRODUCTS, INC. |
| BD | - BRODERSON MANUFACTURING CORPORATION |
| BE | - INGERSOLL RAND MATERIAL HANDLING |
| BF | - BENFORD |
| BG | - BARBER-GREENE COMPANY |
| BI | - BOR-IT MANUFACTURING COMPANY INC. |
| BJ | - BURKEEN MANUFACTURING CO. |
| BK | - BLAW KNOX CONSTRUCTION EQUIPMENT CORP. |
| BL | - US FILTER/BLASTRAC |
| BM | - BROCE MANUFACTURING COMPANY |
| BN | - BANDIT INDUSTRIES, INC. |
| BO | - COMPACTION AMERICA |
| BQ | - BELL EQUIPMENT NORTH AMERICA INC . |
| BR | - BROOKVILLE MINING EQUIPMENT CORP. |
| BS | - BALDERSON, INC. |
| BT | - BREAKER TECHNOLOGY INC. |
| BU | - BUSH HOG |
| BW | - BOWIE INDUSTRIES, INC. |
| BX | - BIL-JAX, INC. |
| C1 | - COYOTE LOADER SALES, INC. |
| C2 | - CARELIFT EQUIPMENT |
| C3 | - TIME CONDOR CORPORATION |
| C4 | - CATERPILLAR LIFT TRUCKS, |
| CA | - CATERPILLAR INC. ( MACHINE DIVISION) |
| CB | - CONSOLIDATED BALING MACHINE COMPANY, INC |
| CC | - CEMEN TECH |
| CD | - CDS GROUP |
| CE | - ATHEY PRODUCTS CORPORATION |
| CF | - CGR COMPACTING |
| CG | - CHEMGROUT, INC. |
| CH | - VOGELE AMERICA - PRO-PAV DIV. |
| CI | - CHIPMORE MANUFACTURING CO., INC. |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| CJ | - COLD JET |
| CK | - CHICAGO PNEUMATIC TOOL CO. |
| CL | - CON-E-CO |
| CM | - CLEMCO INDUSTRIES CORPORATION |
| CN | - CT ENVIRONMENTAL SYSTEMS |
| CO | - COMPACTING TECHNOLOGIES INTERNATIONAL |
| CP | - CRISAFULLI PUMP |
| CQ | - CUSHION CUT, INC. |
| CR | - CAMLEVER |
| CS | - CASE CORPORATION |
| CT | - CLEVELAND TRENCHER |
| CU | - CUSCO INDUSTRIES |
| CV | - CONMACO, INC. |
| CW | - CMI CORPORATION - BID-WELL DIVISION |
| CX | - CMC (CONSTRUCTION MACHINERY COMPANY) |
| CY | - CENTRIC |
| CZ | - CLYDE IRON WORKS |
| DA | - ELCO INTERNATIONAL INC. |
| DD | - DELTA DREDGE & PUMP CORP. |
| DE | - DEMOLITION TECHNOLOGIES |
| DF | - DURA FLOAT |
| DG | - DAINONG HEAVY INDUSTRIES, INC. |
| DH | - DAEWOO HEAVY INDUSTRIES LTD. |
| DJ | - CATERPILLAR/DJB |
| DL | - PILECO, INC. |
| DO | - DOSCO CORPORATION |
| DR | - DRESSER MINING EQUIPMENT |
| DS | - DREDGING SUPPLY COMPANY (DSC) |
| DT | - DRILTECH, INC. |
| DW | - DITCH WITCH(The Charles Machine Works)I |
| DY | - DYNAPAC DIVISION - SVEDALA INDUSTRIES |
| EA | - EAGER BEAVER |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| EC | - ELGIN SWEEPER COMPANY |
| EI | - EIMCO JARVIS CLARK |
| EJ | - CEDARAPIDS INC., A TEREX COMPANY |
| EL | - ELLICOTT MACHINE CORPORATION |
| EM | - EXCEL MACHINERY LTD. |
| EP | - ENVIRO-PAK |
| ES | - ESCO CORPORATION |
| ET | - E. D. ETNYRE & CO. |
| EU | - EUCLID INDUSTRIES, INC. |
| EX | - EXCEL INDUSTRIES, INC. |
| EZ | - E-Z DRILL, INC. |
| FC | - FERMEC NORTH AMERICA LTD., A TEREX CO. |
| FE | - FELKER |
| FG | - FINN CORPORATION |
| FH | - FRUEHAUF TRAILER CORPORAITON |
| FI | - FIATALLIS |
| FK | - FRANKLIN TREEFARMER |
| FL | - FLETCHER MINING EQUIPMENT |
| FN | - NEW HOLLAND NORTH AMERICA, INC. |
| FO | - FORD MOTOR COMPANY |
| FR | - FERGUSON MANUFACTURING & EQUIPMENT |
| FS | - FIVE STAR MANUFACTURING CO/ELGIN SWEEPER |
| FU | - FURUKAWA CO.,LTD. |
| GA | - GRADALL COMPANY |
| GB | - GAR-BRO MANUFACTURING COMPANY |
| GC | - GEHL COMPANY |
| GD | - GARDNER-DENVER INDUSTRIAL MACHINES |
| GE | - GENSCO AMERICA CO. LTD. |
| GF | - GRIFFIN DEWATERING CORP. |
| GH | - GEITH INC. |
| GI | - GALION DIVISION |
| GJ | - GENIE INDUSTRIES |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| GL | - GARLOCK EQUIPMENT CO. |
| GM | - GMC AND CHEVROLET |
| GN | - GALION DUMP BODIES, INC. |
| GO | - GOMACO CORPORATION |
| GR | - GORMAN-RUPP COMPANY |
| GT | - GILCREST EQUIPMENT COMPANY |
| GV | - GROVE CRANES |
| GW | - GROVE MANLIFT |
| HA | - HAZCO SERVICES, INC. |
| HB | - HAWCO MANUFACTURING COMPANY, LLC |
| HC | - HAMM COMPACTORS, INC. |
| HD | - HYDRAULIC POWER SYSTEMS, INC. |
| HE | - HENDRIX MANUFACTURING COMPANY, INC. |
| HF | - HYDRA-MAC INTERNATIONAL, INC. |
| HH | - ESG MANUFACTURING H&H PUMP & DREDGE |
| HI | - HITACHI CONSTRUCTION MACHINERY |
| HM | - H&M VIBRO, INC. |
| HN | - HINO DIESEL TRUCKS (U.S.A.) INC. |
| HO | - HOMELITE, INC. (DEERE & COMPANY) |
| HP | - COMPACTION AMERICA |
| HQ | - HYPAC COMPACTION EQUIPMENT |
| HR | - HYDROCAL INC. |
| HU | - HYUNDAI CONSTRUCTION EQUIPMENT |
| HW | - HEWITT-ROBINS |
| HY | - HYSTER CO. |
| IA | - INGERSOLL RAND CO. |
| IB | - INGERSOLL RAND CO. |
| IC | - INTERNATIONAL CONSTRUCTION EQUIPMENT,INC |
| ID | - KOMATSU DRESSER |
| IE | - IDEAL LIMITED, INC. |
| IF | - INGERSOLL RAND CO. |
| IG | - INGRAM MANUFACTURING CO. |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| IH | - NAVISTAR INTERNATIONAL TRANSPORTATION |
| IM | - INNOVATIVE MATERIAL SYSTEMS, INC. (IMS) |
| IN | - INGERSOLL RAND CO. |
| IP | - INGERSOLL RAND CO. |
| IR | - INGERSOLL RAND CO. |
| IS | - INSLEY DIVISION |
| IT | - NAVISTAR INTERNATIONAL CORPORATION |
| JC | - JCB INC. |
| JD | - DEERE & COMPANY |
| JL | - JLG INDUSTRIES, INC. |
| JM | - JEFFREY MINING MACHINERY DIVISION |
| JO | - C. S. JOHNSON COMPANY |
| JR | - JRB COMPANY INC. |
| JS | - JOHNSTON SWEEPER COMPANY |
| KA | - KAWASAKI LOADERS, INC. |
| KB | - KOLBERG - PIONEER, INC |
| KC | - KOBELCO AMERICA INC. |
| KD | - K-D MANITOU, INC. |
| KE | - KENWORTH TRUCK COMPANY |
| KF | - KNAPHEIDE MANUFACTURING CO. |
| KH | - KOHLER COMPANY |
| KI | - KLEIN PRODUCTS, INC. |
| KK | - KEENE ENGINEERING INC. |
| KL | - KOLMAN / ATHEY DIV. |
| KM | - Komatsu America International Company |
| KN | - KENT DEMOLITION TOOLS |
| KO | - KOEHRING CRANES, INC. |
| KR | - KORI CORPORATION |
| KU | - KUBOTA TRACTOR CORPORATION |
| KW | - KERSHAW MFG., CO. |
| KZ | - KEIZER TECHNOLOGIES AMERICAS, INC |
| LA | - LAYTON MANUFACTURING COMPANY |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| LB | - LINK BELT CONSTRUCTION EQUIPMENT CO. |
| LC | - LINCOLN ELECTRIC COMPANY |
| LD | - LEE-BOY |
| LE | - LELY PACIFIC, INC. |
| LG | - LITTLE GIANT CRANE & SHOVEL INC. |
| LH | - MORROW EQUIPMENT COMPANY, LLC |
| LI | - LINK-BELT CONSTRUCTION EQUIPMENT COMPANY |
| LK | - LIFTKING INDUSTRIES, INC. |
| LL | - OMNIQUIP, LULL |
| LN | - LONDON MACHINERY INC. |
| LO | - LORAIN CRANES DIVISION |
| LS | - LAKE SHORE MINING EQUIPMENT INC. |
| LU | - LABOUNTY MANUFACTURING, |
| LY | - BOART LONGYEAR COMPANY |
| M1 | - MANITEX - MANITOWOC BOOM TRUCKS GROUP |
| M2 | - MAULDIN - CALDER BROTHERS CORP. |
| M3 | - MAYCO PUMP - MULTIQUIP INC. |
| MA | - MANITOWOC ENGINEERING CO. |
| MB | - M-B COMPANIES, INC. |
| MC | - VME NORTH AMERICA |
| MD | - MDI/YUTANI |
| ME | - MELROE COMPANY/BOBCAT |
| MF | - MF INDUSTRIAL |
| MG | - McMASTER-CARR |
| MH | - MITSUBISHI FUSO TRUCK OF AMERICA |
| MI | - MITSUBISHI CONSTRUCTION EQUIP. |
| MJ | - MILLER SPREADER CO. |
| MK | - MKT MANUFACTURING, INC. |
| ML | - ITT MARLOW PUMPS |
| MM | - MACO-MUEDON |
| MN | - MAC CORPORATION |
| MO | - MORGEN MANUFACTURING CO. |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| MQ | - MORBARK, INC. |
| MR | - MOBILE DRILLING COMPANY, INC. |
| MS | - MUSTANG UNITS COMPANY |
| MT | - MACK TRUCKS, INC. |
| MU | - MULTIQUIP, INC. |
| MV | - MAYVILLE ENGINEERING CO., INC. |
| MW | - M-B-W, INC. |
| MX | - MAXON INDUSTRIES |
| MY | - MIDLAND MANUFACTURING INC. |
| MZ | - MARINE INLAND FABRICATORS |
| NA | - NAGANO - LELY CORP. |
| NB | - NASCO EQUIPMENT CO. INC. |
| NE | - NEAL MANUFACTURING COMPANY, INC |
| NI | - NIFTYLIFT INC. - USA |
| NL | - NLB CORPORATION |
| NO | - NORTHWEST ENGINEERING COMPANY |
| NP | - NPK CONSTRUCTION EQUIPMENT |
| OE | - OLIN ENGINEERING, INC. |
| OK | - O & K ORENSTEIN & KOPPEL INC. |
| OL | - OLYMPYK CHAIN SAWS |
| ON | - ONAN CORPORATION |
| PA | - PALFINGER INC. |
| PB | - PETTIBONE MICHIGAN LLC |
| PC | - GETMAN BROTHERS MFG. COMPANY |
| PE | - PETERBILT MOTORS COMPANY |
| PH | - P & H |
| PI | - PIQUA ENGINEERING |
| PL | - PRO-LINE / ANVIL ATTACHMENTS |
| PN | - PEMBERTON, INC. |
| PO | - PROGRESSIVE DEVELOPMENT INC. |
| PP | - PACIFIC RUBBER |
| PR | - USFILTER PERRIN PRODUCTS |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| PS | - POWER CURBERS, INC. |
| PT | - PATENT CONSTRUCTION SYSTEMS |
| PU | - PUTZMEISTER INC. |
| PW | - POWERSCREEN INTERNATIONAL DISTRIBUTN LTD |
| PZ | - PACIFIC RUBBER |
| RA | - METSO MINERALS |
| RC | - ROSS COMPANY |
| RD | - REEDRILL, INC. |
| RE | - NORSTAR PRODUCTS INTERNATIONAL, INC. |
| RI | - REYNOLDS INTERNATIONAL, L.P. |
| RK | - RAPID MIX |
| RM | - ROME PLOW CO. |
| RN | - ALLIED SYSTEMS COMPANY (RANGER) |
| RO | - ROBBINS COMPANY |
| RQ | - REED MANUFACTURING |
| RR | - RAMMER - GR COSTRUTTORI - SANDVIK |
| RS | - ROSCO MANUFACTURING CO. |
| RT | - ROADTEC |
| RX | - RAMMAX MACHINERY CO. |
| S1 | - STANLEY HYDRAULIC TOOLS |
| SA | - SAUERMAN |
| SB | - SCAT TRAK - OMNIQUIP - TEXTRON INC. |
| SC | - SCHWING AMERICA INC. |
| SD | - SIOUX STEAM CLEANER CORPORATION |
| SE | - SEALMASTER, INC. |
| SF | - SECO CORPORATION |
| SG | - STONE CONSTRUCTION EQUIPMENT, INC. |
| SH | - SHRED-TECH LIMITED |
| SI | - SAKAI AMERICA, INC. |
| SJ | - SKYJACK, INC. |
| SK | - LTV ENERGY PRODUCTS (SKAGIT) |
| SL | - SHUTTLELIFT, INC. |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| SM | - SEAARK MARINE |
| SN | - STEPHENS MANUFACTURING CO., INC. |
| SO | - SOUTHWEST CONSTRUCTION EQUIPMENT CO. |
| SP | - SPRAGUE AND HENWOOD |
| SQ | - SCHAEFF INC. |
| SR | - SULLAIR CORPORATION |
| SS | - SAMSUNG CONSTRUCTION EQUIPMENT AMERICA |
| ST | - STOW MANUFACTURING, INC. |
| SU | - SULLIVAN INDUSTRIES, INC. |
| SV | - SOMERO ENTERPRISES, INC. |
| SW | - SNORKEL |
| SX | - SELLICK EQUIPMENT LIMITED |
| SY | - SKY TRAK - OMNIQUIP - TEXTRON INC. |
| SZ | - STRATO-LIFT INTERNATIONAL CORP. |
| TA | - TAMPO MANUFACTURING CO., INC. |
| TB | - TERRAMITE CONSTRUCTION EQUIPMENT |
| TC | - TCM |
| TD | - TADANO AMERICA CORPORATION |
| TE | - TEREX CORPORATION |
| TF | - THOMAS EQUIPMENT LTD. |
| TG | - TIMBCO HYDRAULICS, INC. |
| TH | - TEEMARK CORPORATION |
| TI | - TIMBERJACK, A JOHN DEERE COMPANY |
| TJ | - TRAMAC |
| TK | - TAKEUCHI MFG. (U.S.), LTD |
| TL | - BREAKER TECHNOLOGY, INC. (AN ASTEC CO.) |
| TM | - TESMEC USA, INC. |
| TO | - TORO |
| TR | - TEREX MINING |
| TS | - TELSMITH INC. |
| TT | - TRAIL KING INDUSTRIES, INC. |
| TV | - TRAVERSE LIFT CO. |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| UE | - UNDERGROUND EQUIPMENT & SUPPLY |
| UL | - UNIVERSAL ENGINEERING - SVEDALA - METSO |
| UN | - UNIT RIG |
| UP | - UPRIGHT INC. |
| VA | - VOEST-ALPINE |
| VB | - VIBROMAX AMERICA INC. |
| VE | - VERMEER MANUFACTURING CO. |
| VI | - VINCE HAGAN COMPANY |
| VO | - VOLVO CONSTRUCTION EQUIPMENT GROUP |
| VS | - VALLEY SLURRY SEAL CO./SAUNCO AIR TECH. |
| VT | - VALMET - PARTEK FOREST LLC |
| VU | - VULCAN FOUNDATION EQUIPMENT, INC |
| WA | - HAULPAK DIVISION |
| WB | - WEBER MASCHINENTECHNIK GMBH |
| WC | - WACKER CORPORATION |
| WD | - WALDON, INC. |
| WE | - WEATHERFORD U.S. INC. |
| WF | - WATSON INC. |
| WG | - ATLAS COPCO WAGNER |
| WH | - WIGGINS LIFT CO., INC. |
| WI | - WILLMAR EQUIPMENT COMPANY |
| WL | - WALKER MANUFACTURING CO., INC. |
| WN | - WAIN-ROY, INC. |
| WO | - WACO SCAFFOLDING & EQUIPMENT |
| WR | - WARNER FRUEHAUF TRAILER CO., INC. |
| WS | - WHITEMAN CONSPRAY, INC. |
| WT | - WIRTGEN AMERICAN, INC. |
| XX | - NO SPECIFIC MANUFACTURER |
| YA | - YANMAR DIESEL AMERICA CORP. |
| YB | - ADVANCED ENVIRONMENTAL SOLUTIONS |
| ZZ | - GENERIC EQUIPMENT |

# APPENDIX I FEDERAL COST-OF-MONEY RATE

# APPENDIX I
## FEDERAL COST-OF-MONEY RATE
(Renegotiation or Prompt Payment Rate)

| EFFECTIVE MONTHS | EFFECTIVE DATE | RATE |
|---|---|---|
| July - December | 7/1/76 | 8.500% |
| January - June | 1/1/77 | 7.750% |
| July - December | 7/1/77 | 7.875% |
| January - June | 1/1/78 | 8.250% |
| July - December | 7/1/78 | 9.000% |
| January - June | 1/1/79 | 9.875% |
| July - December | 7/1/79 | 10.250% |
| January - June | 1/1/80 | 12.250% |
| July - December | 7/1/80 | 10.500% |
| January - June | 1/1/81 | 14.875% |
| July - December | 7/1/81 | 14.875% |
| January - June | 1/1/82 | 14.750% |
| July - December | 7/1/82 | 15.500% |
| January - June | 1/1/83 | 11.250% |
| July - December | 7/1/83 | 11.500% |
| January - June | 1/1/84 | 12.375% |
| July - December | 7/1/84 | 14.375% |
| January - June | 1/1/85 | 12.125% |
| July - December | 7/1/85 | 10.375% |
| January - June | 1/1/86 | 9.750% |
| July - December | 7/1/86 | 8.500% |
| January - June | 1/1/87 | 7.625% |
| July - December | 7/1/87 | 8.875% |
| January - June | 1/1/88 | 9.375% |
| July - December | 7/1/88 | 9.250% |
| January - June | 1/1/89 | 9.750% |
| July - December | 7/1/89 | 9.125% |
| January - June | 1/1/90 | 8.500% |

## APPENDIX I
## FEDERAL COST-OF-MONEY RATE (Continued)
(Renegotiation or Prompt Payment Rate)

| EFFECTIVE MONTHS | EFFECTIVE DATE | RATE |
|---|---|---|
| July - December | 7/1/90 | 9.000% |
| January - June | 1/1/91 | 8.375% |
| July - December | 7/1/91 | 8.500% |
| January - June | 1/1/92 | 6.875% |
| July - December | 7/1/92 | 7.000% |
| January - June | 1/1/93 | 6.500% |
| July - December | 7/1/93 | 5.625% |
| January- June | 1/1/94 | 5.500% |
| July - December | 7/1/94 | 7.000% |
| January - June | 1/1/95 | 8.125% |
| July - December | 7/1/95 | 6.375% |
| January - June | 1/1/96 | 5.875% |
| July - December | 7/1/96 | 7.000% |
| January - June | 1/1/97 | 6.375% |
| July - December | 7/1/97 | 6.750% |
| January - June | 1/1/98 | 6.250% |
| July - December | 7/1/98 | 6.000% |
| January - June | 1/1/99 | 5.000% |
| July – December | 7/1/99 | 6.500% |
| January – June | 1/1/00 | 6.750% |
| July – December | 7/1/00 | 7.250% |
| January – June | 1/1/01 | 6.375% |
| July – December | 7/1/01 | 5.875% |
| January – June | 1/1/02 | 5.500% |
| July – December | 7/1/02 | 5.250% |
| January – June | 1/1/03 | 4.250% |

The Department of the Treasury adjusts the CMR on or about 1 January and 1 July each year; these revisions are printed in the Federal Register or can be found on the Internet at http://www.publicdebt.treas.gov/opd/opdprmt2.htm.

# APPENDIX J EQUIPMENT ACCESSORIES

# APPENDIX J
# EQUIPMENT ACCESSORIES

The following accessories are listed by category (CAT), subcategory (SUB), and description (including features required for safety). The accessories have been included with the major equipment listed in this pamphlet when they are not included with the basic cost and are offered by the manufacturer.

| CAT . SUB | DESCRIPTION |
|---|---|
| **C85.10** | **CRANES, DRAGLINE AND CLAMSHELL, CRAWLER MOUNTED** |
| | Power load lowering |
| | Independent swing and travel |
| | Third drum |
| | Torque converter [machines 1 1/2 cubic yard (cy) or larger] |
| | Approximately one-half maximum boom length |
| | Counterweight (standard) |
| | Fire extinguisher 5-B:C |
| | Swing and reverse signal (backup) alarm |
| | Boom angle indicator and a load-indicating device |
| | Drum rotation indicators |
| | Anti-two block (upper limit) devices |
| | Manufacturers' mandatory accessories |
| **C85.20** | **CRANES, LIFTING, CRAWLER MOUNTED** |
| | Power load lowering |
| | Independent swing and travel |
| | Third drum |
| | Torque converter (machines 25 tons or larger) |
| | One-half maximum boom length (machines less than 60 tons) |
| | Maximum boom length at 360 degree rating (machines larger than 60 tons) |
| | Counterweight (standard) |
| | Fire extinguisher 5-B:C |
| | Swing and reverse signal (backup) alarm |
| | Boom angle indicator and a load-indicating device |
| | Drum rotation indicators |
| | Anti-two block (upper limit) devices |
| | Manufacturers' mandatory accessories |
| | Hook block on machines larger than 100 tons |
| **C90.01** | **TRUCK CRANES - LESS THAN 25 TONS** |
| | Power load lowering |
| | Third drum |
| | Mechanical outriggers with screw jacks |
| | Maximum boom length at 360 degrees rating |

| CAT . SUB | DESCRIPTION |
|---|---|
| **C90.01** | **TRUCK CRANES - LESS THAN 25 TONS** (Continued) |
| | Counterweight (standard) |
| | Fire extinguisher 5-B:C |
| | Swing and reverse signal (backup) alarm |
| | Boom angle indicator and a load-indicating device |
| | Drum rotation indicators |
| | Anti-two block (upper limit) devices |
| | Manufacturers mandatory accessories |
| **C90.02** | **TRUCK CRANE - 25 TONS AND LARGER** |
| **C90.03** | Power load lowering |
| **C90.04** | Third drum |
| | Hydraulic outriggers with screw jacks |
| | Torque converter when available (upper only) |
| | Maximum boom length at 360 degrees rating |
| | Counterweight (standard) |
| | Fire extinguisher 5-B:C |
| | Reverse signal (backup) alarm |
| | Boom angle indicator and a load-indicating device |
| | Drum rotation indicators |
| | Anti-two block (upper limit) devices |
| | Hook block on machines larger than 100 tons |
| **G15** | **GRADER** |
| | Rollover protective structures (ROPS) with enclosed cab |
| | Ripper/scarifier, rear mounted |
| | Front wheel lean |
| | Power circle |
| | Hydraulic shift and tilt moldboard |
| | End bits |
| | Standard work lights |
| | Fire extinguisher 5-B:C |
| | Reverse signal (backup) alarm |
| **H25** | **EXCAVATORS, HYDRAULIC** |
| **H30** | Backhoe bucket (standard) |
| | Backhoe stick (medium length) |
| | Backhoe boom (one piece) |
| | Backhoe bucket linkage (with cylinder) |
| | Guards |
| | Counterweight |
| | Standard work lights |

| CAT . SUB | DESCRIPTION |
|---|---|
| **H25** | **EXCAVATORS, HYDRAULIC** (Continued**)** |
| **H30** | Reverse signal (backup) alarm |
| | ROPS |
| | Fire extinguisher 5-B:C |
| **H35** | **HYDRAULIC SHOVELS - CRAWLER MOUNTED** |
| | Torque converter (machines 1 1/2 cy or larger) |
| | Counterweight |
| | Reverse signal (backup) alarm |
| | ROPS |
| | Fire extinguisher 5-B:C |
| **L30** | **LOADERS, BELT (CONVEYOR BELTS)** |
| | Power unit |
| | Head pulley clutch and backstop |
| | Belt cleaner and belt installing equipment |
| | King pin attachments |
| **L35** | **LOADERS, 1 1/2 cy AND LARGER** |
| **L40** | Blower fan |
| | Guard, power train |
| | Automatic bucket positioner |
| | Standard counterweight |
| | Machines less than 7 cy: General purpose or excavating bucket with bolt on cutting edge and no teeth |
| | Machines 7 cy or larger: Rock bucket with bolt on cutting edge and teeth |
| | Standard work lights |
| | Reverse signal (backup) alarm |
| | ROPS |
| | Fire extinguisher 5-B:C |
| **S10** | **SCRAPERS** |
| **S15** | Control single lever |
| **S20** | Blower fan |
| | Standard work light |
| | Guards, power train |
| | Reverse signal (backup) alarm |
| | ROPS |
| | Fire extinguisher 5-B:C |
| | Supplemental steering |

| CAT . SUB | DESCRIPTION |
|---|---|
| **T15** | **TRACTOR, CRAWLER** |
| | Hydraulic controls for ripper and blade |
| | Guards |
| | Blower fan |
| | Standard work lights |
| | Hook, front pull |
| | Track grousers (severe service for units over 200 hp) |
| | Counterweights where required |
| | Reverse signal (backup) alarm |
| | ROPS |
| | Universal blade |
| **T20** | **TRACTOR, WHEEL** |
| | Hydraulic controls for ripper and blade |
| | Guards |
| | Blower fan |
| | Standard work lights |
| | Blade |
| | Fire extinguisher 5-B:C |
| | Counterweights when required |
| **T25** | **TRACTOR, AGRICULTURAL** |
| | Independent power take off (PTO) |
| | Standard work lights |
| | Fire extinguisher 5-B:C |
| | Counterweights when required |
| | 3-point hitch |
| | ROPS |
| | Hydraulic system with controls |
| **T55** | **TRUCKS, OFF-HIGHWAY** |
| | No spin differential |
| | Tachograph |
| | Engine and transmission guards |
| | Body liners |

# APPENDIX K ACRONYMS

# APPENDIX K

## ACRONYMS

| | |
|---|---|
| AVF | average value factor |
| bhp | brake horsepower |
| CAT | category |
| CENWW | U.S. Army Corps of Engineers, Walla Walla District |
| CMR | cost of money rate |
| cwt | hundredweight |
| D | diesel |
| DC | discount code |
| DEPR | depreciation |
| DT | drive tire |
| E | electricity |
| EAF | economic adjustment factor |
| EK | economic key |
| EP | Engineer Pamphlet |
| ER | Engineer Regulation |
| FAR | Federal Acquisition Regulation |
| EFAR | Engineer Federal Acquisition Regulation |
| FCCM | facilities capital cost of money |
| FOG | filters, oil, and grease |
| FT | front tire |
| G | gas |
| G&A | general and administrative |
| gal | gallon |
| GCW | gross combined weight |
| GVW | gross vehicle weight |
| hp | horsepower |
| HPF | horsepower factor |
| hr | hour |
| ID No. | identification number |
| IGE | Independent Government Estimate |
| kW | kilowatt |
| LAF | labor adjustment factor |
| lbs | pounds |
| LIFE | economic life (probably should take this out) |
| N | number of years |
| PDF | portable document format |
| PTO | power take off |
| RCF | repair cost factor |
| RF | repair factor |
| ROPS | Rollover protective structures |
| RPR | repairs |
| SLV | salvage value |

| | |
|---|---|
| SUB | subcategory |
| TCI | tire cost index |
| TEV | total equipment value |
| TT | trailing tire |
| WHPY | working hours per year |
| wk | week |
| WLS | water, lube, and supplies |
| yr | year |

# APPENDIX L GROUND ENGAGING COMPONENT COSTS INCLUDED IN REPAIRS (RCF)

# APPENDIX L

## Ground Engaging Component Costs Included in Repairs (RCF)

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | | Blade cutting edges, wear plates, hard facing, and end plates | | Bucket teeth, cutting edges, side cutters, and wear plates | Ripper tips and shank protection | Equipment Specific Wear Items | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B15 | 0.00 | BROOMS, STREET SWEEPERS & FLUSHERS | 95 | A | B | 8,000 | 0.10 | | ☐ | | ☐ | ☐ | ☑ | 0.80 |
| B25 | 0.00 | BUCKETS, CLAMSHELL | 15 | A | B | 8,000 | 0.10 | | ☐ | | ☑ | ☐ | ☐ | 0.70 |
| B25 | 0.00 | BUCKETS, CLAMSHELL | 15 | S | B | 6,500 | 0.10 | | ☐ | | ☑ | ☐ | ☐ | 0.80 |
| B35 | 0.00 | BUCKETS, DRAGLINE | 1 | | | | | | ☐ | | ☑ | ☐ | ☐ | |
| B35 | 0.10 | LIGHT WEIGHT | 15 | A | B | 8,000 | 0.10 | | ☐ | | ☑ | ☐ | ☐ | 0.70 |
| B35 | 0.10 | LIGHT WEIGHT | 15 | S | B | 6,500 | 0.10 | | ☐ | | ☑ | ☐ | ☐ | 0.80 |
| B35 | 0.20 | MEDIUM WEIGHT | 15 | A | B | 9,000 | 0.10 | | ☐ | | ☑ | ☐ | ☐ | 0.70 |
| B35 | 0.20 | MEDIUM WEIGHT | 15 | S | B | 7,000 | 0.10 | | ☐ | | ☑ | ☐ | ☐ | 0.80 |
| B35 | 0.30 | HEAVY WEIGHT | 15 | A | B | 10,000 | 0.10 | | ☐ | | ☑ | ☐ | ☐ | 0.70 |
| B35 | 0.30 | HEAVY WEIGHT | 15 | S | B | 8,000 | 0.10 | | ☐ | | ☑ | ☐ | ☐ | 0.80 |
| G15 | 0.00 | GRADERS, MOTOR | 35 | A | B | 14,500 | 0.25 | | ☑ | | ☐ | ☑ | ☐ | 0.75 |
| G15 | 0.00 | GRADERS, MOTOR | 35 | S | B | 13,500 | 0.25 | | ☑ | | ☐ | ☑ | ☐ | 0.85 |
| H25 | 0.00 | HYDRAULIC EXCAVATORS, CRAWLER MOUNTED | 1 | | | | | | ☐ | | ☑ | ☐ | ☐ | |
| H25 | 0.10 | 0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS) | 65 | A | B | 8,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.70 |
| H25 | 0.10 | 0 LBS THRU 12,500 LBS (COMPACT EXCAVATORS) | 65 | S | B | 7,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.80 |
| H25 | 0.11 | OVER 12,500 LBS THRU 40,000 LBS | 65 | A | B | 8,500 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.70 |
| H25 | 0.11 | OVER 12,500 LBS THRU 40,000 LBS | 65 | S | B | 7,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.85 |
| H25 | 0.12 | OVER 40,000 LBS THRU 100,000 LBS | 65 | A | B | 12,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.80 |
| H25 | 0.12 | OVER 40,000 LBS THRU 100,000 LBS | 65 | S | B | 10,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.95 |
| H25 | 0.13 | OVER 100,000 LBS THRU 160,000 LBS | 65 | A | B | 16,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 1.00 |
| H25 | 0.13 | OVER 100,000 LBS THRU 160,000 LBS | 65 | S | B | 13,500 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 1.10 |
| H25 | 0.14 | OVER 160,000 LBS | 65 | A | B | 19,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 1.10 |
| H25 | 0.14 | OVER 160,000 LBS | 65 | S | B | 15,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 1.25 |
| H30 | 0.00 | HYDRAULIC EXCAVATORS, WHEEL MOUNTED | 1 | | | | | | ☐ | | ☑ | ☐ | ☐ | |
| H30 | 0.01 | 0 THRU 1.0 CY | 65 | A | B | 8,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.50 |
| H30 | 0.01 | 0 THRU 1.0 CY | 65 | S | B | 6,500 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.55 |
| H30 | 0.02 | OVER 1.0 CY | 65 | A | B | 10,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.60 |
| H30 | 0.02 | OVER 1.0 CY | 65 | S | B | 8,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.65 |

**EK=Economic Key (Appendix E)**
**C=Operating Conditions (A=average, S=severe)**
**DC=Discount Code (B=basic 7.5%, S=special 15%)**
**RCF=Repair Cost Factor**

**LIFE=Economic Life**
**SLV=Salvage Value**

# APPENDIX L

## Ground Engaging Component Costs Included in Repairs (RCF)

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | | Blade cutting edges, wear plates, hard facing, and end plates | | Bucket teeth, cutting edges, side cutters, and wear plates | Ripper tips and shank protection | Equipment Specific Wear Items | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H35 | 0.00 | HYDRAULIC SHOVELS, CRAWLER MOUNTED | 1 | | | | | | ☐ | | ☑ | ☐ | ☐ | |
| H35 | 0.11 | DIESEL, 0 CY THRU 5.0 CY | 65 | A | B | 14,000 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 1.00 |
| H35 | 0.11 | DIESEL, 0 CY THRU 5.0 CY | 65 | S | B | 12,000 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 1.10 |
| H35 | 0.12 | DIESEL, OVER 5.0 CY | 65 | A | B | 16,000 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 1.20 |
| H35 | 0.12 | DIESEL, OVER 5.0 CY | 65 | S | B | 14,000 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 1.30 |
| H35 | 0.21 | ELECTRIC, OVER 2.5 CY | 65 | A | B | 18,000 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 0.80 |
| H35 | 0.21 | ELECTRIC, OVER 2.5 CY | 65 | S | B | 16,000 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 0.90 |
| L35 | 0.00 | LOADERS, FRONT END, CRAWLER TYPE | 40 | A | B | 10,000 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 1.10 |
| L35 | 0.00 | LOADERS, FRONT END, CRAWLER TYPE | 40 | S | B | 8,000 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 1.25 |
| L40 | 0.00 | LOADERS, FRONT END, WHEEL TYPE | 1 | | | | | | ☐ | | ☑ | ☐ | ☐ | |
| L40 | 0.11 | ARTICULATED, 0 THRU 225 HP | 45 | A | B | 9,250 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.70 |
| L40 | 0.11 | ARTICULATED, 0 THRU 225 HP | 45 | S | B | 8,750 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.80 |
| L40 | 0.12 | ARTICULATED, OVER 225 HP | 45 | A | B | 13,500 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 0.70 |
| L40 | 0.12 | ARTICULATED, OVER 225 HP | 45 | S | B | 12,000 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 0.75 |
| L40 | 0.20 | SKID STEER | 45 | A | B | 8,000 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 0.80 |
| L40 | 0.31 | TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP | 45 | A | B | 10,000 | 0.25 | | ☐ | | ☐ | ☐ | ☑ | 0.85 |
| L40 | 0.31 | TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP | 45 | S | B | 9,250 | 0.25 | | ☐ | | ☐ | ☐ | ☑ | 0.90 |
| L40 | 0.32 | TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP | 45 | A | B | 12,000 | 0.15 | | ☐ | | ☐ | ☐ | ☑ | 0.85 |
| L40 | 0.32 | TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP | 45 | S | B | 10,000 | 0.15 | | ☐ | | ☐ | ☐ | ☑ | 0.90 |
| L45 | 0.00 | LOADERS / BACKHOE, CRAWLER TYPE | 40 | A | B | 8,000 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 1.35 |
| L45 | 0.00 | LOADERS / BACKHOE, CRAWLER TYPE | 40 | S | B | 6,000 | 0.20 | | ☐ | | ☑ | ☐ | ☐ | 1.40 |
| L50 | 0.00 | LOADERS / BACKHOE, WHEEL TYPE | 45 | A | B | 10,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.80 |
| L50 | 0.00 | LOADERS / BACKHOE, WHEEL TYPE | 45 | S | B | 6,000 | 0.25 | | ☐ | | ☑ | ☐ | ☐ | 0.85 |
| L60 | 0.00 | LOG SKIDDERS | 75 | A | B | 10,000 | 0.15 | | ☑ | | ☐ | ☐ | ☑ | 0.70 |
| L60 | 0.00 | LOG SKIDDERS | 75 | S | B | 8,000 | 0.15 | | ☑ | | ☐ | ☐ | ☑ | 0.80 |
| P35 | 0.00 | PIPELAYERS | 70 | A | B | 14,000 | 0.20 | | ☐ | | ☐ | ☐ | ☑ | 0.95 |
| P35 | 0.00 | PIPELAYERS | 70 | S | B | 11,500 | 0.20 | | ☐ | | ☐ | ☐ | ☑ | 1.10 |
| R30 | 0.00 | ROLLERS, STATIC, SELF-PROPELLED | 1 | | | | | | ☐ | | ☐ | ☐ | ☑ | |

**EK=Economic Key (Appendix E)**
**C=Operating Conditions (A=average, S=severe)**
**DC=Discount Code (B=basic 7.5%, S=special 15%)**
**RCF=Repair Cost Factor**

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**SLV=Salvage Value**

# APPENDIX L

## Ground Engaging Component Costs Included in Repairs (RCF)

| CATEGORY | SUB | DESCRIPTION | EK | C | DC | LIFE | SLV | | Blade cutting edges, wear plates, hard facing, and end plates | | Bucket teeth, cutting edges, side cutters, and wear plates | Ripper tips and shank protection | Equipment Specific Wear Items | RCF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R30 | 0.03 | TAMPING FOOT, LANDFILL & SOIL COMPACTORS | 55 | A | B | 12,000 | 0.20 | | ☐ | | ☐ | ☐ | ☑ | 0.80 |
| S10 | 0.00 | SCRAPERS, ELEVATING | 1 | | | | | | ☐ | | ☐ | ☐ | ☑ | |
| S10 | 0.01 | 0 THRU 200 HP | 60 | A | B | 10,000 | 0.20 | | ☐ | | ☐ | ☐ | ☑ | 0.90 |
| S10 | 0.01 | 0 THRU 200 HP | 60 | S | B | 8,000 | 0.20 | | ☐ | | ☐ | ☐ | ☑ | 1.00 |
| S10 | 0.02 | OVER 200 HP | 60 | A | B | 13,000 | 0.25 | | ☐ | | ☐ | ☐ | ☑ | 0.95 |
| S10 | 0.02 | OVER 200 HP | 60 | S | B | 11,500 | 0.25 | | ☐ | | ☐ | ☐ | ☑ | 1.00 |
| S15 | 0.00 | SCRAPERS, CONVENTIONAL | 60 | A | B | 15,000 | 0.20 | | ☐ | | ☐ | ☐ | ☑ | 0.80 |
| S15 | 0.00 | SCRAPERS, CONVENTIONAL | 60 | S | B | 12,500 | 0.20 | | ☐ | | ☐ | ☐ | ☑ | 0.85 |
| S20 | 0.00 | SCRAPERS, TANDEM POWERED | 60 | A | B | 15,000 | 0.20 | | ☐ | | ☐ | ☐ | ☑ | 0.85 |
| S20 | 0.00 | SCRAPERS, TANDEM POWERED | 60 | S | B | 13,500 | 0.20 | | ☐ | | ☐ | ☐ | ☑ | 0.90 |
| S25 | 0.00 | SCRAPERS, TRACTOR DRAWN | 60 | A | B | 12,000 | 0.20 | | ☐ | | ☐ | ☐ | ☑ | 0.70 |
| S25 | 0.00 | SCRAPERS, TRACTOR DRAWN | 60 | S | B | 10,000 | 0.20 | | ☐ | | ☐ | ☐ | ☑ | 0.75 |
| T15 | 0.00 | TRACTORS, CRAWLER (DOZER) (includes blade) | 1 | | | | | | ☑ | | ☐ | ☐ | ☐ | |
| T15 | 0.01 | 0 THRU 225 HP | 70 | A | B | 10,000 | 0.30 | | ☑ | | ☐ | ☐ | ☐ | 1.10 |
| T15 | 0.01 | 0 THRU 225 HP | 70 | S | B | 8,000 | 0.30 | | ☑ | | ☐ | ☐ | ☐ | 1.25 |
| T15 | 0.02 | 226 HP THRU 425 HP | 70 | A | B | 12,500 | 0.25 | | ☑ | | ☐ | ☐ | ☐ | 1.20 |
| T15 | 0.02 | 226 HP THRU 425 HP | 70 | S | B | 10,500 | 0.25 | | ☑ | | ☐ | ☐ | ☐ | 1.25 |
| T15 | 0.03 | OVER 425 HP | 70 | A | B | 15,000 | 0.20 | | ☑ | | ☐ | ☐ | ☐ | 1.20 |
| T15 | 0.03 | OVER 425 HP | 70 | S | B | 12,500 | 0.20 | | ☑ | | ☐ | ☐ | ☐ | 1.35 |
| T20 | 0.00 | TRACTORS, WHEEL TYPE (DOZER) | 75 | A | B | 14,000 | 0.15 | | ☑ | | ☐ | ☐ | ☐ | 0.60 |
| T20 | 0.00 | TRACTORS, WHEEL TYPE (DOZER) | 75 | S | B | 13,000 | 0.15 | | ☑ | | ☐ | ☐ | ☐ | 0.65 |

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