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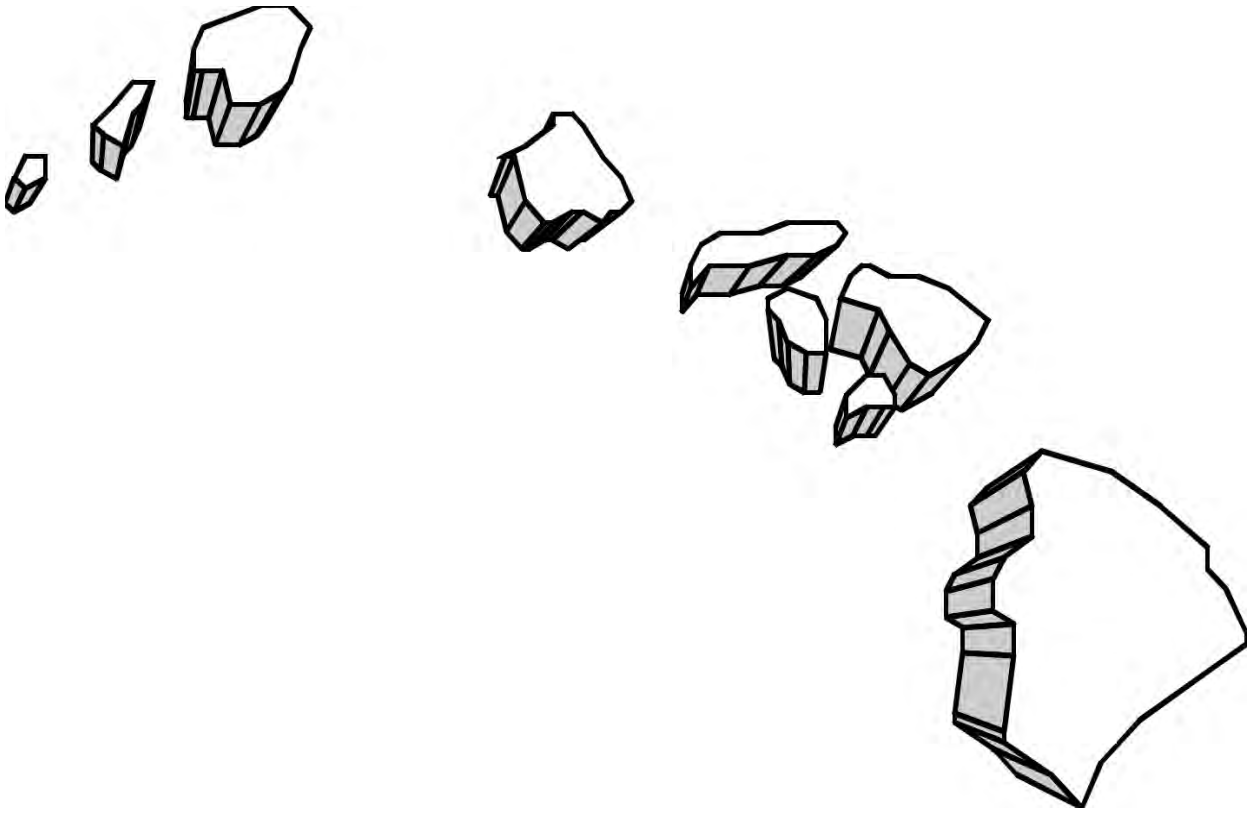
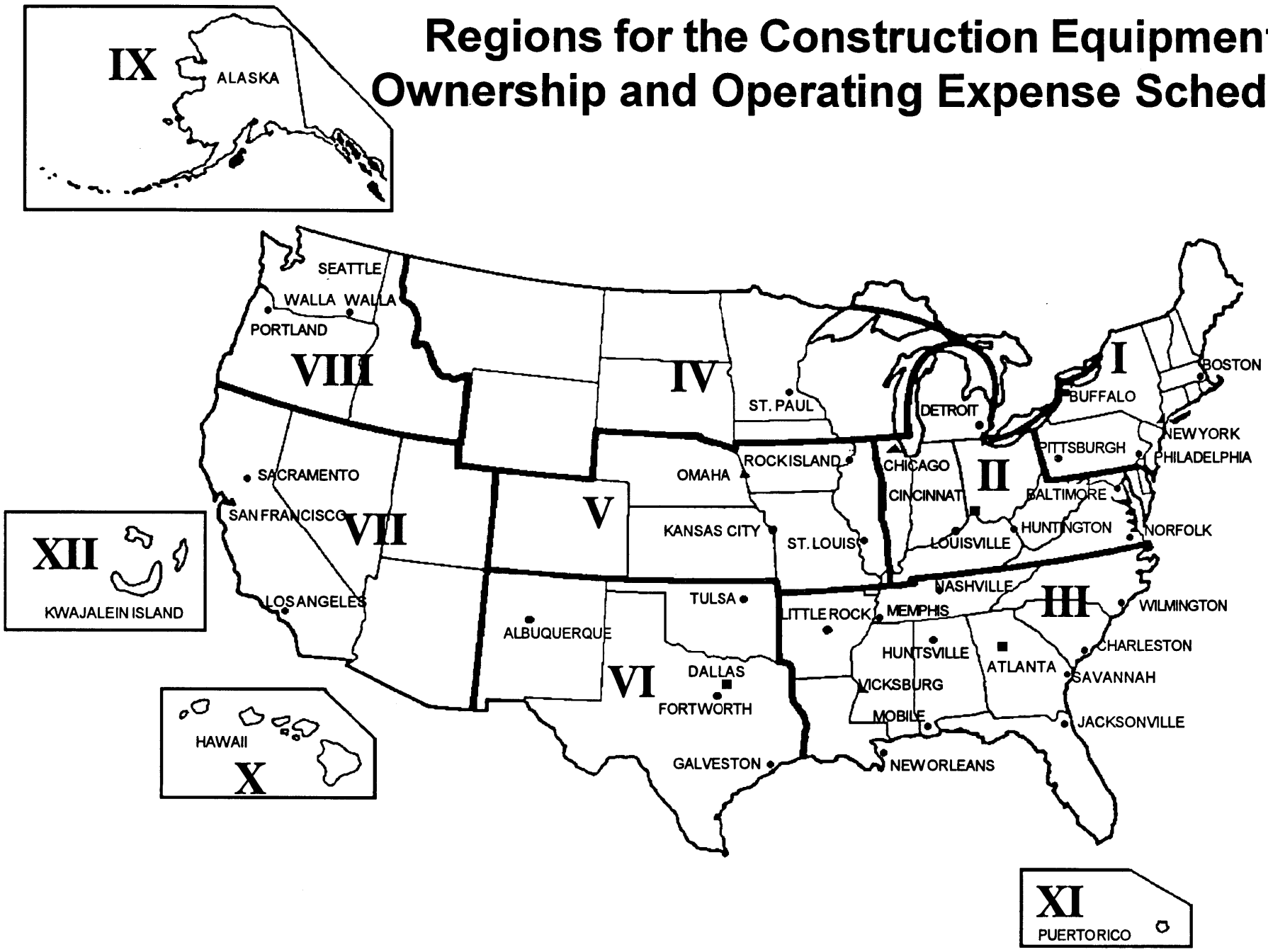
of Engineers ®

# Construction Equipment Ownership and Operating Expense Schedule

# Region X



# 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 dredges and attendant plant 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 X, which includes the following states:

Hawaii

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

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

FOR THE COMMANDER:

11 Appendixes
(See Table of Contents)

ROBERT CREAR
Colonel, Corps of Engineers
Chief of Staff

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This pamphlet supercedes EP 1110-1-8, dated 30 June 1999.

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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 equipment that is contractor-owned.

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 as defined in Federal Acquisition Regulation (FAR) Part 15.4, *Contract Pricing,* is not required.

(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. The CENWW-ED-C Internet homepage is at http://www.nww.usace.army.mil/cost.

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 at http://www.nww.usace.army.mil/cost.

## 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/su_docs.

# 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 1998 (3-years-old). List prices for equipment manufactured in years other than 1998 have been adjusted to 1998 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 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 and facilities capital cost of money.

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

It should also be noted that replacement cost is not included in the rates, as it is not an allowable item of cost per Federal Acquisition Regulation (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) Job site 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, that 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 the contract specifications, the site conditions, the basis of any supporting evidence, and the

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 (Appendix H), 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*, Primedia, Inc.,.

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 (hr) 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 2001 CMR (6.375% 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% to avoid duplication when applying estimated markups for overhead and profit. The discounted CMR is then 5.100%. 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:

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

Where:

(1) Average Value Factor (AVF) = [[(N-1) (1 + SLV)] + 2] / 2N

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

(3) Discounted CMR = 6.375% (Jan – Jun 2001 rate) / 1.25 = 5.100%

## SECTION VIII. OPERATING COST

2-22. Operating Cost Elements.

The total operating cost is the sum of the following five elements: fuel, FOG (filters, oil and grease), 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 engine's 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 job site efficiency. This pamphlet provides an estimated average HPF, not a specific factor.

(2) Pounds 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:

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

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. Filter, 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:

FOG Cost/hr = 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 Table 2-1 and Table 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) 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:

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

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

$$\text{RF} = \text{RCF} \times \text{EAF} \times \text{LAF}$$

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 repair cost factor 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 repair cost factor are shown in Appendix D under the column heading RCF and are expressed as decimal factors. These repair cost factors (for both the average and severe conditions) compensate for the following cost elements:

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

(2) Repair parts and supplies includes 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 repair and maintenance work, including tools.

(4) Supporting repair facilities includes 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:

Tire Repair Cost = Total Hourly Tire Wear Cost x 0.15 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 work week) plus one-half of the hourly depreciation. It is expressed as a formula, as follows:

Standby Rate/hr = (DEPR/hr x 0.50) + FCCM/hr

a. Paid standby shall not exceed 40 hours per week (7 calendar days) (based on a 40 hour work week) 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: C90LI007

a. Equipment Specification Data:

| | | | |
|---|---|---|---|
| (1) | Equipment Description: | CRANE, MECH, TRK MTD, 150T/280' BOOM | |
| (2) | Model and Series: | LINK-BELT HC-238H | |
| (3) | Present Year or Year of Use: | 2001 | |
| (4) | Year Manufactured: | 1998 | |
| (5) | Horsepower - Equipment: | 207.0 | |
| (6) | Horsepower - Carrier: | 430.0 | |
| (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): | 2,012 | |

(9) Tire size and number of tires: (Cost of tires based on present year - see 1.a.(3) and Appendix F)

| | | Size/Ply | No. | Unit Price | Cost |
|---|---|---|---|---|---|
| (a) | Front (FT): | 14-24 | 4 | $ 962.00 | $ 3,848 |
| (b) | Drive (DT): | 14-24 | 8 | $ 962.00 | $ 7,696 |
| (c) | Trailing (TT): | | | $ | $ |
| (d) | Total Tire Cost: | | | | $ 11,544 |

**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): Average or Severe | AVERAGE |
| (3) | Discount Code (DC): B = 7.5% (0.075) - or - S = 15.0% (0.15) | 0.075 |
| (4) | Life in Hours (LIFE): | 22,000 |
| (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) | Filter, 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): | |
| (10) | Repair Cost Factor (RCF): | 0.90 |

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

**2. EQUIPMENT VALUE**

a. List Price + Accessories: *[at Year (yr) of Manufacture]* =$ 1,092,518

(1) Discount: (List Price + Accessories) x (Discount Code)
[1.c.(3)]
($ 1,092,518 ) x ( 0.075 ) =-($ 81,939 )

(2) Subtotal [2.a.] - [2.a.(1)] Subtotal =$ 1,010,579

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

($ 1,010,579 ) x ( 0.060 ) =+$ 60,635

(4) Total Discounted Price: Subtotal: [2.a.(2)] + [2.a.(3)] Subtotal =$ 1,071,214

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

( 2,012 cwt) x ($ 11.53 /cwt) =+$ 23,198

**c. TOTAL EQUIPMENT VALUE (TEV):** **TOTAL [2.]: =$** 1,094,412
[(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]

( 22,000 hr) / ( 1,480 hr/yr) = 14.86 yr(N)

**4. OWNERSHIP COST**

a. Depreciation

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

( 2400 ) / ( 2449 ) = 0.98 (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)]

[($ 1,094,412 ) x [1.0 – ( 0.20 )] - [( 0.98 ) x ($ 11,544 )]] / ( 22,000 hr)

=$ 39.28 /hr



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

**4. OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

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

[[( 14.86 yr) - 1.0] x [1.0 + ( 0.20 )] + 2.0] / [2.0 x ( 14.86 yr)] = 0.627 (AVF)

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

($ 1,094,412 ) x ( 0.627 ) x ( 0.051 ) / ( 1,480 hr/yr)

=$ 23.65 /hr

c. **TOTAL HOURLY OWNERSHIP COST:** **TOTAL [4.]:** =$ 62.93 /hr
[4.a.(2)] + [4.b.(2)]

**5. OPERATING COST**

a. Fuel Costs:

(1) Equipment:

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

( 0.026 ) x ( 207 hp) x ($ 1.44 /gal) =$ 7.75 /hr

(2) Carrier:

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

( 0.005 ) x ( 430 hp) x ($ 2.00 /gal) =$ 4.30 /hr

(3) Total Hourly Fuel Cost: **Total [5.a.]** =$ 12.05 /hr
[(5.a (1)] + [5.a (2)]

b. FOG Cost:

(1) Equipment:

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

( 0.276 ) x ($ 7.75 /hr) x ( 1.23 ) =$ 2.63 /hr



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

**5. OPERATING COST (Continued)**

(2) Carrier:

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

( 0.276 ) x ($ 4.30 /hr) x ( 1.23 ) =$ 1.46 /hr

(3) Total Hourly FOG Cost: **Total [5.b.]** =$ 4.09 /hr
[(5.b.(1)] + [5.b.(2)]

c. Alternative Fuel/FOG Cost: **Total [5.c.]** =$ 0 /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 1a.(3)) [Appendix E] / (Economic Index for Year 1a.(4)) [Appendix E]

( 5480 ) / ( 5225 ) = 1.049 (EAF)

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

(2) Repair Factor (RF):

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

( 0.90 ) x ( 1.049 ) x ( 1.23 ) = 1.160 (RF)

(3) Repair Cost

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

[($ 1,094,412 ) - [( 0.98 ) x ($ 11,544 )]] x ( 1.160 ) / ( 22,000 )

(4) Total Hourly Repair Cost: **Total [5.d.]** =$ 57.16 /hr



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

**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 F ]

[1.5 x ($ 3,848 )] / [1.8 x ( 0.97 ) x ( 2,800 hr)]

=$ 1.18 /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 F]

[1.5 x ($ 7,696 )] / [1.8 x ( 0.78 ) x ( 2,800 hr)]

=$ 2.94 /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 F]

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

=$ 0 /hr

(4) Total Tire Wear Cost: **Total [5.e.]** =$ 4.12 /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]

($ 4.12 /hr x 0.15 x ( 1.23 ) **Total [5.f.]** =$ 0.76 /hr

**g. TOTAL HOURLY OPERATING COST:** **TOTAL [5.]: =$** 78.18 **/hr**
[Sum 5.a. through 5.f.]

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

**6. HOURLY RATES**

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

(Ownership Cost) [4.c.] + (Operating Cost) [5.g.]

($ 62.93 /hr) + ($ 78.18 /hr) =$ 141.11 /hr

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

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

[($ 39.28 /hr) + [($ 23.65 /hr) x (40 hr/wk) / ( 60 hr/wk)] + ($ 78.18 /hr)]

=$ 133.23 /hr

c. Standby Hourly Rate:

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

[($ 39.28 /hr) x 0.50] + ($ 23.65 /hr) =$ 43.29 /hr

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

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

## TABLE 2-1

## HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

EXPLANATION OF TABLE HEADINGS

Example unit of equipment: Link Belt, Model HC-238H, 150 Ton, 280-boom.

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

**ID No.**: C90AM001 is the unique identification number for the above American Crane. AM equals the manufacturer (see Appendix H). 001 equals the numeric order of this unit of equipment within the manufacturer's listing.

**MODEL**: 5530 is the equipment model number.

**EQUIPMENT DESCRIPTION**: Specific information for each particular unit of equipment is described, such as "75 ton with a 170-foot boom" for the American Crane.

**ENGINE HORSEPOWER & FUEL TYPE.** The amount of horsepower and type of fuel used is stated for the main and carrier engines. The American Crane carrier has a 238-horsepower engine, and the crane has a 128-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 1998.

**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 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A10** | **AGGREGATE / CHIP SPREADERS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **SELF-PROPELLED** | | | | | | | | | |
| | | | **E.D. ETNYRE & COMPANY** | | | | | | | | | |
| | A10ET001 | | 10.0' WIDE HOPPER, MECHANICAL DRIVE | 148 HP D-off | | $91,109 | 32.53 | 6.64 | 9.04 | 2.12 | 7.67 | 165 |
| | A10ET002 | | 13.0' WIDE HOPPER, MECHANICAL DRIVE | 185 HP D-off | | $95,072 | 36.03 | 6.93 | 9.44 | 2.21 | 9.59 | 170 |
| | A10ET003 | | 10.0' WIDE HOPPER, HYDROSTATIC DRIVE SELF PROPELLED | 148 HP D-off | | $98,219 | 34.27 | 7.16 | 9.75 | 2.28 | 7.67 | 165 |
| | A10ET004 | | 13.0' WIDE HOPPER, HYDROSTATIC DRIVE SELF PROPELLED | 185 HP D-off | | $99,658 | 37.14 | 7.26 | 9.89 | 2.31 | 9.59 | 170 |
| | | | **ROSCO MANUFACTURING COMPANY** | | | | | | | | | |
| | A10RS001 | SPR-H | 13.5' WIDE HOPPER, MECHANICAL | 152 HP D-off | | $87,273 | 31.86 | 6.34 | 8.61 | 2.03 | 7.88 | 156 |
| | A10RS002 | SPRH-H | 13.5' WIDE HOPPER, MECHANICAL | 152 HP D-off | | $104,341 | 36.07 | 7.58 | 10.32 | 2.42 | 7.88 | 156 |
| | **SUBCATEGORY 0.20** | | **TOWED & TAILGATE** | | | | | | | | | |
| | | | **AMERICAN ROAD MACHINERY** | | | | | | | | | |
| | A10AR001 | TG-505C | 8.0' WIDE TAILGATE SPREADER (ADD DUMP TRUCK) | | | $3,703 | 1.07 | 0.34 | 0.49 | 0.09 | 0.00 | 5 |
| | A10AR002 | ODELL 900 | 8.0' WIDE SPREADER, TOWED, ASPHALT & AGGREGATE SPREADING 8" (ADD DUMP TRUCK) | | | $9,357 | 2.71 | 0.86 | 1.25 | 0.23 | 0.00 | 22 |
| **A15** | **AIR COMPRESSORS, PORTABLE** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **ROTARY SCREW** | | | | | | | | | |
| | | | **SULLAIR** | | | | | | | | | |
| | A15SR003 | 100 | 100 CFM QUIET, 100 PSI (ADD HOSE) | 49 HP D-off | | $14,162 | 6.53 | 0.89 | 1.13 | 0.32 | 2.75 | 23 |
| | A15SR004 | 185 | 185 CFM QUIET, 100 PSI (ADD HOSE) | 78 HP D-off | | $16,528 | 9.23 | 1.04 | 1.32 | 0.38 | 4.38 | 24 |
| | A15SR005 | 250 | 250 CFM QUIET, 100 PSI (ADD HOSE) | 80 HP D-off | | $21,286 | 10.31 | 1.33 | 1.70 | 0.48 | 4.49 | 26 |
| | A15SR001 | 750XH | 720 CFM QUIET, 300 PSI (ADD HOSE) | 300 HP D-off | | $108,403 | 44.34 | 6.77 | 8.61 | 2.46 | 16.85 | 105 |
| | A15SR002 | 900XH | 900 CFM QUIET, 350 PSI (ADD HOSE) | 440 HP D-off | | $133,099 | 59.93 | 8.30 | 10.56 | 3.02 | 24.71 | 157 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | A15XX001 | | 100 CFM QUIET, 100 PSI (ADD HOSE) | 50 HP | G | | $13,489 | 12.76 | 0.84 | 1.06 | 0.31 | 7.13 | 20 |
| | A15XX002 | | 100 CFM QUIET, 100 PSI (ADD HOSE) | 35 HP | D-off | | $14,351 | 5.52 | 0.90 | 1.13 | 0.33 | 1.97 | 17 |
| | A15XX004 | | 125 CFM QUIET, 100 PSI (ADD HOSE) | 49 HP | D-off | | $15,145 | 6.73 | 0.94 | 1.19 | 0.34 | 2.75 | 17 |
| | A15XX006 | | 175 CFM QUIET, 100 PSI (ADD HOSE) | 57 HP | D-off | | $20,007 | 8.30 | 1.24 | 1.58 | 0.45 | 3.20 | 19 |
| | A15XX008 | | 185 CFM QUIET, 100 PSI (ADD HOSE) | 80 HP | D-off | | $21,231 | 10.31 | 1.32 | 1.68 | 0.48 | 4.49 | 21 |
| | A15XX009 | | 250 CFM QUIET, 100 PSI (ADD HOSE) | 80 HP | D-off | | $31,766 | 12.39 | 1.98 | 2.52 | 0.72 | 4.49 | 30 |
| | A15XX010 | | 375 CFM QUIET, 100 PSI (ADD HOSE) | 115 HP | D-off | | $41,034 | 16.92 | 2.53 | 3.20 | 0.93 | 6.46 | 35 |
| | A15XX011 | | 450 CFM QUIET, 100 PSI (ADD HOSE) | 174 HP | D-off | | $51,647 | 23.52 | 3.20 | 4.05 | 1.17 | 9.77 | 43 |
| | A15XX012 | | 600 CFM QUIET, 100 PSI (ADD HOSE) | 225 HP | D-off | | $73,575 | 31.74 | 4.57 | 5.80 | 1.67 | 12.64 | 69 |
| | A15XX013 | | 750 CFM QUIET, 100 PSI (ADD HOSE) | 240 HP | D-off | | $79,845 | 34.12 | 4.96 | 6.30 | 1.81 | 13.48 | 72 |
| | A15XX014 | | 900 CFM QUIET, 100 PSI (ADD HOSE) | 315 HP | D-off | | $87,453 | 41.38 | 5.45 | 6.91 | 1.99 | 17.69 | 101 |
| | A15XX015 | | 1200 CFM QUIET, 100 PSI (ADD HOSE) | 350 HP | D-off | | $133,484 | 53.12 | 8.33 | 10.59 | 3.03 | 19.66 | 158 |
| | A15XX016 | | 1400 CFM QUIET, 100 PSI (ADD HOSE) | 435 HP | D-off | | $144,617 | 61.83 | 9.01 | 11.46 | 3.28 | 24.43 | 158 |
| | A15XX017 | | 1600 CFM QUIET, 100 PSI (ADD HOSE) | 435 HP | D-off | | $145,701 | 62.04 | 9.08 | 11.54 | 3.31 | 24.43 | 158 |
| | A15XX018 | | 1900 CFM QUIET, 100 PSI (ADD HOSE) | 525 HP | D-off | | $131,175 | 66.08 | 8.17 | 10.38 | 2.98 | 29.48 | 164 |
| | **SUBCATEGORY 0.20** | | **SHOP TYPE** | | | | | | | | | | |
| | | | **MCMASTER** | | | | | | | | | | |
| | A15MG099 | 4309K69 | 115V, 20 GALLON, PORTABLE, MAX 110 PSI | 5 HP | E | | $587 | 0.93 | 0.03 | 0.04 | 0.01 | 0.53 | 1 |
| **A20** | **AIR HOSE, TOOLS & EQUIPMENT** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **AIR HOSE** | | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | A20XX001 | HARDROCK | 0.75" DIA., 100' LONG | | | | $143 | 0.12 | 0.02 | 0.04 | 0.00 | 0.00 | 1 |
| | A20XX002 | HARDROCK | 1.00" DIA., 100' LONG | | | | $443 | 0.37 | 0.07 | 0.12 | 0.01 | 0.00 | 1 |
| | A20XX003 | HARDROCK | 1.25" DIA., 100' LONG | | | | $571 | 0.47 | 0.09 | 0.15 | 0.01 | 0.00 | 1 |
| | A20XX004 | HARDROCK | 1.50" DIA., 100' LONG | | | | $685 | 0.58 | 0.12 | 0.19 | 0.02 | 0.00 | 1 |
| | A20XX005 | HARDROCK | 2.00" DIA., 100' LONG | | | | $838 | 0.70 | 0.14 | 0.23 | 0.02 | 0.00 | 1 |
| | A20XX006 | HARDROCK | 2.50" DIA., 100' LONG | | | | $1,222 | 1.02 | 0.20 | 0.33 | 0.03 | 0.00 | 1 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A20* | | | ***NO SPECIFIC MANUFACTURER (continued)*** | | | | | | | | | |
| | A20XX007 | HARDROCK | 3.00" DIA., 100' LONG | | | $1,494 | 1.25 | 0.25 | 0.41 | 0.04 | 0.00 | 1 |
| | A20XX008 | HARDROCK | 4.00" DIA., 100' LONG | | | $2,284 | 1.91 | 0.37 | 0.62 | 0.06 | 0.00 | 2 |
| | A20XX009 | YELLOW-LINE | 0.75" DIA., 100' LONG | | | $252 | 0.22 | 0.05 | 0.07 | 0.01 | 0.00 | 1 |
| | A20XX010 | YELLOW-LINE | 1.00" DIA., 100' LONG | | | $307 | 0.25 | 0.05 | 0.08 | 0.01 | 0.00 | 1 |
| | A20XX011 | YELLOW-LINE | 1.25" DIA., 100' LONG | | | $422 | 0.35 | 0.07 | 0.11 | 0.01 | 0.00 | 1 |
| | A20XX012 | YELLOW-LINE | 1.50" DIA., 100' LONG | | | $479 | 0.40 | 0.08 | 0.13 | 0.01 | 0.00 | 1 |
| | A20XX013 | YELLOW-LINE | 2.00" DIA., 100' LONG | | | $569 | 0.47 | 0.09 | 0.15 | 0.01 | 0.00 | 1 |
| | A20XX014 | YELLOW-LINE | 2.50" DIA., 100' LONG | | | $924 | 0.77 | 0.15 | 0.25 | 0.02 | 0.00 | 1 |
| | A20XX015 | YELLOW-LINE | 3.00" DIA., 100' LONG | | | $1,028 | 0.86 | 0.17 | 0.28 | 0.03 | 0.00 | 1 |
| | A20XX016 | YELLOW-LINE | 4.00" DIA., 100' LONG | | | $1,464 | 1.23 | 0.24 | 0.40 | 0.04 | 0.00 | 1 |
| | **SUBCATEGORY 0.20** | | **SANDBLAST HOSE** | | | | | | | | | |
| | | | **CLEMCO INDUSTRIES CORPORATION** | | | | | | | | | |
| | A20CM017 | | 0.75" ID, 4 PLY, 100' LONG, 150 PSI | | | $508 | 0.45 | 0.08 | 0.14 | 0.01 | 0.00 | 1 |
| | A20CM018 | | 1.00" ID, 4 PLY, 100' LONG, 150 PSI | | | $668 | 0.59 | 0.11 | 0.18 | 0.02 | 0.00 | 1 |
| | A20CM019 | | 1.50" ID, 4 PLY, 100' LONG, 150 PSI | | | $823 | 0.73 | 0.13 | 0.22 | 0.02 | 0.00 | 1 |
| | A20CM020 | | 1.25" ID, 4 PLY, 100' LONG, 150 PSI | | | $727 | 0.65 | 0.12 | 0.20 | 0.02 | 0.00 | 1 |
| | **SUBCATEGORY 0.30** | | **SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS** | | | | | | | | | |
| | | | **CHICAGO PNEUMATICS TOOL CO.** | | | | | | | | | |
| | A20CK002 | CP-0009F | ROTARY / CHIP HAMMER, 8 LB (ADD COMPR) | 20 CFM A | | $937 | 0.45 | 0.09 | 0.14 | 0.02 | 0.00 | 1 |
| | A20CK001 | CP-0014RR | ROTARY / CHIP HAMMER, 15 LB (ADD COMPR) | 32 CFM A | | $1,689 | 0.82 | 0.17 | 0.25 | 0.04 | 0.00 | 1 |
| | A20CK003 | CP-0022 | ROCK DRILL / SINKER DRILL, 30 LB (ADD COMPR) | 56 CFM A | | $1,853 | 0.90 | 0.18 | 0.28 | 0.04 | 0.00 | 1 |
| | A20CK004 | CP-0032A-1 | ROCK DRILL / SINKER DRILL, 45 LB (ADD COMPR) | 103 CFM A | | $2,007 | 0.98 | 0.20 | 0.30 | 0.05 | 0.00 | 1 |
| | A20CK005 | CP-0069 | ROCK DRILL / SINKER DRILL, 55 LB (ADD COMPR) | 130 CFM A | | $2,199 | 1.07 | 0.22 | 0.33 | 0.05 | 0.00 | 1 |
| | A20CK006 | CP-0111-THLA | BREAKERS, FOUR BOLT, 25 LB (ADD COMPR) | 45 CFM A | | $1,320 | 0.64 | 0.13 | 0.20 | 0.03 | 0.00 | 1 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A20* | | | ***CHICAGO PNEUMATICS TOOL CO. (continued)*** | | | | | | | | | |
| | A20CK007 | CP-1210-S | BREAKERS, FOUR BOLT, 35 LB (ADD COMPR) | 48 CFM A | | $1,236 | 0.61 | 0.13 | 0.19 | 0.03 | 0.00 | 1 |
| | A20CK008 | CP-1230-S1.25 | BREAKERS, FOUR BOLT, 60 LB (ADD COMPR) | 63 CFM A | | $1,357 | 0.66 | 0.13 | 0.20 | 0.03 | 0.00 | 1 |
| | A20CK009 | CP-1240-S1.12 | BREAKERS, FOUR BOLT, 80 LB (ADD COMPR) | 81 CFM A | | $1,496 | 0.72 | 0.14 | 0.22 | 0.03 | 0.00 | 1 |
| | A20CK010 | CP-1240-S1.25 | BREAKERS, FOUR BOLT, 90 LB (ADD COMPR) | 81 CFM A | | $1,496 | 0.72 | 0.14 | 0.22 | 0.03 | 0.00 | 1 |
| | | | **CLEMCO INDUSTRIES CORPORATION** | | | | | | | | | |
| | A20CM010 | PACKAGE TWO | SANDBLASTER, 2 CF CAP, W/ 0.50" X 25' HOSE & ACCESSORIES (ADD COMPR & NOZZLE) | | | $3,223 | 1.62 | 0.31 | 0.48 | 0.07 | 0.00 | 4 |
| | A20CM011 | PACKAGE FOUR | SANDBLASTER, 4 CF CAP, W/ 1.00" X 25' HOSE & ACCESSORIES (ADD COMPR & NOZZLE) | | | $3,594 | 1.81 | 0.35 | 0.54 | 0.08 | 0.00 | 5 |
| | A20CM012 | PACKAGE SIX | SANDBLASTER, 6 CF CAP, W/ 1.25" X 25' HOSE & ACCESSORIES (ADD COMPR & NOZZLE) | | | $3,914 | 2.04 | 0.39 | 0.59 | 0.09 | 0.00 | 6 |
| | A20CM013 | | SANDBLASTER, 60 CF CAP, W/1.25"D X 50'L HOSE & NOZZLE,TRAILER MTD(ADD COMPRESSOR | | | $16,675 | 8.21 | 1.58 | 2.39 | 0.38 | 0.00 | 30 |
| | A20CM014 | | SANDBLASTER,120 CF CAP, W/1.25"D X 50'L HOSE & NOZZLE,TRAILER MTD(ADD COMPRESSOR | | | $19,725 | 9.63 | 1.81 | 2.72 | 0.45 | 0.00 | 35 |
| | A20CM015 | | SANDBLASTER,160 CF CAP, W/1.25"D W/50'L HOSE & NOZZLE,TRAILER MTD(ADD COMPRESSOR | | | $21,234 | 10.53 | 1.98 | 3.00 | 0.48 | 0.00 | 45 |
| | A20CM016 | | STORAGE HOPPER, 700 CUBIC FOOT CAP., 8'DEEP,10'WIDE &23'HIGH,ABRASIVE STORAGE | | | $14,034 | 7.13 | 1.38 | 2.11 | 0.32 | 0.00 | 69 |
| | A20CM009 | | STORAGE HOPPER, 700 CUBIC FOOT CAP., 35-TON SAND BULK ABRASIVE STORAGE | | | $14,034 | 7.13 | 1.38 | 2.11 | 0.32 | 0.00 | 69 |
| | | | **WACKER CORPORATION** | | | | | | | | | |
| | A20WC002 | EHB 10/110 | BREAKER/DRILL, 40 LB (ADD GENERATOR) | 2 HP E | | $1,410 | 1.11 | 0.14 | 0.21 | 0.03 | 0.18 | 1 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A20* | | | ***WACKER CORPORATION (continued)*** | | | | | | | | | |
| | A20WC004 | BHF 30S | BREAKER/DRIVER, 85 LB (W/POWER UNIT) | 4 HP G | | $3,835 | 2.56 | 0.38 | 0.58 | 0.09 | 0.49 | 1 |
| **A25** | **ASPHALT PAVING DISTRIBUTORS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ASPHALT PAVING DISTRIBUTORS** | | | | | | | | | |
| | | | **ROSCO MANUFACTURING COMPANY** | | | | | | | | | |
| | A25RS002 | MAXIMIZER 11 | 1,100 GAL (FOR TRUCK MTG) HYDROSTATIC (ADD 18,000 - 24,000 GVW TRUCK) | | | $47,028 | 18.38 | 4.60 | 7.05 | 1.07 | 0.00 | 60 |
| | A25RS004 | MAXIMIZER 11 | 1,600 GAL (FOR TRUCK MTG) HYDROSTATIC (ADD 24,000 - 32,000 GVW TRUCK) | | | $51,156 | 18.37 | 5.01 | 7.67 | 1.17 | 0.00 | 67 |
| | A25RS006 | MAXIMIZER 11 | 2,000 GAL (FOR TRUCK MTG) HYDROSTATIC (ADD 32,000 GVW TRUCK) | | | $51,976 | 18.66 | 5.08 | 7.80 | 1.18 | 0.00 | 70 |
| | A25RS008 | MAXIMIZER 11 | 3,600 GAL (FOR TRUCK MTG) HYDROSTATIC (ADD 42,000 GVW TRUCK) | | | $59,616 | 23.21 | 5.83 | 8.94 | 1.36 | 0.00 | 97 |
| **A30** | **ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **SELF PROPELLED** | | | | | | | | | |
| | | | **BARBER-GREENE COMPANY** | | | | | | | | | |
| | A30BG007 | BG230 | 8' SPW (WITH 15'6" SCREED EXTENSION) WHEEL TYPE | 107 HP D-off | | $207,901 | 69.96 | 15.56 | 21.74 | 4.69 | 5.55 | 347 |
| | A30BG002 | BG240B | 10' SPW (WITH 19' 6" SCREED EXTENSION) WHEEL TYPE | 115 HP D-off | | $267,619 | 88.29 | 19.80 | 27.54 | 6.03 | 5.96 | 290 |
| | A30BG003 | BG260B | 10' SPW (WITH 19' 6" SCREED EXTENSION) WHEEL TYPE | 155 HP D-off | | $288,905 | 97.50 | 21.38 | 29.73 | 6.51 | 8.04 | 323 |
| | A30BG004 | BG225B | 8' SPW (WITH 15' 6" SCREED EXTENSION) CRAWLER | 107 HP D-off | | $256,749 | 84.35 | 19.43 | 27.28 | 5.79 | 5.55 | 322 |
| | A30BG005 | BG245B | 10' SPW (WITH 19' 6" SCREED EXTENSION) CRAWLER | 155 HP D-off | | $304,615 | 101.78 | 23.05 | 32.37 | 6.86 | 8.04 | 366 |
| | A30BG006 | BG265B | 10' SPW (WITH 19' 6" SCREED EXTENSION) CRAWLER | 200 HP D-off | | $327,772 | 111.76 | 24.81 | 34.83 | 7.39 | 10.37 | 417 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **BLAW-KNOX CONSTRUCTION EQUIPMENT** | | | | | | | | | |
| | A30BK010 | PF-150 | 8' SPW, WHEEL TYPE | 47 HP D-off | | $124,389 | 39.99 | 9.27 | 12.94 | 2.80 | 2.44 | 153 |
| | A30BK011 | PF-161 | 8' SPW, WHEEL TYPE | 105 HP D-off | | $183,408 | 61.37 | 13.68 | 19.10 | 4.13 | 5.44 | 211 |
| | A30BK012 | PF-171A | 8' SPW, WHEEL TYPE | 108 HP D-off | | $210,988 | 69.85 | 15.72 | 21.94 | 4.75 | 5.60 | 257 |
| | A30BK013 | PF-3172 | 10' SPW, WHEEL TYPE | 145 HP D-off | | $222,562 | 75.88 | 16.61 | 23.17 | 5.02 | 7.52 | 299 |
| | A30BK014 | PF-3180 | 10' SPW, WHEEL TYPE | 169 HP D-off | | $252,522 | 86.39 | 18.80 | 26.22 | 5.69 | 8.76 | 338 |
| | A30BK015 | PF-3200 | 10' SPW, WHEEL TYPE | 184 HP D-off | | $257,632 | 88.95 | 19.19 | 26.76 | 5.81 | 9.54 | 340 |
| | A30BK016 | PF-410 | 8' SPW, TRACK MOUNTED | 100 HP D-off | | $225,264 | 73.11 | 17.05 | 23.93 | 5.08 | 5.18 | 223 |
| | A30BK017 | PF-5500 | 10' SPW, TRACK MOUNTED | 169 HP D-off | | $273,056 | 92.00 | 20.66 | 29.01 | 6.15 | 8.76 | 340 |
| | A30BK018 | PF-5510 | 10' SPW, TRACK MOUNTED | 184 HP D-off | | $277,543 | 94.38 | 21.00 | 29.49 | 6.25 | 9.54 | 320 |
| | A30BK021 | TITAN 325 EPM | ASPHALT PAVER, 32.8'W, TRACK MTD W/ DUAL TAMPER SCREED | 171 HP D-off | | $547,754 | 172.67 | 41.44 | 58.20 | 12.34 | 8.86 | 399 |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | A30CA001 | AP-200B | 3'- 12' WIDE, SP CRAWLER MOUNTED HOPPER | 35 HP D-off | | $53,609 | 18.19 | 4.06 | 5.70 | 1.21 | 1.81 | 96 |
| | A30CA002 | AP-800C | 10' WIDE, PAVEMASTER, PNEUMATIC, 195 CF HOPPER , SP WHEEL | 107 HP D-off | | $236,185 | 77.10 | 17.64 | 24.63 | 5.32 | 5.55 | 318 |
| | A30CA008 | AP-1000B | 10' TO 12' WIDE, PNEUMATIC, 215CF HOPPER SP WHEEL MOUNTED | 174 HP D-off | | $282,573 | 95.56 | 21.10 | 29.45 | 6.37 | 9.02 | 414 |
| | A30CA009 | AP-1050B | 10' TO 24' WIDE, PAVEMASTER, PNEUMATIC 215 CF HOPPER , SP CRAWLER MOUNTED | 175 HP D-off | | $344,694 | 113.43 | 26.08 | 36.62 | 7.77 | 9.07 | 443 |
| | **SUBCATEGORY 0.20** | | **TOWED** | | | | | | | | | |
| | | | **BLAW-KNOX CONSTRUCTION EQUIPMENT** | | | | | | | | | |
| | A30BK019 | RW 100 A | ROAD WIDENER, SHOULDER PAVING MACHINE W/BLADE | 105 HP D-off | | $177,086 | 43.75 | 11.01 | 13.97 | 4.02 | 4.99 | 245 |
| | A30BK020 | RW 195 D | ROAD WIDENER, SHOULDER PAVING MACHINE W/BLADE | 173 HP D-off | | $227,952 | 58.81 | 14.20 | 18.04 | 5.18 | 8.22 | 330 |
| | **SUBCATEGORY 0.30** | | **SLURRY SEAL PAVERS (COLD MIX)** | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | A30XX001 | MINIMAC | SLURRY SEAL PAVER, 8' WIDE | 110 HP D-off | | $128,626 | 26.17 | 7.09 | 8.41 | 2.88 | 4.91 | 130 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *A30* | | | *NO SPECIFIC MANUFACTURER (continued)* | | | | | | | | | |
| | A30XX002 | MACROPAVER 1 | SLURRY SEAL PAVER, 8' WIDE (ADD 40,000 GVW TRUCK) | 110 HP D-off | | $147,608 | 28.45 | 8.22 | 9.84 | 3.30 | 4.91 | 175 |
| | **SUBCATEGORY 0.40** | | **MISCELLANEOUS ROAD EQUIPMENT** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | A30CA007 | BG-650 | WINDROW ELEVATOR 60" WIDE (BELT LOADER) | 107 HP D-off | | $106,890 | 29.26 | 6.64 | 8.42 | 2.43 | 5.08 | 171 |
| **A35** | **ASPHALT PAVING KETTLES** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ASPHALT PAVING KETTLES** | | | | | | | | | |
| | | | **AEROIL PRODUCTS** | | | | | | | | | |
| | A35AE001 | KEB-80KE | 80 GALLON,BOTTOM FIRED, KETTLE,TRLR MTD | | | $8,876 | 4.88 | 0.78 | 1.14 | 0.21 | 0.00 | 9 |
| | A35AE002 | KEB-115KE | 115 GALLON,BOTTOM FIRED, KETTLE,TRLR MTD | | | $9,205 | 5.68 | 0.81 | 1.18 | 0.22 | 0.00 | 11 |
| | A35AE003 | KEB-170KE | 170 GALLON, KETTLE,W/PUMP &HOSE,TRLR MTD | | | $9,888 | 6.28 | 0.89 | 1.29 | 0.24 | 0.00 | 15 |
| | A35AE004 | KEB-260KE | 260 GALLON, KETTLE,W/PUMP &HOSE,TRLR MTD | | | $10,841 | 7.50 | 0.97 | 1.42 | 0.26 | 0.00 | 19 |
| | A35AE005 | KEB-360KE | 360 GALLON, KETTLE,W/PUMP &HOSE,TRLR MTD | | | $11,911 | 10.02 | 1.05 | 1.52 | 0.29 | 0.00 | 20 |
| **A40** | **ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | A40CA008 | PM-465 | COLD PLANER, CUT 75" WIDE X 10" DEEP | 500 HP D-off | | $429,693 | 210.95 | 39.00 | 57.29 | 10.35 | 36.00 | 505 |
| | A40CA009 | PM-565B | COLD PLANER, CUT 83" WIDE X 2"->12" DEEP | 625 HP D-off | | $630,618 | 298.91 | 57.23 | 84.08 | 15.19 | 45.00 | 735 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **CMI CORPORATION (INCLUDING BIDWELL & LOADKING)** | | | | | | | | | | | |
| | A40CW001 | PR-1050 | ASPHALT PROFILER,MAX 12.5'WX12"D | 1,030 HP D-off | | $743,102 | 381.07 | 67.44 | 99.08 | 17.90 | 74.16 | 1,065 |
| **A45** | **ASPHALT RECYCLERS & SEALERS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ASPHALT RECYCLERS & SEALERS** | | | | | | | | | |
| | | | **AEROIL PRODUCTS** | | | | | | | | | |
| | A45AE001 | HEPR-52V | RESURFACER-PATCHER, 600,000 BTU, 17.3 SF INFRA-RED HEATER, 4'WIDE,TRAILER MOUNTED | | | $7,926 | 10.39 | 0.81 | 1.21 | 0.20 | 0.00 | 11 |
| | A45AE002 | HEPR-96V | RESURFACER-PATCHER, 1,200,000 BTU, 32 SF INFRA-RED HEATER, 8'WIDE,TRAILER MOUNTED | | | $15,404 | 20.69 | 1.59 | 2.41 | 0.38 | 0.00 | 16 |
| | A45AE003 | HEPR-120V | RESURFACER-PATCHER, 1,420,000 BTU, 40 SF INFRA-RED HEATER,10'WIDE,TRAILER MOUNTED | | | $18,127 | 24.43 | 1.87 | 2.84 | 0.45 | 0.00 | 17 |
| | | | **SEALMASTER, INC.** | | | | | | | | | |
| | A45SE002 | SP200 DUAL | SEALCOATER, 108" SPRAY WIDTH, 200 GALLON DUAL SPRAY, SQUEEGEE | 20 HP G | | $20,997 | 13.59 | 2.19 | 3.34 | 0.52 | 2.47 | 28 |
| | A45SE003 | SP300 DUAL | SEALCOATER, 108" SPRAY WIDTH, 300 GALLON DUAL SPRAY, SQUEEGEE | 30 HP G | | $28,736 | 19.32 | 2.98 | 4.54 | 0.71 | 3.71 | 39 |
| | A45SE004 | TR-1000 | TANK TRAILER, 1000 GALLON CAPACITY | 16 HP G | | $16,723 | 10.24 | 1.69 | 2.56 | 0.41 | 1.98 | 52 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | A45XX001 | 400 HD | JOINT & CRACK FILLER, 400 GAL, TRL MTD | 23 HP D-off | | $42,832 | 19.40 | 4.42 | 6.72 | 1.06 | 1.09 | 55 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **B10** | **BATCH PLANTS (ASPHALT & CONCRETE)** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.20** | | **CONCRETE** | | | | | | | | | | |
| | | | **CEMEN TECH** | | | | | | | | | | |
| | B10CC007 | MCD2-50HT | CONCRETE DISPENSER /PLANT, 2 CY MAXIMUM 15 CY/HOUR OUTPUT; TRAILER MTD; 2 AGGREGATE BINS, 2 CY, FEEDS TO A METERING CONVEYOR; 1 CEMENT BIN, 1 CY TANK & METERING PUMP, COMPUTER CONTROLS | 18 HP | G | | $31,783 | 15.25 | 2.29 | 3.10 | 0.74 | 2.22 | 80 |
| | B10CC008 | MCD5-100H | CONCRETE DISPENSER /PLANT, 5 CY MAXIMUM 30 CY/HOUR OUTPUT; TRUCK MTD; 2 AGGREGATE BINS, 5.5 CY, FEEDS TO A METERING CONVEYOR; 1 CEMENT BIN, 1.9 CY TANK & METERING PUMP, COMPUTER CONTROLS | 163 HP | G | | $70,679 | 52.54 | 4.92 | 6.56 | 1.64 | 20.13 | 132 |
| | B10CC009 | MCD8-100H | CONCRETE DISPENSER /PLANT, 8 CY MAXIMUM 30 CY/HOUR OUTPUT; TRUCK MTD; 2 AGGREGATE BINS, 9.3 CY, FEEDS TO A METERING CONVEYOR; 1 CEMENT BIN, 3.1 CY TANK & METERING PUMP, COMPUTER CONTROLS | 200 HP | G | | $95,646 | 66.57 | 6.58 | 8.72 | 2.22 | 24.70 | 194 |
| | B10CC010 | MCD8-150H | CONCRETE DISPENSER /PLANT, 8 CY MAXIMUM 60 CY/HOUR OUTPUT; TRUCK MTD; 2 AGGREGATE BINS, 9.6 CY, FEEDS TO A METERING CONVEYOR; 1 CEMENT BIN, 3.1 CY TANK & METERING PUMP, COMPUTER CONTROLS | 200 HP | G | | $104,306 | 69.32 | 7.22 | 9.59 | 2.42 | 24.70 | 204 |
| | B10CC011 | HS-240 | BULK CEMENT SILO, 240 BARREL/ 38TON,HORZ HORIZONTAL | 20 HP | E | | $19,745 | 9.57 | 1.45 | 1.97 | 0.46 | 1.82 | 45 |
| | B10CC012 | | BULK CEMENT SILO, 210 BARREL 830CF,VERT | 18 HP | G | | $19,375 | 9.47 | 1.42 | 1.94 | 0.45 | 2.22 | 35 |
| | B10CC013 | | BULK CEMENT SIL0, 300 BARREL 1200CF,VERT | 18 HP | G | | $23,447 | 10.68 | 1.71 | 2.34 | 0.54 | 2.22 | 48 |
| | B10CC014 | | CEMENT LOADING AUGER, 6" DIA 19'LONG ADJUSTABLE TO DISCHARGE OF LENGTH 13' 6" DISCHARGE OF 13' 6" | 5 HP | E | | $6,062 | 2.98 | 0.45 | 0.61 | 0.14 | 0.46 | 10 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **CON-E-CO** | | | | | | | | | | |
| | B10CL001 | LO-PRO 10 | MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 200 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS AGGREGATE STORAGE 65 TON / 50 CY 30" W X 20' L CONVEYOR FEEDS TO A 1 BIN PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT | 60 HP | E | | $161,336 | 57.01 | 11.63 | 15.76 | 3.75 | 5.46 | 410 |
| | B10CL002 | LO-PRO 12 | MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 200 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS AGGREGATE STORAGE 65 TON / 50 CY 30" W X 20' L CONVEYOR FEEDS TO A 1 BIN PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT | 60 HP | E | | $168,561 | 59.07 | 12.15 | 16.48 | 3.91 | 5.46 | 425 |
| | B10CL005 | LO-PRO 10T-CM | MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 275 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS AGGREGATE STORAGE 65 TON / 50 CY 36" W X 20' L CONVEYOR FEEDS TO A 1 BIN PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT | 120 HP | E | | $165,078 | 66.74 | 11.89 | 16.11 | 3.83 | 10.92 | 410 |
| | B10CL006 | LO-PRO 12T-CM | MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 275 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS AGGREGATE STORAGE 65 TON / 50 CY 36" W X 20' L CONVEYOR FEEDS TO A 1 BIN PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT | 120 HP | E | | $199,029 | 76.52 | 14.38 | 19.51 | 4.62 | 10.92 | 426 |
| | B10CL015 | PLP MODEL 12 | MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 200 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS AGGREGATE STORAGE 81 TON / 60 CY GRAVITY FEEDS TO A 3BINS 12CY AGGREGATE PLANT FOLDS INTO 1 LEGAL HEIGHT & WIDTH | 30 HP | E | | $140,661 | 47.23 | 10.12 | 13.69 | 3.27 | 2.73 | 380 |
| | B10CL021 | VERSA-PLANT 10 | 1 BINS 10 CY AGGREGATE BATCHER, GRAVITY FEEDS TO A 30" WIDE X 40' LONG LOADING CONVEYOR; SCALES & WATER METER INCLUDED; ADD 5 KW GENERATOR, WATER TANK & WET & WIDTH TOWING TRAILIER WITHOUT A CRANE | 35 HP | E | | $75,177 | 26.67 | 5.42 | 7.34 | 1.75 | 3.19 | 190 |
| | B10CL024 | CON-E-CO 12 | 12 CY CONCRETE MIXER,TILT DRUM,11.67'DIA SKID MOUNTED, ADD CONCR DRY BATCH PLANT | 200 HP | E | | $210,190 | 89.33 | 15.39 | 21.02 | 4.88 | 18.20 | 90 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***B10*** | | | ***CON-E-CO (continued)*** | | | | | | | | | | |
| | B10CL025 | MTM 12 | 12 CY CONCRETE MIXER,TILT DRUM,11.67'DIA REMOVABLE AXLES, TRAILER MOUNTED | 200 HP | E | | $239,988 | 97.85 | 17.52 | 23.89 | 5.57 | 18.20 | 130 |
| | B10CL026 | | CEMENT STORAGE SILO, 1340 CF (335 BARREL MAX CAP / 278 MIN) WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE | | | | $18,342 | 5.27 | 1.35 | 1.83 | 0.43 | 0.00 | 100 |
| | B10CL027 | | CEMENT STORAGE SILO, 1910 CF (475 BARREL MAX CAP / 397 MIN) WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE | | | | $19,411 | 5.58 | 1.42 | 1.94 | 0.45 | 0.00 | 144 |
| | B10CL042 | | SCREW CONVEYOR, 6" DIA X 10' LONG, FOR CEMENT SILO (ATTACHMENT) | 5 HP | E | | $2,818 | 1.54 | 0.21 | 0.28 | 0.07 | 0.46 | 5 |
| | B10CL043 | | SCREW CONVEYOR, 6" DIA X 15' LONG, FOR CEMENT SILO (ATTACHMENT) | 8 HP | E | | $3,349 | 2.12 | 0.25 | 0.33 | 0.08 | 0.73 | 8 |
| | B10CL045 | | SCREW CONVEYOR, 6" DIA X 20' LONG, FOR CEMENT SILO (ATTACHMENT) | 10 HP | E | | $3,646 | 2.48 | 0.26 | 0.36 | 0.08 | 0.91 | 11 |
| | B10CL046 | | SCREW CONVEYOR, 6" DIA X 25' LONG, FOR CEMENT SILO (ATTACHMENT) | 10 HP | E | | $4,273 | 2.67 | 0.32 | 0.43 | 0.10 | 0.91 | 13 |
| | B10CL036 | | SCREW CONVEYOR, 9" DIA X 10' LONG, FOR CEMENT SILO (ATTACHMENT) | 8 HP | E | | $3,113 | 2.05 | 0.23 | 0.31 | 0.07 | 0.73 | 9 |
| | B10CL038 | | SCREW CONVEYOR, 9" DIA X 15' LONG, FOR CEMENT SILO (ATTACHMENT) | 15 HP | E | | $3,855 | 3.28 | 0.29 | 0.39 | 0.09 | 1.37 | 12 |
| | B10CL040 | | SCREW CONVEYOR, 9" DIA X 20' LONG, FOR CEMENT SILO (ATTACHMENT) | 20 HP | E | | $4,337 | 4.13 | 0.32 | 0.43 | 0.10 | 1.82 | 16 |
| | B10CL041 | | SCREW CONVEYOR, 9" DIA X 25' LONG, FOR CEMENT SILO (ATTACHMENT) | 20 HP | E | | $4,938 | 4.30 | 0.36 | 0.49 | 0.11 | 1.82 | 19 |
| | B10CL032 | | SCREW CONVEYOR, 12" DIA X 10' LONG, FOR CEMENT SILO (ATTACHMENT) | 10 HP | E | | $3,719 | 2.51 | 0.28 | 0.37 | 0.09 | 0.91 | 10 |
| | B10CL033 | | SCREW CONVEYOR, 12" DIA X 15' LONG, FOR CEMENT SILO (ATTACHMENT) | 15 HP | E | | $4,760 | 3.54 | 0.35 | 0.48 | 0.11 | 1.37 | 15 |
| | B10CL034 | | SCREW CONVEYOR, 12" DIA X 20' LONG, FOR CEMENT SILO (ATTACHMENT) | 20 HP | E | | $7,438 | 5.02 | 0.54 | 0.74 | 0.17 | 1.82 | 20 |
| | B10CL035 | | SCREW CONVEYOR, 12" DIA X 25' LONG, CEMENT SILO ATTACHMENT | 25 HP | E | | $8,386 | 6.03 | 0.61 | 0.84 | 0.19 | 2.28 | 25 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **EXCELL MACHINE INC.** | | | | | | | | | | |
| | B10EM001 | EXCEL PORT-A-P | MOBILE CONCRETE CONTINUOUS MIXER PLANT MAXIMUM 400 CY/HOUR OUTPUT; TRAILER MTD; 1 BINS AGGREGATE STORAGE, 12 CY GRAVITY FEEDS TO A 48" WIDE X 18' LONG 75' RADIAL CONVEYOR; PLANT IS A 1 LEGAL | 25 HP | G | | $365,342 | 111.90 | 26.40 | 35.81 | 8.49 | 3.09 | 590 |
| | B10EM002 | | BULK CEMENT SILO, 350 BARREL/ 55TON,HORZ | 20 HP | E | | $7,120 | 5.86 | 0.43 | 0.51 | 0.17 | 1.82 | 45 |
| | B10EM003 | | CEMENT STORAGE SILO, 2200 CF (550 BARREL MAX CAP / 450 MIN) WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE | | | | $24,622 | 7.08 | 1.80 | 2.46 | 0.57 | 0.00 | 222 |
| | | | **IDEAL MANUFACTURING** | | | | | | | | | | |
| | B10IE001 | FAST-WAY AGGR | 1 BINS 9 CY AGGREGATE BATCHER, GRAVITY FEEDS TO A 24" WIDE X 18 LONG LOADING CONVEYOR; SCALES & WATER METER INCLUDED; ADD 5 KW GENERATOR, WATER TANK & WET & WIDTH TOWING TRAILER WITHOUT A CRANE | 3 HP | E | | $38,322 | 12.96 | 2.77 | 3.76 | 0.89 | 0.27 | 64 |
| | B10IE002 | FAST-WAY CEME | 1 CEMENT SILO, 275 BARRELS / 50 TONS, GRAVITY FEEDS TO CEMENT DRY BATCHER CY; 4"DIA AIR FEEDS TO THE WET MIXER; SCALES INCLUDED; ADD 5 KW GENERATOR, & WET WIDTH TOWING TRAILER WITHOUT A CRANE | 5 HP | E | | $44,065 | 13.89 | 3.21 | 4.38 | 1.02 | 0.46 | 136 |
| | B10IE003 | FAST-WAY CEME | SCREW CONVEYOR, 6" DIA X 19'LONG, & A 4.5 CY HOPPER; ADD 3 KW GENERATOR; | 3 HP | E | | $6,038 | 2.65 | 0.43 | 0.57 | 0.14 | 0.27 | 10 |
| | | | **KOLBERG MANUFACTURING COMPANY** | | | | | | | | | | |
| | B10KB001 | 52 PORTABLE PU | PUGMILL (CONTINUOUS MIXER), 9 CY FEEDER HOPPER & 36"W X 11.5'L BELT FEEDER;TO A PUGMILL (PADDLE) 48" DIA TWIN SHAFT 6'L; DROP TO A 30"W X 27'L CONVEYOR; WATER GENERATOR, AND ANY MATERIALS FEEDS | 95 HP | E | | $119,840 | 48.19 | 8.68 | 11.79 | 2.78 | 8.65 | 190 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***B10*** | | | ***KOLBERG MANUFACTURING COMPANY (continued)*** | | | | | | | | | | |
| | B10KB002 | 52S PORTABLE P | PUGMILL (CONTINUOUS MIXER), 13 CY FEEDER HOPPER & 36"W X 11.5'L BELT FEEDER; 2ND 11 CY HOPPER & 36"WX11.5'L BELT FEEDER; TO A PUGMILL (PADDLE) 48" DIA TWIN SHAFT KW GENERATOR, AND ANY MATERIALS FEEDS | 220 HP | E | | $218,501 | 94.61 | 15.89 | 21.63 | 5.07 | 20.02 | 230 |
| | | | **ROSS COMPANY** | | | | | | | | | | |
| | B10RC007 | BANDIT 5 | MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 100 CY/HOUR OUTPUT; TRAILER MTD; 2BINS AGGREGATE STORAGE 22.5TON/ 16.7CY GRAVITY FEEDS TO A 2 BINS 5CY AGGREGATE PLANT FOLDS INTO 1 LEGAL HEIGHT & WIDTH | 15 HP | E | | $140,549 | 45.07 | 10.21 | 13.90 | 3.26 | 1.37 | 3,000 |
| | B10RC008 | BANDIT 12 BTR | MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 200 CY/HOUR OUTPUT; TRAILER MTD; 3 BINS AGGREGATE STORAGE 65 TON / 48 CY GRAVITY FEEDS TO A 3BINS 12CY AGGREGATE PLANT FOLDS INTO 1 LEGAL HEIGHT & WIDTH | 30 HP | E | | $142,107 | 47.69 | 10.33 | 14.06 | 3.30 | 2.73 | 250 |
| | B10RC032 | RUSTLER III | MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 160 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS AGGREGATE STORAGE 28 TON / 21 CY GRAVITY FEEDS TO A 2BINS 12CY AGGREGATE PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT | 50 HP | E | | $186,994 | 65.45 | 13.57 | 18.46 | 4.34 | 4.55 | 536 |
| | B10RC006 | RUSTLER II | MOBILE CONCRETE DRY BATCHING PLANT MAXIMUM 160 CY/HOUR OUTPUT; TRAILER MTD; 3 BINS AGGREGATE STORAGE 71 TON / 52 CY GRAVITY FEEDS TO A 3BINS 12CY AGGREGATE PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT | 46 HP | E | | $170,989 | 60.20 | 12.40 | 16.86 | 3.97 | 4.14 | 489 |
| | B10RC027 | | 4.5 CY CONCRETE MIXER, TILT DRUM TYPE SKID MOUNTED, ADD CONCR DRY BATCH PLANT | 40 HP | E | | $127,663 | 44.50 | 9.36 | 12.77 | 2.97 | 3.64 | 34 |
| | B10RC028 | | 6 CY CONCRETE MIXER, TILT DRUM TYPE SKID MOUNTED, ADD CONCR DRY BATCH PLANT | 60 HP | E | | $143,454 | 52.17 | 10.51 | 14.35 | 3.33 | 5.46 | 45 |
| | B10RC029 | | 8 CY CONCRETE MIXER, TILT DRUM TYPE SKID MOUNTED, ADD CONCR DRY BATCH PLANT | 80 HP | E | | $162,198 | 60.70 | 11.88 | 16.22 | 3.77 | 7.28 | 60 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***B10*** | | | ***ROSS COMPANY (continued)*** | | | | | | | | | | |
| | B10RC030 | | 10 CY CONCRETE MIXER, TILT DRUM TYPE SKID MOUNTED, ADD CONCR DRY BATCH PLANT | 100 HP | E | | $176,793 | 69.04 | 12.95 | 17.68 | 4.11 | 9.10 | 75 |
| | B10RC031 | | 12 CY CONCRETE MIXER, TILT DRUM TYPE SKID MOUNTED, ADD CONCR DRY BATCH PLANT | 120 HP | E | | $186,730 | 75.03 | 13.68 | 18.67 | 4.34 | 10.92 | 90 |
| | B10RC016 | MOBILE MIXER | 4.5 CY CONCRETE MIXER, TILT DRUM TYPE TRAILER MOUNTED, REVOLVING LIFT STAND, ADD CONCR DRY BATCH PLANT & POWER | 75 HP | E | | $208,922 | 76.38 | 15.18 | 20.65 | 4.85 | 6.83 | 420 |
| | | | **RAPID MIX** | | | | | | | | | | |
| | B10RK001 | RAPID 400 | MOBILE CONCRETE CONTINUOUS MIXER PLANT MAXIMUM 400 CY/HOUR OUTPUT;TRAILER MTD; 1 BIN AGG STORAGE, 23.5 CY GRAVITY FEEDS TO 48" WIDE X 16.2' LONG METERING PLANT FOLDS INTO TOWING TRAILER,NO CRANE | 180 HP | D-off | | $474,546 | 149.99 | 34.31 | 46.58 | 11.02 | 8.55 | 812 |
| | | | **STEPHENS MANUFACTURING COMPANY, INC.** | | | | | | | | | | |
| | B10SN031 | DC-12 | PORTABLE CONCRETE DRY BATCH PLANT, 12 CY MAXIMUM 100 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS 12CY AGGREGATE BATCHER GRAVITY FEEDS TO A 24" WIDE X 41' LONG TRANSFER TRANSPORTABLE UNITS,WITH HELP OF A CRANE | 15 HP | E | | $45,751 | 16.70 | 3.32 | 4.51 | 1.06 | 1.37 | 340 |
| | B10SN032 | MUSTANG 5 | MOBILE CONCRETE DRY BATCH PLANT, 6 CY MAXIMUM 160 CY/HOUR OUTPUT; TRAILER MTD; 3 BINS AGGREGATE STORAGE 29.6TON / 40CY GRAVITY FEEDS TO A 2BINS 5CY AGGREGATE PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT | 30 HP | E | | $103,225 | 35.63 | 7.32 | 9.84 | 2.40 | 2.73 | 420 |
| | B10SN035 | THOROUGH-BRE | MOBILE CONCRETE DRY BATCH PLANT, 10 CY MAXIMUM 180 CY/HOUR OUTPUT; TRAILER MTD; 4 BINS AGGREGATE STORAGE 65 TON / 48 CY GRAVITY FEEDS TO A 2BINS 12CY AGGREGATE PLANT FOLDS INTO 1 LEGAL HEIGHT & WIDTH | 20 HP | E | | $109,129 | 35.78 | 7.75 | 10.43 | 2.53 | 1.82 | 300 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***B10*** | | | ***STEPHENS MANUFACTURING COMPANY, INC. (continued)*** | | | | | | | | | | |
| | B10SN033 | DC COLT | MOBILE CONCRETE DRY BATCH PLANT, 12CY MAXIMUM 100 CY/HOUR OUTPUT; TRAILER MTD; 2 BINS 12CY AGGREGATE BATCHER GRAVITY FEEDS TO A 30" WIDE X 33.5'LONG TRANSFER TOWING TRAILER, WITH HELP OF A CRANE | 30 HP | E | | $86,794 | 30.66 | 6.13 | 8.21 | 2.02 | 2.73 | 340 |
| | B10SN034 | STALLION | MOBILE CONCRETE DRY BATCH PLANT, 12 CY MAXIMUM 160 CY/HOUR OUTPUT; TRAILER MTD; 3 BINS AGGREGATE STORAGE 65 TON / 48 CY GRAVITY FEEDS TO A 2BINS 10CY AGGREGATE PLANT FOLDS INTO 1 LEGAL HEIGHT & WIDTH | 20 HP | E | | $99,807 | 32.95 | 7.07 | 9.50 | 2.32 | 1.82 | 360 |
| | B10SN036 | MUSTANG 10 | MOBILE CONCRETE DRY BATCH PLANT, 12 CY MAXIMUM 160 CY/HOUR OUTPUT; TRAILER MTD; 3 BINS AGGREGATE STORAGE 75 TON / 55 CY GRAVITY FEEDS TO A 2BINS 10CY AGGREGATE PLANT RAISES/ LOWERS INTO 1 LEGAL HEIGHT | 45 HP | E | | $134,435 | 46.78 | 9.60 | 12.96 | 3.12 | 4.10 | 500 |
| **B15** | **BROOMS, STREET SWEEPERS & FLUSHERS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **BROOMS, STREET SWEEPERS & FLUSHERS** | | | | | | | | | | |
| | | | **M-B COMPANIES, INC.** | | | | | | | | | | |
| | B15MB001 | MT | SWEEPER, 7' W, HYDR LIFT, W/SPRINKLER (ADD 45-100 HP TRACTOR PTO DRIVE) | | | | $5,164 | 1.46 | 0.40 | 0.58 | 0.11 | 0.00 | 10 |
| | B15MB002 | HT | SWEEPER, 7' W, HYDR LIFT, W/SPRINKLER (ADD 45-100 HP TRACTOR PTO DRIVE), HVDTY | | | | $7,464 | 2.11 | 0.58 | 0.84 | 0.16 | 0.00 | 14 |
| | B15MB003 | 53T | SWEEPER, 7' W, HYDR LIFT, W/SPRINKLER MECH DRIVE, TOWED (ADD TOWING UNIT) | | | | $9,014 | 2.62 | 0.69 | 0.98 | 0.20 | 0.00 | 18 |
| | B15MB004 | 53MH | SWEEPER, 7' W, HYDR LIFT, W/SPRINKLER MOTOR DRIVEN, TOWED (ADD TOWING UNIT) | 18 HP | G | | $10,332 | 5.64 | 0.80 | 1.13 | 0.23 | 2.22 | 17 |
| | | | **ROSCO MANUFACTURING COMPANY** | | | | | | | | | | |
| | B15RS001 | RB-48 | STREET SWEEPER, 8' W, BRUSH, S/P | 76 HP | D-off | | $36,324 | 14.54 | 2.81 | 4.03 | 0.79 | 3.61 | 52 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***B15*** | | | ***ROSCO MANUFACTURING COMPANY (continued)*** | | | | | | | | | | |
| | B15RS002 | MTA-H | STREET FLUSHER, 1,700 GAL, TRK MTD (ADD 18,000 - 24,000 GVW TRUCK) | | | | $37,665 | 10.46 | 2.94 | 4.24 | 0.82 | 0.00 | 46 |
| | B15RS003 | MTA-H | STREET FLUSHER, 2,500 GAL, TRK MTD (ADD 24,000 - 32,000 GVW TRUCK) | | | | $41,356 | 11.53 | 3.23 | 4.65 | 0.90 | 0.00 | 60 |
| | B15RS004 | MTA-H | STREET FLUSHER, 3500 GAL, TRK MTD (ADD 42,000 GVW TRUCK) | | | | $47,959 | 13.38 | 3.75 | 5.40 | 1.05 | 0.00 | 65 |
| **B20** | **BRUSH CHIPPERS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **BRUSH CHIPPERS** | | | | | | | | | | |
| | | | **MORBARK INDUSTRIES, INC.** | | | | | | | | | | |
| | B20MQ001 | 2070 | 7" CHIPPER, DISC TYPE, TRLR MTD | 35 HP | G | | $12,654 | 9.67 | 0.98 | 1.40 | 0.28 | 4.32 | 21 |
| | B20MQ002 | 10 | 10" CHIPPER, DISC TYPE, TRLR MTD | 80 HP | D-off | | $20,669 | 10.98 | 1.60 | 2.30 | 0.45 | 3.80 | 44 |
| | B20MQ003 | 13 | 13" CHIPPER, DISC TYPE, TRLR MTD | 135 HP | G | | $22,245 | 29.86 | 1.73 | 2.47 | 0.49 | 16.67 | 56 |
| | B20MQ004 | 2400 | 17" CHIPPER, DISC TYPE, TRLR MTD | 175 HP | D-off | | $37,176 | 21.76 | 2.86 | 4.09 | 0.81 | 8.32 | 74 |
| | B20MQ005 | 22 RXL | 22" CHIPPER, DISC TYPE, TRLR MTD | 600 HP | D-off | | $315,325 | 128.81 | 24.51 | 35.26 | 6.88 | 28.51 | 720 |
| | | | **VERMEER MANUFACTURING COMPANY** | | | | | | | | | | |
| | B20VE003 | BC 625 | 6" CHIPPER, DISC TYPE, TRLR MTD | 22 HP | G | | $9,729 | 6.55 | 0.73 | 1.03 | 0.21 | 2.72 | 17 |
| | B20VE001 | BC 1600A | 6" CHIPPER, DRUM TYPE, TRLR MTD | 81 HP | D-off | | $20,463 | 11.00 | 1.59 | 2.28 | 0.45 | 3.85 | 46 |
| | B20VE004 | BC 935 | 9" CHIPPER, DISC TYPE, TRLR MTD | 50 HP | D-off | | $20,265 | 8.92 | 1.56 | 2.24 | 0.44 | 2.38 | 37 |
| | B20VE005 | BC 1250 | 12" CHIPPER, DISC TYPE, TRLR MTD | 81 HP | D-off | | $26,622 | 12.71 | 2.06 | 2.96 | 0.58 | 3.85 | 57 |
| | B20VE002 | BC 1250 | 12" CHIPPER, DISC TYPE, TRLR MTD, WITH AUTOFEED | 102 HP | D-off | | $24,770 | 13.56 | 1.92 | 2.75 | 0.54 | 4.85 | 51 |
| **B25** | **BUCKETS, CLAMSHELL** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **BUCKETS, CLAMSHELL** | | | | | | | | | | |
| | | | **GENSCO AMERICA COMPANY, LTD.** | | | | | | | | | | |
| | B25GE001 | | 10 CY BUCKET, HEAVY DUTY | | | | $85,729 | 20.99 | 6.69 | 9.64 | 1.87 | 0.00 | 230 |
| | B25GE002 | | 11 CY BUCKET, HEAVY DUTY | | | | $92,009 | 22.54 | 7.19 | 10.35 | 2.01 | 0.00 | 250 |
| | B25GE003 | | 12 CY BUCKET, HEAVY DUTY | | | | $98,565 | 24.14 | 7.70 | 11.09 | 2.15 | 0.00 | 267 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***B25*** | | | ***GENSCO AMERICA COMPANY, LTD. (continued)*** | | | | | | | | | |
| | B25GE004 | | 13 CY BUCKET, HEAVY DUTY | | | $109,268 | 26.76 | 8.53 | 12.29 | 2.38 | 0.00 | 284 |
| | B25GE005 | | 14 CY BUCKET, HEAVY DUTY | | | $119,950 | 29.38 | 9.37 | 13.49 | 2.62 | 0.00 | 300 |
| | B25GE006 | | 15 CY BUCKET, MEDIUM DUTY | | | $130,258 | 31.90 | 10.17 | 14.65 | 2.84 | 0.00 | 320 |
| | B25GE007 | | 16 CY BUCKET, MEDIUM DUTY | | | $140,900 | 34.51 | 11.00 | 15.85 | 3.07 | 0.00 | 335 |
| | B25GE008 | | 17 CY BUCKET, MEDIUM DUTY | | | $151,395 | 37.08 | 11.82 | 17.03 | 3.30 | 0.00 | 342 |
| | B25GE009 | | 18 CY BUCKET, MEDIUM DUTY | | | $162,129 | 39.72 | 12.66 | 18.24 | 3.54 | 0.00 | 362 |
| | B25GE010 | | 19 CY BUCKET, MEDIUM DUTY | | | $172,826 | 42.33 | 13.49 | 19.44 | 3.77 | 0.00 | 380 |
| | B25GE011 | | 20 CY BUCKET, MEDIUM DUTY | | | $178,374 | 43.69 | 13.93 | 20.07 | 3.89 | 0.00 | 400 |
| | | | **HAWCO MANUFACTURING COMPANY** | | | | | | | | | |
| | B25HB001 | HD-050 | 0.50 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $15,439 | 3.79 | 1.21 | 1.74 | 0.34 | 0.00 | 30 |
| | B25HB002 | HD-075 | 0.75 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $17,864 | 4.38 | 1.40 | 2.01 | 0.39 | 0.00 | 35 |
| | B25HB003 | HD-100 | 1.00 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $24,801 | 6.07 | 1.94 | 2.79 | 0.54 | 0.00 | 48 |
| | B25HB004 | HD-125 | 1.25 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $25,971 | 6.36 | 2.03 | 2.92 | 0.57 | 0.00 | 52 |
| | B25HB005 | HD-150 | 1.50 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $32,243 | 7.90 | 2.52 | 3.63 | 0.70 | 0.00 | 66 |
| | B25HB006 | HD-175 | 1.75 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $35,638 | 8.73 | 2.79 | 4.01 | 0.78 | 0.00 | 73 |
| | B25HB007 | HD-200 | 2.00 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $38,063 | 9.32 | 2.97 | 4.28 | 0.83 | 0.00 | 78 |
| | B25HB008 | HD-250 | 2.50 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $44,369 | 10.87 | 3.47 | 4.99 | 0.97 | 0.00 | 91 |
| | B25HB009 | HD-300 | 3.00 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $48,901 | 11.98 | 3.82 | 5.50 | 1.07 | 0.00 | 103 |
| | B25HB010 | HD-350 | 3.50 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $51,673 | 12.66 | 4.04 | 5.81 | 1.13 | 0.00 | 131 |
| | B25HB011 | HD-400 | 4.00 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $53,153 | 13.02 | 4.15 | 5.98 | 1.16 | 0.00 | 145 |
| | B25HB012 | HD-450 | 4.50 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $56,317 | 13.80 | 4.40 | 6.34 | 1.23 | 0.00 | 165 |
| | B25HB013 | HD-500 | 5.00 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $58,182 | 14.26 | 4.55 | 6.55 | 1.27 | 0.00 | 173 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***B25*** | | | ***HAWCO MANUFACTURING COMPANY (continued)*** | | | | | | | | | |
| | B25HB014 | HD-550 | 5.50 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $60,761 | 14.89 | 4.75 | 6.84 | 1.33 | 0.00 | 178 |
| | B25HB015 | HD-600 | 6.00 CY BUCKET, HEAVY DUTY/DIGGING CLAM | | | $63,068 | 15.46 | 4.93 | 7.10 | 1.38 | 0.00 | 199 |
| | | | **PRO-LINE** | | | | | | | | | |
| | B25PL001 | PLCR-2 | 3 CY CLAMSHELL BUCKET, GEN PURPOSE | | | $22,852 | 5.60 | 1.79 | 2.57 | 0.50 | 0.00 | 70 |
| | B25PL002 | PLCR-2 | 4 CY CLAMSHELL BUCKET, GEN PURPOSE | | | $24,063 | 5.89 | 1.88 | 2.71 | 0.52 | 0.00 | 86 |
| | B25PL003 | PLCR-2 | 5 CY CLAMSHELL BUCKET, GEN PURPOSE | | | $32,328 | 7.93 | 2.53 | 3.64 | 0.71 | 0.00 | 109 |
| | B25PL004 | PLCR-2 | 6 CY CLAMSHELL BUCKET, GEN PURPOSE | | | $37,846 | 9.28 | 2.96 | 4.26 | 0.83 | 0.00 | 137 |
| | B25PL005 | PLCR-2 | 8 CY CLAMSHELL BUCKET, GEN PURPOSE | | | $42,500 | 10.41 | 3.32 | 4.78 | 0.93 | 0.00 | 167 |
| | B25PL006 | PLSR-2 | 1.5 CY CLAMSHELL BKT, STD HEAVY DUTY | | | $17,309 | 4.24 | 1.36 | 1.95 | 0.38 | 0.00 | 42 |
| | B25PL007 | PLSR-2 | 3 CY CLAMSHELL BKT, STD HEAVY DUTY | | | $21,921 | 5.38 | 1.72 | 2.47 | 0.48 | 0.00 | 70 |
| | B25PL008 | PLSR-2 | 4 CY CLAMSHELL BKT, STD HEAVY DUTY | | | $23,620 | 5.79 | 1.85 | 2.66 | 0.52 | 0.00 | 82 |
| | B25PL009 | PLSR | 5 CY CLAMSHELL BKT, STD HEAVY DUTY | | | $25,408 | 6.22 | 1.98 | 2.86 | 0.55 | 0.00 | 94 |
| | B25PL010 | PLSR | 6 CY CLAMSHELL BKT, STD HEAVY DUTY | | | $28,086 | 6.88 | 2.19 | 3.16 | 0.61 | 0.00 | 108 |
| | B25PL011 | PLSR | 8 CY CLAMSHELL BKT, STD HEAVY DUTY | | | $34,710 | 8.50 | 2.71 | 3.90 | 0.76 | 0.00 | 138 |
| | B25PL012 | PLHR | 1.5 CY CLAMSHELL BKT, HEAVY DUTY | | | $18,958 | 4.64 | 1.48 | 2.13 | 0.41 | 0.00 | 46 |
| | B25PL013 | PLHR | 3 CY CLAMSHELL BKT, HEAVY DUTY | | | $23,077 | 5.65 | 1.80 | 2.60 | 0.50 | 0.00 | 76 |
| | B25PL014 | PLHR | 4 CY CLAMSHELL BKT, HEAVY DUTY | | | $25,847 | 6.33 | 2.02 | 2.91 | 0.56 | 0.00 | 89 |
| | B25PL015 | PLHR | 5 CY CLAMSHELL BKT, HEAVY DUTY | | | $26,971 | 6.60 | 2.11 | 3.03 | 0.59 | 0.00 | 103 |
| | B25PL016 | PLHR | 6 CY CLAMSHELL BKT, HEAVY DUTY | | | $30,778 | 7.53 | 2.40 | 3.46 | 0.67 | 0.00 | 118 |
| | B25PL017 | PLHR | 8 CY CLAMSHELL BKT, HEAVY DUTY | | | $37,560 | 9.21 | 2.94 | 4.23 | 0.82 | 0.00 | 149 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **B30** | **BUCKETS, CONCRETE** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **GENERAL PURPOSE, MANUAL TRIP** | | | | | | | | | |
| | | | **GAR-BRO MANUFACTURING COMPANY** | | | | | | | | | |
| | B30GB001 | 433-G | 1.000 CY, GENERAL PURPOSE | | | $2,628 | 0.66 | 0.22 | 0.31 | 0.06 | 0.00 | 7 |
| | B30GB002 | 442-G | 1.500 CY, GENERAL PURPOSE | | | $3,414 | 0.86 | 0.28 | 0.41 | 0.07 | 0.00 | 8 |
| | B30GB003 | 462-G | 2.000 CY, GENERAL PURPOSE | | | $4,258 | 1.07 | 0.35 | 0.51 | 0.09 | 0.00 | 12 |
| | B30GB004 | 493-G | 3.000 CY, GENERAL PURPOSE | | | $6,215 | 1.56 | 0.50 | 0.74 | 0.13 | 0.00 | 19 |
| | B30GB005 | 4123-G | 4.000 CY, GENERAL PURPOSE | | | $7,428 | 1.86 | 0.60 | 0.88 | 0.16 | 0.00 | 24 |
| | **SUBCATEGORY 0.20** | | **LAYDOWN** | | | | | | | | | |
| | | | **GAR-BRO MANUFACTURING COMPANY** | | | | | | | | | |
| | B30GB006 | 425-A | 1.000 CY, HEAVY DUTY, AIR GATE | | | $13,417 | 3.46 | 1.08 | 1.59 | 0.28 | 0.00 | 26 |
| | B30GB007 | 465-A | 2.000 CY, HEAVY DUTY, AIR GATE | | | $14,500 | 3.75 | 1.17 | 1.72 | 0.31 | 0.00 | 32 |
| | B30GB008 | 495-A | 3.000 CY, HEAVY DUTY, AIR GATE | | | $16,208 | 4.18 | 1.30 | 1.92 | 0.34 | 0.00 | 40 |
| | B30GB009 | 4125-A | 4.000 CY, HEAVY DUTY, AIR GATE | | | $18,539 | 4.79 | 1.49 | 2.20 | 0.39 | 0.00 | 51 |
| | B30GB010 | 4155-A | 5.000 CY, HEAVY DUTY, AIR GATE | | | $23,023 | 5.95 | 1.86 | 2.73 | 0.49 | 0.00 | 73 |
| | **SUBCATEGORY 0.30** | | **LOWBOY** | | | | | | | | | |
| | | | **CAMLEVER** | | | | | | | | | |
| | B30CR001 | LB-375 | 0.375 CY BUCKET, AIR OPERATED GATE | | | $3,748 | 1.00 | 0.31 | 0.45 | 0.08 | 0.00 | 2 |
| | B30CR002 | LB-050 | 0.500 CY BUCKET, AIR OPERATED GATE | | | $4,018 | 1.07 | 0.32 | 0.48 | 0.08 | 0.00 | 2 |
| | B30CR003 | LB-075 | 0.750 CY BUCKET, AIR OPERATED GATE | | | $4,343 | 1.16 | 0.35 | 0.52 | 0.09 | 0.00 | 3 |
| | B30CR004 | LB-100 | 1.000 CY BUCKET, AIR OPERATED GATE | | | $4,503 | 1.20 | 0.37 | 0.53 | 0.10 | 0.00 | 5 |
| | B30CR005 | LB-150 | 1.500 CY BUCKET, AIR OPERATED GATE | | | $5,303 | 1.41 | 0.43 | 0.63 | 0.11 | 0.00 | 6 |
| | B30CR009 | LXB-150 | 1.500 CY BUCKET, AIR OPERATED GATE | | | $5,578 | 1.49 | 0.45 | 0.66 | 0.12 | 0.00 | 6 |
| | B30CR006 | LB-200 | 2.000 CY BUCKET, AIR OPERATED CATE | | | $6,243 | 1.66 | 0.50 | 0.74 | 0.13 | 0.00 | 8 |
| | B30CR010 | LXB-200 | 2.000 CY BUCKET, AIR OPERATED GATE | | | $6,499 | 1.73 | 0.53 | 0.77 | 0.14 | 0.00 | 6 |
| | B30CR011 | LXB-300 | 3.000 CY BUCKET, AIR OPERATED GATE | | | $7,696 | 2.04 | 0.62 | 0.91 | 0.16 | 0.00 | 6 |
| | B30CR012 | LXB-400 | 4.000 CY BUCKET, AIR OPERATED GATE | | | $8,882 | 2.36 | 0.72 | 1.05 | 0.19 | 0.00 | 6 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.40** | | **LOW SLUMP** | | | | | | | | | |
| | | | **GAR-BRO MANUFACTURING COMPANY** | | | | | | | | | |
| | B30GB011 | 440-A | 1.000 CY, AIR GATE | | | $10,614 | 2.82 | 0.85 | 1.26 | 0.22 | 0.00 | 20 |
| | B30GB012 | 450-A | 1.500 CY, AIR GATE | | | $11,003 | 2.93 | 0.89 | 1.31 | 0.23 | 0.00 | 21 |
| | B30GB013 | 460-A | 2.000 CY, AIR GATE | | | $11,434 | 3.05 | 0.92 | 1.36 | 0.24 | 0.00 | 24 |
| | B30GB014 | 493-A | 3.000 CY, AIR GATE | | | $15,202 | 4.05 | 1.23 | 1.81 | 0.32 | 0.00 | 49 |
| | B30GB015 | 4139-A | 4.000 CY, AIR GATE | | | $15,766 | 4.19 | 1.27 | 1.87 | 0.33 | 0.00 | 52 |
| | B30GB016 | 4200-A | 6.000 CY, AIR GATE | | | $22,697 | 6.05 | 1.83 | 2.70 | 0.48 | 0.00 | 78 |
| | B30GB017 | 4250-A | 8.000 CY, AIR GATE | | | $27,265 | 7.27 | 2.20 | 3.24 | 0.58 | 0.00 | 90 |
| **B35** | **BUCKETS, DRAGLINE** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **LIGHT WEIGHT** | | | | | | | | | |
| | | | **HENDRIX MANUFACTURING COMPANY, INC.** | | | | | | | | | |
| | B35HE001 | LS | 0.75 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $4,934 | 1.22 | 0.39 | 0.56 | 0.11 | 0.00 | 15 |
| | B35HE002 | LS | 1.00 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $5,860 | 1.44 | 0.46 | 0.66 | 0.13 | 0.00 | 18 |
| | B35HE003 | LS | 1.50 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $7,765 | 1.90 | 0.61 | 0.87 | 0.17 | 0.00 | 26 |
| | B35HE004 | LS | 2.00 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $9,176 | 2.25 | 0.72 | 1.03 | 0.20 | 0.00 | 32 |
| | B35HE005 | LS | 2.50 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $10,777 | 2.64 | 0.85 | 1.21 | 0.24 | 0.00 | 37 |
| | B35HE006 | LS | 3.00 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $13,295 | 3.26 | 1.04 | 1.50 | 0.29 | 0.00 | 46 |
| | B35HE007 | LS | 3.50 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $14,684 | 3.59 | 1.15 | 1.65 | 0.32 | 0.00 | 50 |
| | B35HE008 | LS | 4.00 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $17,937 | 4.39 | 1.40 | 2.02 | 0.39 | 0.00 | 65 |
| | B35HE009 | LS | 4.50 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $19,046 | 4.67 | 1.49 | 2.14 | 0.42 | 0.00 | 69 |
| | B35HE010 | LS | 5.00 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $23,007 | 5.64 | 1.80 | 2.59 | 0.50 | 0.00 | 85 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***B35*** | | | ***HENDRIX MANUFACTURING COMPANY, INC. (continued)*** | | | | | | | | | |
| | B35HE011 | LS | 6.00 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $24,949 | 6.11 | 1.95 | 2.81 | 0.54 | 0.00 | 92 |
| | B35HE012 | LS | 7.00 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $27,257 | 6.68 | 2.13 | 3.07 | 0.59 | 0.00 | 101 |
| | B35HE013 | LS | 8.00 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $30,225 | 7.40 | 2.36 | 3.40 | 0.66 | 0.00 | 112 |
| | B35HE014 | LS | 9.00 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $34,891 | 8.55 | 2.73 | 3.93 | 0.76 | 0.00 | 128 |
| | B35HE015 | LS | 10.00 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $37,918 | 9.29 | 2.97 | 4.27 | 0.83 | 0.00 | 139 |
| | B35HE016 | LS | 12.00 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $46,567 | 11.41 | 3.64 | 5.24 | 1.02 | 0.00 | 166 |
| | B35HE017 | LS | 14.00 CY BUCKET, LIGHT WEIGHT/PERFORATED | | | $53,537 | 13.11 | 4.18 | 6.02 | 1.17 | 0.00 | 191 |
| | | | **SAUERMAN** | | | | | | | | | |
| | B35SA001 | SC-1050-K | 1.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER | | | $15,813 | 3.87 | 1.23 | 1.78 | 0.34 | 0.00 | 15 |
| | B35SA002 | SC-1060-K | 1.50 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER | | | $19,077 | 4.68 | 1.50 | 2.15 | 0.42 | 0.00 | 20 |
| | B35SA003 | SC-1070-K | 2.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER | | | $23,723 | 5.81 | 1.86 | 2.67 | 0.52 | 0.00 | 25 |
| | B35SA004 | SC-1090-K | 3.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER | | | $32,543 | 7.97 | 2.54 | 3.66 | 0.71 | 0.00 | 36 |
| | B35SA005 | SC-1100-K | 4.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER | | | $40,812 | 9.99 | 3.19 | 4.59 | 0.89 | 0.00 | 49 |
| | B35SA006 | SC-1110-K | 5.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER | | | $48,109 | 11.78 | 3.76 | 5.41 | 1.05 | 0.00 | 58 |
| | B35SA007 | SC-1120-K | 6.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER | | | $54,144 | 13.26 | 4.23 | 6.09 | 1.18 | 0.00 | 68 |
| | B35SA008 | SC-1130-K | 8.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER | | | $63,943 | 15.65 | 4.99 | 7.19 | 1.39 | 0.00 | 88 |
| | B35SA009 | SC-1140-K | 10.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER | | | $81,103 | 19.86 | 6.33 | 9.12 | 1.77 | 0.00 | 106 |
| | B35SA010 | SC-1150-K | 12.00 CY BUCKET, LIGHT WEIGHT, CRESENT SCRAPER | | | $99,024 | 24.25 | 7.73 | 11.14 | 2.16 | 0.00 | 132 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.20** | | **MEDIUM WEIGHT** | | | | | | | | | |
| | | | **HENDRIX MANUFACTURING COMPANY, INC.** | | | | | | | | | |
| | B35HE018 | TS | 0.75 CY BUCKET, MEDIUM WEIGHT | | | $5,702 | 1.25 | 0.41 | 0.57 | 0.12 | 0.00 | 17 |
| | B35HE019 | TS | 1.00 CY BUCKET, MEDIUM WEIGHT | | | $6,499 | 1.43 | 0.47 | 0.65 | 0.14 | 0.00 | 19 |
| | B35HE020 | TS | 1.50 CY BUCKET, MEDIUM WEIGHT | | | $8,856 | 1.95 | 0.64 | 0.89 | 0.19 | 0.00 | 28 |
| | B35HE021 | TS | 2.00 CY BUCKET, MEDIUM WEIGHT | | | $10,579 | 2.33 | 0.76 | 1.06 | 0.23 | 0.00 | 36 |
| | B35HE022 | TS | 2.50 CY BUCKET, MEDIUM WEIGHT | | | $12,381 | 2.73 | 0.89 | 1.24 | 0.27 | 0.00 | 41 |
| | B35HE023 | TS | 3.00 CY BUCKET, MEDIUM WEIGHT | | | $14,575 | 3.20 | 1.04 | 1.46 | 0.31 | 0.00 | 49 |
| | B35HE024 | TS | 3.50 CY BUCKET, MEDIUM WEIGHT | | | $16,102 | 3.54 | 1.16 | 1.61 | 0.35 | 0.00 | 54 |
| | B35HE025 | TS | 4.00 CY BUCKET, MEDIUM WEIGHT | | | $19,376 | 4.27 | 1.39 | 1.94 | 0.42 | 0.00 | 70 |
| | B35HE026 | TS | 4.50 CY BUCKET, MEDIUM WEIGHT | | | $20,693 | 4.54 | 1.48 | 2.07 | 0.44 | 0.00 | 72 |
| | B35HE027 | TS | 5.00 CY BUCKET, MEDIUM WEIGHT | | | $26,534 | 5.83 | 1.90 | 2.65 | 0.57 | 0.00 | 93 |
| | B35HE028 | TS | 6.00 CY BUCKET, MEDIUM WEIGHT | | | $27,411 | 6.03 | 1.96 | 2.74 | 0.59 | 0.00 | 96 |
| | B35HE029 | TS | 7.00 CY BUCKET, MEDIUM WEIGHT | | | $31,307 | 6.88 | 2.24 | 3.13 | 0.67 | 0.00 | 111 |
| | B35HE030 | TS | 8.00 CY BUCKET, MEDIUM WEIGHT | | | $34,466 | 7.58 | 2.47 | 3.45 | 0.74 | 0.00 | 122 |
| | B35HE031 | TS | 9.00 CY BUCKET, MEDIUM WEIGHT | | | $41,286 | 9.08 | 2.96 | 4.13 | 0.89 | 0.00 | 149 |
| | B35HE032 | TS | 10.00 CY BUCKET, MEDIUM WEIGHT | | | $43,968 | 9.67 | 3.15 | 4.40 | 0.95 | 0.00 | 159 |
| | B35HE033 | TS | 12.00 CY BUCKET, MEDIUM WEIGHT | | | $56,716 | 12.47 | 4.06 | 5.67 | 1.22 | 0.00 | 202 |
| | B35HE034 | TS | 14.00 CY BUCKET, MEDIUM WEIGHT | | | $63,177 | 13.89 | 4.52 | 6.32 | 1.36 | 0.00 | 225 |
| | **SUBCATEGORY 0.30** | | **HEAVY WEIGHT** | | | | | | | | | |
| | | | **HENDRIX MANUFACTURING COMPANY, INC.** | | | | | | | | | |
| | B35HE035 | MH-S | 2.75 CY BUCKET, HEAVY DUTY, DREDGING | | | $21,365 | 4.26 | 1.41 | 1.92 | 0.45 | 0.00 | 69 |
| | B35HE036 | MH-S | 3.00 CY BUCKET, HEAVY DUTY, DREDGING | | | $22,296 | 4.45 | 1.48 | 2.01 | 0.47 | 0.00 | 72 |
| | B35HE037 | MH-S | 3.50 CY BUCKET, HEAVY DUTY, DREDGING | | | $25,080 | 5.01 | 1.66 | 2.26 | 0.53 | 0.00 | 81 |
| | B35HE038 | MH-S | 4.00 CY BUCKET, HEAVY DUTY, DREDGING | | | $34,060 | 6.80 | 2.26 | 3.07 | 0.72 | 0.00 | 110 |
| | B35HE039 | MH-S | 4.50 CY BUCKET, HEAVY DUTY, DREDGING | | | $38,085 | 7.61 | 2.53 | 3.43 | 0.81 | 0.00 | 123 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***B35*** | | | ***HENDRIX MANUFACTURING COMPANY, INC. (continued)*** | | | | | | | | | |
| | B35HE040 | MH-S | 5.00 CY BUCKET, HEAVY DUTY, DREDGING | | | $39,322 | 7.86 | 2.61 | 3.54 | 0.84 | 0.00 | 127 |
| | B35HE041 | MH-S | 6.00 CY BUCKET, HEAVY DUTY, DREDGING | | | $42,110 | 8.42 | 2.80 | 3.79 | 0.90 | 0.00 | 136 |
| | B35HE042 | MH-S | 7.00 CY BUCKET, HEAVY DUTY, DREDGING | | | $53,341 | 10.65 | 3.53 | 4.80 | 1.13 | 0.00 | 175 |
| | B35HE043 | MH-S | 8.00 CY BUCKET, HEAVY DUTY, DREDGING | | | $54,864 | 10.97 | 3.64 | 4.94 | 1.17 | 0.00 | 180 |
| | B35HE044 | MH-S | 9.00 CY BUCKET, HEAVY DUTY, DREDGING | | | $69,829 | 13.94 | 4.62 | 6.28 | 1.48 | 0.00 | 234 |
| | B35HE045 | MH-S | 10.00 CY BUCKET, HEAVY DUTY, DREDGING | | | $72,157 | 14.41 | 4.78 | 6.49 | 1.53 | 0.00 | 243 |
| | B35HE046 | MH-S | 12.00 CY BUCKET, HEAVY DUTY, DREDGING | | | $85,469 | 17.07 | 5.67 | 7.69 | 1.82 | 0.00 | 289 |
| | B35HE047 | MH-S | 14.00 CY BUCKET, HEAVY DUTY, DREDGING | | | $91,326 | 18.24 | 6.05 | 8.22 | 1.94 | 0.00 | 309 |
| **C05** | **CHAIN SAWS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CHAIN SAWS** | | | | | | | | | |
| | | | **OLYMPYK CHAIN SAWS** | | | | | | | | | |
| | C05OL001 | 941 | 16" - 18" BAR | 2 HP G | | $295 | 1.17 | 0.08 | 0.13 | 0.01 | 0.39 | 1 |
| | C05OL002 | 962 | 16" - 24" BAR | 5 HP G | | $461 | 2.10 | 0.12 | 0.21 | 0.01 | 0.80 | 1 |
| | C05OL003 | 970 | 16" - 36" BAR | 5 HP G | | $559 | 2.44 | 0.15 | 0.25 | 0.02 | 0.89 | 1 |
| | C05OL004 | 980 | 16" - 42" BAR | 6 HP G | | $608 | 2.65 | 0.16 | 0.27 | 0.02 | 0.97 | 1 |
| **C10** | **COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES** | | | | | | | | | |
| | | | **BOMAG DIVISION, COMPACTION AMERICA** | | | | | | | | | |
| | C10BO001 | BT 50 | RAMMER, VIBRATORY, 9" X 13.8", TAMPER | 3 HP G | | $3,080 | 2.67 | 0.44 | 0.73 | 0.07 | 0.51 | 1 |
| | C10BO002 | BT 60 | RAMMER VIBRATORY, 11" X 15", TAMPER | 4 HP G | | $3,527 | 3.20 | 0.51 | 0.84 | 0.09 | 0.68 | 2 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C10* | | | ***BOMAG DIVISION, COMPACTION AMERICA (continued)*** | | | | | | | | | | |
| | C10BO003 | BP 10/36 | VIBRATORY PLATE, 14.2" X 21.5" PLATE | 4 HP | G | | $2,151 | 2.29 | 0.31 | 0.51 | 0.05 | 0.68 | 2 |
| | C10BO004 | BP 15/45 | VIBRATORY PLATE, 17.7" X 21.5" PLATE | 6 HP | G | | $2,408 | 2.92 | 0.35 | 0.57 | 0.06 | 1.03 | 2 |
| | C10BO005 | BP 20/48 | VIBRATORY PLATE, 18.9" X 27.4" PLATE | 6 HP | G | | $3,401 | 3.57 | 0.49 | 0.81 | 0.08 | 1.03 | 4 |
| | C10BO007 | BPR 35/38D | VIBRATORY REVERSIBLE 15" X 22.8" PLATE 22.8" X 31.1" PLATE | 5 HP | D-off | | $6,430 | 4.63 | 0.93 | 1.53 | 0.16 | 0.33 | 5 |
| | C10BO008 | BPR 55/52D | VIBRATORY REVERSIBLE 20.5" x 32.3" PLATE 32.3" x 35" PLATE | 8 HP | D-off | | $12,369 | 8.76 | 1.77 | 2.94 | 0.30 | 0.53 | 10 |
| | | | **SAKAI NAC** | | | | | | | | | | |
| | C10SJ001 | RV-60 | RAMMER, VIBRATORY,11" X14", 3000# IMPACT | 4 HP | G | | $3,078 | 2.89 | 0.44 | 0.73 | 0.07 | 0.68 | 2 |
| | C10SJ002 | RV-70 | RAMMER, VIBRATORY,13" X14", 3525# IMPACT | 4 HP | G | | $3,274 | 3.03 | 0.47 | 0.78 | 0.08 | 0.68 | 2 |
| | C10SJ003 | RV-80 | RAMMER, VIBRATORY,13" X14", 4025# IMPACT | 4 HP | G | | $3,414 | 3.11 | 0.49 | 0.81 | 0.08 | 0.68 | 2 |
| | C10SJ004 | PC-70 | VIBRATORY PLATE, 22" X 15", 3000# IMPACT | 6 HP | G | | $1,761 | 2.50 | 0.25 | 0.42 | 0.04 | 1.03 | 2 |
| | C10SJ005 | PC-80 | VIBRATORY PLATE, 23" X 17", 3500# IMPACT | 6 HP | G | | $2,174 | 2.77 | 0.31 | 0.52 | 0.05 | 1.03 | 2 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | C10WC020 | BS 52Y | VIBRATORY RAMMER, 10"X13", 2590# IMPACT | 4 HP | G | | $2,590 | 2.58 | 0.37 | 0.62 | 0.06 | 0.68 | 1 |
| | C10WC003 | BS 65Y | VIBRATORY RAMMER, 11"X 13",3640# IMPACT | 4 HP | G | | $4,288 | 3.68 | 0.61 | 1.02 | 0.10 | 0.68 | 2 |
| | C10WC018 | VPG 165A | VIBRATORY PLATE,18.0"X24.5",3375# IMPACT | 6 HP | D-off | | $1,915 | 1.78 | 0.28 | 0.45 | 0.05 | 0.40 | 2 |
| | C10WC006 | BPS 2550 A | VIBRATORY PLATE,19.5"X25.5",5600# IMPACT | 8 HP | G | | $2,945 | 3.72 | 0.42 | 0.70 | 0.07 | 1.37 | 3 |
| | C10WC007 | BPU 3345A | VIBRATORY PLATE,23.5"X35.5",7550# IMPACT | 9 HP | G | | $9,649 | 8.30 | 1.38 | 2.29 | 0.23 | 1.54 | 7 |
| | C10WC008 | DPU 4045H | VIBRATORY PLATE,23.5"X35.5",9000# IMPACT | 6 HP | D-off | | $12,838 | 8.90 | 1.84 | 3.05 | 0.31 | 0.40 | 7 |
| | C10WC015 | DPU 7060 | VIBRATORY PLATE,31.5"X42",15600# IMPACT | 14 HP | D-off | | $22,960 | 16.17 | 3.28 | 5.45 | 0.55 | 0.93 | 15 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.20** | | **ROLLERS, VIBRATORY** | | | | | | | | | | |
| | | | **BOMAG DIVISION, COMPACTION AMERICA** | | | | | | | | | | |
| | C10BO009 | BW 55E | SMOOTH SINGLE DRUM, 22.0" W X 15.7" DIA 0.17 TON, WALK-BEHIND 1X1 | 4 HP | G | | $5,587 | 4.40 | 0.74 | 1.19 | 0.14 | 0.68 | 3 |
| | C10BO010 | BW 35 | DOUBLE DRUM, 15.4" W X 13.8"DIA, 0.5 TON WALK-BEHIND, 2X1 TAMPING FOOT TRENCHER | 4 HP | D-off | | $13,270 | 8.67 | 1.74 | 2.82 | 0.33 | 0.26 | 10 |
| | C10BO011 | BW 60HG | SMOOTH DOUBLE DRUM, 29.9" W X 19.7" DIA 0.9 TON, WALK-BEHIND, 2X2 | 8 HP | D-off | | $14,370 | 9.71 | 1.89 | 3.05 | 0.36 | 0.53 | 26 |
| | C10BO013 | BMP851 | DOUBLE DRUM, 33.5" W X 19.1" DIA, 6.2TON WALK-BEHIND, 2X1 TAMPING FOOT TRENCHER | 16 HP | D-off | | $35,232 | 23.51 | 4.64 | 7.49 | 0.89 | 1.06 | 34 |
| | | | **SAKAI NAC** | | | | | | | | | | |
| | C10SJ006 | HV-70ST | SMOOTH DOUBLE DRUM, 26.6" W X16" DIA 3.9 TON, WALK-BEHIND, 2X2 | 13 HP | G | | $15,500 | 12.64 | 2.04 | 3.29 | 0.39 | 2.22 | 15 |
| | C10SJ007 | HV-80ST | SMOOTH DOUBLE DRUM, 28.0" W X16" DIA 4.6 TON, WALK-BEHIND, 2X2 | 13 HP | G | | $16,803 | 13.45 | 2.21 | 3.57 | 0.42 | 2.22 | 18 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | C10WC010 | RSS 800A | SMOOTH SINGLE DRUM, 28.3"W X 22" DIA 2.3 TON, WALK-BEHIND, 2X1 | 11 HP | G | | $11,789 | 9.88 | 1.56 | 2.51 | 0.30 | 1.88 | 11 |
| | C10WC019 | RT 560 | DOUBLE DRUM, 22"W X 20"DIA, 4.2 TON, 2.0 TON, WALK-BEHIND, SMOOTH DRUMS, 2X1 | 20 HP | D-off | | $36,747 | 24.80 | 4.84 | 7.81 | 0.93 | 1.32 | 31 |
| | C10WC017 | RD 7H | SMOOTH DOUBLE DRUM, 16.6"WX 25.5" DIA WALK-BEHIND, TRENCHER, TAMPING FOOT, 2X1 | 9 HP | D-off | | $13,499 | 9.26 | 1.78 | 2.87 | 0.34 | 0.60 | 16 |
| | C10WC016 | RT 820 | DOUBLE DRUM, 32"W X 20"DIA, 4.3 TON, WALK-BEHIND, TRENCHER, TAMPING FOOT, 2X1 | 20 HP | D-off | | $37,270 | 25.13 | 4.90 | 7.92 | 0.94 | 1.32 | 33 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | ENGINE HORSEPOWER FUEL TYPE CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS DEPR | ADJUSTABLE ELEMENTS FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C15** | **CONCRETE CLEANERS / BLASTERS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE CLEANERS / BLASTERS** | | | | | | | | | | |
| | | | **BLASTRAC DIVISION, WHEELABRATOR CORPORATION** | | | | | | | | | | |
| | C15BL001 | 1-8-EZ & SHOP V | 8" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECTOR (ADD 4KVA GEN) | | | | $7,010 | 4.13 | 0.88 | 1.40 | 0.18 | 0.00 | 2 |
| | C15BL003 | 1-10D & 6-54 DC | 10" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN) | | | | $28,730 | 16.39 | 3.62 | 5.75 | 0.74 | 0.00 | 16 |
| | C15BL004 | 1-15D & 6-54-DC | 15" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN) | | | | $35,725 | 20.27 | 4.50 | 7.15 | 0.92 | 0.00 | 17 |
| | C15BL005 | 1-20D & 8-54-DC | 20" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 75 KVA GEN) | | | | $49,947 | 27.89 | 6.29 | 9.99 | 1.29 | 0.00 | 30 |
| **C20** | **CONCRETE BUGGIES** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE BUGGIES** | | | | | | | | | | |
| | | | **AEROIL PRODUCTS** | | | | | | | | | | |
| | C20AE001 | BUFFALO 800 | WALK-BEHIND W/DUMP HOPPER, 800# CAP 4X2 | 5 HP | G | | $3,172 | 2.30 | 0.35 | 0.53 | 0.08 | 0.67 | 4 |
| | | | **AMIDA INDUSTRIES, INC.** | | | | | | | | | | |
| | C20AI008 | PB10W | 16 CF BUCKET, WALK BEHIND 28" WIDE | 8 HP | G | | $6,498 | 4.42 | 0.80 | 1.26 | 0.17 | 1.06 | 7 |
| | C20AI006 | PB16R RIDE-ON | 16 CF BUCKET, WALK & RIDE | 13 HP | G | | $8,996 | 6.43 | 1.08 | 1.69 | 0.23 | 1.73 | 10 |
| | C20AI009 | PB21R | 21 CF BUCKET, RIDER 48" WIDE | 16 HP | G | | $12,954 | 8.81 | 1.59 | 2.51 | 0.33 | 2.13 | 12 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | C20WC002 | WB 16A | 16 CF BUCKET, WALK & RIDE 1.25 TON 4X2 | 13 HP | G | | $9,543 | 6.64 | 1.13 | 1.76 | 0.25 | 1.73 | 12 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C25** | **CONCRETE FINISHERS/SCREEDS/SPREADERS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **FINISHERS/TROWELS** | | | | | | | | | | |
| | | | **ALLEN ENGINEERING CORPORATION** | | | | | | | | | | |
| | C25AJ014 | PRO 750 | TROWEL, RIDING, 2 - 30" DIA ROTORS | 20 HP | G | | $7,723 | 6.81 | 0.81 | 1.24 | 0.19 | 2.66 | 7 |
| | C25AJ015 | PRO 900 | TROWEL, RIDING, 2 - 36" DIA ROTORS | 20 HP | G | | $10,232 | 7.79 | 1.07 | 1.64 | 0.25 | 2.66 | 7 |
| | C25AJ016 | PRO 1050 | TROWEL, RIDING, 2 - 42" DIA ROTORS | 20 HP | G | | $10,766 | 8.00 | 1.13 | 1.72 | 0.27 | 2.66 | 9 |
| | C25AJ017 | PRO 1200 | TROWEL, RIDING, 2 - 42" DIA ROTORS | 25 HP | G | | $11,237 | 9.14 | 1.18 | 1.80 | 0.28 | 3.33 | 8 |
| | C25AJ018 | PRO 1200 | TROWEL, RIDING, 2 - 46" DIA ROTORS | 25 HP | G | | $12,284 | 9.55 | 1.29 | 1.97 | 0.30 | 3.33 | 11 |
| | C25AJ019 | SUPER PRO 500 | TROWEL, RIDING, 2 - 46" DIA ROTORS | 28 HP | G | | $17,224 | 12.04 | 1.81 | 2.76 | 0.43 | 3.72 | 12 |
| | C25AJ020 | HP 300 | TROWEL, RIDING, 3 - 46" DIA ROTORS | 25 HP | G | | $23,563 | 13.97 | 2.47 | 3.77 | 0.58 | 3.33 | 21 |
| | | | **STOW MANUFACTURING, INC.** | | | | | | | | | | |
| | C25ST001 | 36-H-904 | ROTO-TROWEL - 36" DIA, 4-BLADED | 9 HP | G | | $2,145 | 2.54 | 0.22 | 0.34 | 0.05 | 1.20 | 3 |
| | C25ST002 | 46-H-904 | ROTO-TROWEL - 46" DIA, 4-BLADED | 9 HP | G | | $2,330 | 2.61 | 0.25 | 0.37 | 0.06 | 1.20 | 3 |
| | C25ST003 | 30H554 | ROTO-TROWEL - 30" DIA, 4-BLADED | 6 HP | G | | $2,094 | 1.86 | 0.22 | 0.34 | 0.05 | 0.73 | 3 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | C25WC001 | CT36A | POWER TROWEL, 36" TROWEL DIA, 4 BLADES | 5 HP | G | | $2,424 | 1.90 | 0.26 | 0.39 | 0.06 | 0.67 | 2 |
| | C25WC002 | CT48A | POWER TROWEL, 48" TROWEL DIA, 4 BLADES | 8 HP | G | | $3,041 | 2.70 | 0.33 | 0.49 | 0.08 | 1.06 | 3 |
| | C25WC003 | CT46A | POWER TROWEL,RIDE ON,2 SETS OF 48"TROWEL DIAMETER BLADES | 20 HP | G | | $11,293 | 8.21 | 1.19 | 1.81 | 0.28 | 2.66 | 8 |
| | **SUBCATEGORY 0.20** | | **VIBRATORY SCREED** | | | | | | | | | | |
| | | | **ALLEN ENGINEERING CORPORATION** | | | | | | | | | | |
| | C25AJ003 | 12HED | VIBRATORY CONCRETE SCREED, 12.5' WIDE | 9 HP | G | | $5,960 | 4.04 | 0.63 | 0.95 | 0.15 | 1.20 | 5 |
| | C25AJ001 | 12 HD | VIBRATORY CONCRETE SCREED, 20' WIDE, | 8 HP | G | | $6,983 | 4.24 | 0.73 | 1.12 | 0.17 | 1.06 | 10 |
| | C25AJ004 | 12HED | VIBRATORY CONCRETE SCREED, 30' WIDE | 9 HP | G | | $8,727 | 5.14 | 0.92 | 1.40 | 0.22 | 1.20 | 8 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C25* | | | ***ALLEN ENGINEERING CORPORATION (continued)*** | | | | | | | | | | |
| | C25AJ005 | 12HED | VIBRATORY CONCRETE SCREED, 40' WIDE | 11 HP | G | | $10,315 | 6.13 | 1.09 | 1.65 | 0.26 | 1.46 | 10 |
| | C25AJ006 | 12HED | VIBRATORY CONCRETE SCREED, 50' WIDE | 11 HP | G | | $12,356 | 6.93 | 1.30 | 1.98 | 0.31 | 1.46 | 12 |
| | C25AJ007 | 12HED | VIBRATORY CONCRETE SCREED, 55' WIDE | 11 HP | G | | $13,151 | 7.24 | 1.38 | 2.10 | 0.33 | 1.46 | 13 |
| | **SUBCATEGORY 0.25** | | **VIBRATORY LASER SCREED** | | | | | | | | | | |
| | | | **ALLEN ENGINEERING CORPORATION** | | | | | | | | | | |
| | C25AJ002 | ACG | VIBRATORY LASER SCREED, 65' WIDE | 22 HP | G | | $73,275 | 19.59 | 5.02 | 6.41 | 1.81 | 2.72 | 18 |
| | | | **SOMERO INDUSTRIES** | | | | | | | | | | |
| | C25SV003 | S-100 | 8' WIDE X 12' BOOM, W/LASER RECEIVERS | 27 HP | D-off | | $120,923 | 27.26 | 8.23 | 10.50 | 2.98 | 1.26 | 72 |
| | C25SV002 | S-160 | 8' WIDE X 20' BOOM, W/LASER RECEIVERS | 57 HP | D-off | | $182,203 | 42.27 | 12.42 | 15.86 | 4.49 | 2.71 | 123 |
| | C25SV001 | S-240 | 12' WIDE X 20' BOOM, W/LASER RECEIVERS | 57 HP | D-off | | $223,373 | 50.90 | 15.22 | 19.43 | 5.50 | 2.71 | 172 |
| | **SUBCATEGORY 0.30** | | **MATERIAL/TOPPING SPREADERS** | | | | | | | | | | |
| | | | **ALLEN ENGINEERING CORPORATION** | | | | | | | | | | |
| | C25AJ008 | SP23H | MATERIAL SPREADER, 12.5' WIDE | 6 HP | G | | $10,298 | 3.21 | 0.70 | 0.90 | 0.25 | 0.68 | 11 |
| | C25AJ009 | SP23H | MATERIAL SPREADER, 20' WIDE | 6 HP | G | | $11,019 | 3.36 | 0.75 | 0.96 | 0.27 | 0.68 | 12 |
| | C25AJ010 | SP23H | MATERIAL SPREADER, 30' WIDE | 6 HP | G | | $12,026 | 3.58 | 0.83 | 1.05 | 0.30 | 0.68 | 13 |
| | C25AJ011 | SP23H | MATERIAL SPREADER, 40' WIDE | 6 HP | G | | $13,034 | 3.79 | 0.89 | 1.14 | 0.32 | 0.68 | 14 |
| | C25AJ012 | SP23H | MATERIAL SPREADER, 50' WIDE | 6 HP | G | | $13,988 | 3.98 | 0.95 | 1.22 | 0.34 | 0.68 | 15 |
| | C25AJ013 | SP23H | MATERIAL SPREADER, 60' WIDE | 6 HP | G | | $14,963 | 4.20 | 1.03 | 1.31 | 0.37 | 0.68 | 17 |
| | | | **SOMERO INDUSTRIES** | | | | | | | | | | |
| | C25SV004 | STS-130 | TOPPING SPREADER 6' WIDE X 22' BOOM | 26 HP | D-off | | $100,126 | 22.87 | 6.79 | 8.63 | 2.47 | 1.24 | 85 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C35** | **CONCRETE GUNITERS / SHOTCRETERS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE GUNITERS / SHOTCRETERS** | | | | | | | | | |
| | | | **AIRPLACO** | | | | | | | | | |
| | C35AF001 | 1900 HD NUCRET | DRY MIX SPRAYING MACHINE, 2 TO 15 CY/HR 2 PRESURIZE TANKS, 2" DIA - 100' HOSE & NOZZLE (ADD 200 TO 900 CFM COMPRESSOR) | | | $20,610 | 6.45 | 1.61 | 2.21 | 0.50 | 0.00 | 11 |
| | C35AF002 | C-9A | DRY/SEMI-WET MIX SPRAYING MACHINE, 6 TO 12 CY/HR, HOPPER, PUMPER 1.5"-> 2"HOSE AND NOZZLE, ADD 600 CFM AIR COMPRESSOR | | | $12,225 | 5.61 | 0.93 | 1.25 | 0.30 | 0.00 | 6 |
| | C35AF003 | C-10HSL | DRY/SEMI-WET MIX SPRAYING MACHINE, 6 TO 12 CY/HR, HOPPER, PUMPER 1.5"-> 2"HOSE AND NOZZLE, ADD 600 CFM AIR COMPRESSOR | | | $13,995 | 6.14 | 1.06 | 1.44 | 0.34 | 0.00 | 7 |
| | C35AF004 | 634 Mix Elevator | DRY BATCH MIXER WITH ELEVATOR FEEDER 13 CY/HR, 20 CF SAND & 4CF CEMENT HOPPER & PREDAMENING (ADD SHOTECRETE MACHINE) | 30 HP G | | $29,855 | 16.94 | 2.29 | 3.14 | 0.72 | 4.28 | 39 |
| | C35AF005 | 734 Mix Elevator | DRY BATCH MIXER WITH ELEVATOR FEEDER 20 CY/HR, 45 CF SAND & 4CF CEMENT HOPPER & PREDAMENING (ADD SHOTECRETE MACHINE) | 54 HP D-off | | $50,755 | 21.21 | 3.89 | 5.31 | 1.23 | 3.03 | 81 |
| | | | **ALLENTOWN PUMP & GUN** | | | | | | | | | |
| | C35AL002 | R-900 BATCH MIX | DRY BATCH MIXER WITH ELEVATOR FEEDER 10TONS/HR, 20CF CEMENT HOPPER, 8CF MIXER PREDAMPENER SPRAY BAR & TRAILER MOUNTED (ADD 2 PRESURIZE TANK OR ROTERY PUMP SPAY MACHINE) | 26 HP D-off | | $32,229 | 11.53 | 2.45 | 3.33 | 0.78 | 1.46 | 47 |
| | C35AL008 | N-2 PNEUMATIC | DRY MIX SPRAYING MACHINE, 2 TO 8 CY/HR 2 PRESURIZE TANKS, 1.5" DIA - 100' HOSE & NOZZLE (ADD 200 TO 900 CFM COMPRESSOR) | | | $23,098 | 7.19 | 1.80 | 2.47 | 0.56 | 0.00 | 13 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C35* | | | ***ALLENTOWN PUMP & GUN (continued)*** | | | | | | | | | | |
| | C35AL009 | N-3 PNEUMATIC | DRY MIX SPRAYING MACHINE, 4 TO 10 CY/HR 2 PRESURIZE TANKS, 2.0" DIA - 100' HOSE & NOZZLE (ADD 200 TO 900 CFM COMPRESSOR) | | | | $25,688 | 8.06 | 2.00 | 2.75 | 0.62 | 0.00 | 13 |
| | C35AL003 | GRH-610 ROTAR | WET/DRY MIX SPRAYING MACHINE, 1 TO 6 CY/HR, HOPPER, ROTARY PUMPER, 1.5"DIA-100'HOSE & NOZZLE, TRAILER MTD (ADD 250 TO 600 CFM COMPRESSOR) | | | | $14,522 | 4.44 | 1.07 | 1.43 | 0.35 | 0.00 | 11 |
| | C35AL013 | AG-15 AUTOMATI | WET/DRY MIX SPRAYING MACHINE, 3 TO 15 CY/HR, HOPPER, ROTARY PUMPER, 1.5"DIA - 100'HOSE & NOZZLE, TRAILER MTD (ADD 300-900CFM COMPRESSOR) | | | | $13,124 | 4.27 | 0.99 | 1.34 | 0.32 | 0.00 | 15 |
| | C35AL014 | POWER CRETER | HIGH PRESSURE GROUT PUMP / MUD JACKING / SHOTCRETE, PLASTER MACHINE,DUAL CYLINDER WITH GROUT 74 GAL MIXER & 30 GAL HOPPER 0-400 PSI, 270 CF/HR & TRAILER MOUNTED (ADD 3" HOSE LINE) | 50 HP | D-off | | $58,627 | 21.33 | 4.55 | 6.26 | 1.42 | 2.81 | 30 |
| | | | **ALIVA** | | | | | | | | | | |
| | C35AV008 | AL 246 | DRY/SEMI-WET MIX SPRAYING MACHINE,1.4 TO 2.3CY/HR, 1.0 GAL HOPPER, ROTARY PUMPER, 1.50"DIA-100'HOSE,NOZZLE &AIR COMPRESSOR | 7 HP | E | | $23,066 | 10.06 | 1.80 | 2.47 | 0.56 | 0.74 | 9 |
| | C35AV009 | AL 252 | DRY/SEMI-WET MIX SPRAYING MACHINE, 5 TO 10 CY/HR, 4.2 GAL HOPPER, ROTARY PUMPER, 2.36"DIA-100'HOSE,NOZZLE &AIR COMPRESSOR | 16 HP | E | | $28,143 | 13.07 | 2.19 | 3.02 | 0.68 | 1.68 | 18 |
| | C35AV010 | AL 262 | WET/DRY MIX SPRAYING MACHINE, 9 TO 13 CY/HR, 4.2 GAL HOPPER, ROTARY PUMPER, 2.36"DIA-100'HOSE,NOZZLE &AIR COMPRESSOR | 26 HP | E | | $50,708 | 21.47 | 3.95 | 5.43 | 1.23 | 2.73 | 27 |
| | C35AV006 | AL 285 | WET/DRY MIX SPRAYING MACHINE, 11 TO 27.5CY/HR, 6.6GAL HOPPER, ROTARY PUMPER, 2.55"DIA-100'HOSE,NOZZLE &AIR COMPRESSOR | 20 HP | E | | $77,436 | 28.43 | 6.00 | 8.24 | 1.88 | 2.10 | 33 |
| | C35AV011 | AL 302 | HYDRAULIC SPRAYING ARM, SMALL UNIT 25.6' MAX & 8.2" MIN TUNNEL HEIGHT (ADD TRUCK OR SMALL TRAILER & SHOTCRETE UNIT) | 12 HP | E | | $80,690 | 28.10 | 6.29 | 8.65 | 1.96 | 1.26 | 50 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C35* | | | *ALIVA (continued)* | | | | | | | | | | |
| | C35AV012 | AL 307 | HYDRAULIC SPRAYING ARM, LARGE UNIT 52.5' MAX & 13.1" MIN TUNNEL HEIGHT(ADD TRUCK OR SMALL TRAILER & SHOTCRETE UNIT) | 20 HP | E | | $116,282 | 40.55 | 9.05 | 12.46 | 2.82 | 2.10 | 68 |
| **C40** | **CONCRETE MIXING UNITS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE MIXING UNITS** | | | | | | | | | | |
| | | | **MULTIQUIP, INC.** | | | | | | | | | | |
| | C40MU001 | WM 700S-B8 | 6 CF PLASTER/MORTAR MIXER, STEEL DRUM | 8 HP | G | | $2,597 | 2.52 | 0.27 | 0.42 | 0.06 | 1.06 | 9 |
| | C40MU002 | WM 120S-H | 12 CF PLASTER/MORTAR MIXER, STEEL DRUM | 13 HP | G | | $5,512 | 4.62 | 0.58 | 0.88 | 0.14 | 1.73 | 11 |
| | C40MU003 | WC 625-R8 | 6 CF CONCRETE MIXER, STEEL DRUM | 8 HP | G | | $2,672 | 2.56 | 0.29 | 0.43 | 0.07 | 1.06 | 7 |
| | C40MU004 | WC 925-B8 | 9 CF CONCRETE MIXER, STEEL DRUM | 8 HP | G | | $3,105 | 2.73 | 0.33 | 0.50 | 0.08 | 1.06 | 8 |
| | | | **MAXON INDUSTRIES** | | | | | | | | | | |
| | C40MX001 | 36703 | 2 CY WASTE MIXER, TRAILER MOUNTED (W/ HIGH PRESSURED WATER SYSTEM) | 18 HP | D-off | | $24,792 | 10.84 | 2.51 | 3.79 | 0.61 | 0.93 | 43 |
| | C40MX003 | MCII | 4.5 CY WASTE MIXER, TRAILER MOUNTED | 52 HP | D-off | | $44,204 | 20.88 | 4.54 | 6.90 | 1.09 | 2.70 | 114 |
| | C40MX002 | 36704 | BARREL LOADER - 1000 LB LIFT CAPACITY (ATTACHMENT FOR 36703 WASTE MIXER) | | | | $4,435 | 2.74 | 0.47 | 0.71 | 0.11 | 0.00 | 3 |
| | C40MX007 | | 9 CY AGITATOR (ADD 50,000 GVW TRUCK) | | | | $35,255 | 15.49 | 3.69 | 5.64 | 0.87 | 0.00 | 79 |
| | C40MX006 | | 12 CY AGITATOR (ADD 64,000 GVW TRUCK) | | | | $39,093 | 17.10 | 4.10 | 6.25 | 0.97 | 0.00 | 84 |
| | | | **STOW MANUFACTURING, INC.** | | | | | | | | | | |
| | C40ST001 | CM4EB | 4 CF CONCRETE MIXER, PORTABLE | 1 HP | E | | $1,956 | 1.14 | 0.21 | 0.31 | 0.05 | 0.10 | 5 |
| | C40ST002 | CM4H | 4 CF CONCRETE MIXER, PORTABLE | 6 HP | G | | $2,187 | 1.88 | 0.23 | 0.35 | 0.05 | 0.73 | 5 |
| | C40ST003 | CM6EB | 6 CF CONCRETE MIXER, PORTABLE | 1 HP | E | | $2,907 | 1.56 | 0.31 | 0.47 | 0.07 | 0.10 | 7 |
| | C40ST004 | CM6H8 | 6 CF CONCRETE MIXER, PORTABLE | 8 HP | G | | $3,189 | 2.75 | 0.34 | 0.51 | 0.08 | 1.06 | 8 |
| | C40ST005 | CM9EB | 9 CF CONCRETE MIXER, PORTABLE | 2 HP | E | | $3,761 | 2.02 | 0.39 | 0.60 | 0.09 | 0.15 | 8 |
| | C40ST006 | CM9H | 9 CF CONCRETE MIXER, PORTABLE | 8 HP | G | | $3,871 | 3.03 | 0.41 | 0.62 | 0.10 | 1.06 | 8 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **C45** | **CONCRETE PAVING MACHINES** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE PAVING MACHINES** | | | | | | | | | | |
| | | | **CMI CORPORATION (INCLUDING BIDWELL & LOADKING)** | | | | | | | | | | |
| | C45CW001 | PST-500 | 20'-28' WIDE, PLACER-SPREADER-TRIMMER, CRAWLER | 250 HP | D-off | | $505,584 | 209.57 | 45.89 | 67.41 | 12.18 | 14.04 | 824 |
| | | | **GOMACO CORPORATION** | | | | | | | | | | |
| | C45GO013 | GT-3200 | CURB/GUTTER SLIPFORM PAVER, 36" WIDE | 70 HP | D-off | | $105,485 | 45.08 | 9.57 | 14.06 | 2.54 | 3.93 | 120 |
| | C45GO010 | COMMANDER II | CURB/GUTTER SLIPFORM PAVER, 2-TRACK | 92 HP | D-off | | $118,940 | 51.85 | 10.79 | 15.86 | 2.86 | 5.17 | 200 |
| | C45GO014 | GT-3600 | CURB/GUTTER SLIPFORM PAVER, 3-TRACK | 92 HP | D-off | | $141,703 | 60.42 | 12.86 | 18.89 | 3.41 | 5.17 | 210 |
| | C45GO011 | COMMANDER III | CURB/GUTTER SLIPFORM PAVER, 3-TRACK | 169 HP | D-off | | $149,215 | 69.14 | 13.54 | 19.90 | 3.59 | 9.49 | 300 |
| | C45GO012 | COMMANDER III | CURB/GUTTER SLIPFORM PAVER, 4-TRACK | 169 HP | D-off | | $266,363 | 113.27 | 24.18 | 35.52 | 6.42 | 9.49 | 369 |
| | C45GO004 | GP-2000 | PAVER, TWO TRACK, @ 16' WIDE 0-38 FT/MIN, CRAWLER MTD | 185 HP | D-off | | $245,236 | 106.54 | 22.26 | 32.70 | 5.91 | 10.39 | 340 |
| | C45GO015 | GP-2600 | PAVER, 2-TRACK, 28' WIDE | 230 HP | D-off | | $255,408 | 113.82 | 23.18 | 34.05 | 6.15 | 12.92 | 650 |
| | C45GO017 | GPH-2800 | PAVER, 2-TRACK, 28' WIDE | 250 HP | D-off | | $403,274 | 171.03 | 36.60 | 53.77 | 9.71 | 14.04 | 700 |
| | C45GO019 | GP-4000 | PAVER, 2-TRACK, 28' WIDE | 325 HP | D-off | | $436,663 | 189.35 | 39.63 | 58.22 | 10.52 | 18.25 | 880 |
| | C45GO016 | GP-2600 | PAVER, 4-TRACK, 28' WIDE | 230 HP | D-off | | $334,545 | 143.63 | 30.37 | 44.61 | 8.06 | 12.92 | 750 |
| | C45GO018 | GPH-2800 | PAVER, 4-TRACK, 28' WIDE | 250 HP | D-off | | $477,449 | 198.97 | 43.33 | 63.66 | 11.50 | 14.04 | 800 |
| | C45GO020 | G-4000 | PAVER, 4-TRACK, 28' WIDE | 325 HP | D-off | | $518,217 | 220.07 | 47.03 | 69.10 | 12.48 | 18.25 | 1,150 |
| | C45GO024 | C450-X | CYLINDER FINISHER, DOUBLE DRUM, 60' WIDE | 32 HP | G | | $50,080 | 25.33 | 4.55 | 6.68 | 1.21 | 4.56 | 50 |
| | C45GO025 | C-700 | CYLINDER FINISHER, DOUBLE DRUM, 60' WIDE | 48 HP | G | | $64,893 | 34.12 | 5.89 | 8.65 | 1.56 | 6.84 | 55 |
| | C45GO030 | 9000 | TRIMMER/PLACER W/12' TRIMMER HEAD | 325 HP | D-off | | $262,793 | 123.88 | 23.85 | 35.04 | 6.33 | 18.25 | 462 |
| | C45GO031 | 9500 | TRIMMER/PLACER W/16' TRIMMER HEAD | 325 HP | D-off | | $334,148 | 150.74 | 30.33 | 44.55 | 8.05 | 18.25 | 669 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **MILLER SPREADER COMPANY** | | | | | | | | | |
| | C45MJ001 | MC 650 | CURB BUILDER, 3.7 CF HOPPER, 6" AUGER | 14 HP G | | $7,418 | 5.63 | 0.68 | 0.99 | 0.18 | 2.00 | 8 |
| **C55** | **CONCRETE PUMPS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE PUMPS** | | | | | | | | | |
| | | | **MORGEN MANUFACTURING COMPANY** | | | | | | | | | |
| | C55MO001 | 210-295 | 25 CY/HOUR, TRAILER MOUNTED | 30 HP G | | $26,465 | 13.49 | 2.06 | 2.95 | 0.58 | 3.99 | 29 |
| | C55MO002 | 213-184 | 40 CY/HOUR, TRAILER MOUNTED | 80 HP D-off | | $50,943 | 20.78 | 3.97 | 5.71 | 1.11 | 4.15 | 59 |
| | C55MO003 | 213-185 | 50 CY/HOUR, TRAILER MOUNTED | 110 HP D-off | | $56,592 | 24.56 | 4.40 | 6.34 | 1.23 | 5.70 | 65 |
| | C55MO004 | 213-658 | 65 CY/HOUR, TRAILER MOUNTED | 110 HP D-off | | $68,402 | 28.07 | 5.33 | 7.67 | 1.49 | 5.70 | 68 |
| | C55MO016 | 214-380 | 93 CY/HR, TRAILER MOUNTED | 177 HP D-off | | $97,850 | 41.51 | 7.58 | 10.90 | 2.13 | 9.18 | 117 |
| | C55MO017 | 214-570 | 122 CY/HR, TRAILER MOUNTED | 177 HP D-off | | $103,895 | 43.31 | 8.06 | 11.58 | 2.27 | 9.18 | 118 |
| | C55MO007 | 212-841 | 65 CY/HR, 72' VERTICAL BOOM (ADD 23,100 GVW TRUCK) | 210 HP D-off | 270 HP D-on | $196,157 | 77.52 | 15.25 | 21.94 | 4.28 | 14.13 | 300 |
| | C55MO014 | 217-755 | 115 CY/HR, 100' VERTICAL BOOM (ADD 41,300 GVW TRUCK) | 270 HP D-off | 270 HP D-on | $277,648 | 105.96 | 21.57 | 31.02 | 6.06 | 17.24 | 360 |
| | C55MO013 | 217-760 | 140 CY/HR, 100' VERTICAL BOOM (ADD 41,300 GVW TRUCK) | 270 HP D-off | 270 HP D-on | $283,672 | 107.75 | 22.04 | 31.70 | 6.19 | 17.24 | 360 |
| | C55MO015 | 216-420 | 140 CY/HR, 120' VERTICAL BOOM (ADD 41,300 GVW TRUCK) | 270 HP D-off | 270 HP D-on | $404,153 | 143.50 | 31.45 | 45.25 | 8.82 | 17.24 | 360 |
| | | | **SCHWING AMERICA, INC.** | | | | | | | | | |
| | C55SC001 | WP750 D-18X | 70 CY/HR, 1100 PSI, TRAILER MTD, | 80 HP D-off | | $64,803 | 24.89 | 5.05 | 7.27 | 1.41 | 4.15 | 69 |
| | C55SC002 | BPA 2000HDD-20 | 67 CY/HR, 1,565 PSI, TRAILER MTD, | 177 HP D-off | | $141,041 | 54.34 | 10.96 | 15.76 | 3.08 | 9.18 | 115 |
| | C55SC005 | BPL 900/KVM 23 | 75' BOOM, 117 CY/HR, 1,565 PSI, TRUCK MTD, ADD TRUCK | 210 HP D-on | | $214,143 | 84.21 | 16.59 | 23.84 | 4.67 | 15.12 | 359 |
| | C55SC006 | BPL 900/KVM 28 | 92' BOOM, 117 CY/HR, 1,565 PSI, TRUCK MTD, ADD TRUCK | 210 HP D-on | | $271,770 | 101.32 | 21.09 | 30.31 | 5.93 | 15.12 | 470 |
| | C55SC007 | BPL 1200/KVM 32 | 105' BOOM, 171 CY/HR, 1,285 PSI, TRUCK MTD, ADD TRUCK | 230 HP D-on | | $363,865 | 130.64 | 28.18 | 40.47 | 7.94 | 16.56 | 480 |
| | C55SC008 | BPL 1200/KVM 36 | 118' BOOM, 171 CY/HR, 1,285 PSI, TRUCK MTD, ADD TRUCK | 230 HP D-on | | $443,128 | 154.19 | 34.32 | 49.29 | 9.67 | 16.56 | 620 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C55* | | | *SCHWING AMERICA, INC. (continued)* | | | | | | | | | | |
| | C55SC009 | BPL 1200/KVM 42 | 138' BOOM, 196 CY/HR, 1,184 PSI, TRUCK MTD, ADD TRUCK | 350 HP | D-on | | $565,296 | 202.23 | 43.85 | 63.03 | 12.33 | 25.20 | 730 |
| **C60** | **CONCRETE SAWS (sawblade wear not included)** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE SAWS (sawblade wear not included)** | | | | | | | | | | |
| | | | **CUSHION CUT** | | | | | | | | | | |
| | C60CQ008 | RS16 | 1" DEPTH/CUT, 8" BLADE WIDTH, MANUAL | 16 HP | G | | $3,880 | 5.39 | 0.38 | 0.58 | 0.09 | 2.74 | 2 |
| | C60CQ011 | 6500RW14A1 | 4.625" DEPTH/CUT, 14" BLADE GRD, 8 BELT | 65 HP | G | | $12,736 | 20.72 | 1.25 | 1.91 | 0.29 | 11.12 | 13 |
| | C60CQ005 | 815WR | 4.875" DEPTH/CUT, 14" BLADE GRD, WALK BEHIND | 11 HP | G | | $2,013 | 3.45 | 0.20 | 0.30 | 0.05 | 1.88 | 2 |
| | C60CQ006 | 1613 SP | 4.875" DEPTH/CUT, 14" BLADE WIDTH, S/P, W/RECOIL | 13 HP | G | | $3,224 | 4.40 | 0.31 | 0.48 | 0.07 | 2.22 | 3 |
| | C60CQ004 | 9516E3 | 5.625" DEPTH/CUT, 16" BLADE GRD | 5 HP | E | | $2,800 | 2.09 | 0.27 | 0.42 | 0.06 | 0.63 | 2 |
| | C60CQ002 | 9816H | 5.625" DEPTH/CUT, 16" BLADE GRD | 8 HP | G | | $2,225 | 2.80 | 0.22 | 0.33 | 0.05 | 1.37 | 2 |
| | C60CQ003 | 9136H | 5.625" DEPTH/CUT, 16" BLADE GRD | 13 HP | G | | $2,570 | 4.16 | 0.26 | 0.39 | 0.06 | 2.22 | 2 |
| | C60CQ009 | 3520EC | 7.75" DEPTH/CUT, 20" BLADE WIDTH, S/P | 20 HP | E | | $9,974 | 7.89 | 0.98 | 1.50 | 0.23 | 2.52 | 10 |
| | C60CQ001 | 3535WC | 7.75" DEPTH/CUT, 20" BLADE GRD, S/P (ADD BLADE) | 35 HP | G | | $9,780 | 12.30 | 0.96 | 1.47 | 0.22 | 5.99 | 10 |
| | C60CQ007 | 1675 SP | 7.875" DEPTH/CUT, 20" BLADE WIDTH, S/P | 8 HP | E | | $4,744 | 3.45 | 0.47 | 0.71 | 0.11 | 1.01 | 3 |
| | C60CQ014 | 6530RWE | 10.625" DEPTH/CUT, 26" BLADE GRD | 30 HP | E | | $12,676 | 10.94 | 1.24 | 1.90 | 0.29 | 3.78 | 13 |
| | C60CQ015 | 6572RWTD26 | 10.625" DEPTH/CUT, 26" BLADE GRD | 72 HP | D-off | | $21,869 | 79.84 | 2.14 | 3.28 | 0.50 | 47.69 | 20 |
| | C60CQ012 | 6500RW26V1 | 10.625" DEPTH/CUT, 26" BLADE GRD,10 BELT | 65 HP | G | | $12,856 | 20.77 | 1.26 | 1.93 | 0.29 | 11.12 | 13 |
| | C60CQ010 | 3528DT | 12.125" DEPTH/CUT, 30" BLADE WIDTH, S/P, W/TRANSAXLE | 28 HP | D-off | | $14,986 | 33.58 | 1.47 | 2.25 | 0.34 | 18.55 | 10 |
| | C60CQ013 | 6500RW36L1 | 14.825" DEPTH/CUT, 36" BLADE GRD,10 BELT | 65 HP | G | | $13,534 | 21.03 | 1.33 | 2.03 | 0.31 | 11.12 | 13 |
| | C60CQ016 | 6572RWTD36 | 14.875" DEPTH/CUT, 36" BLADE GRD | 72 HP | D-off | | $22,005 | 79.89 | 2.15 | 3.30 | 0.50 | 47.69 | 20 |
| | C60CQ017 | 6572RWTD54 | 22.875" DEPTH/CUT, 54" BLADE GRD | 72 HP | D-off | | $26,284 | 81.55 | 2.57 | 3.94 | 0.60 | 47.69 | 20 |
| | | | **FELKER** | | | | | | | | | | |
| | C60FE001 | S80/12Z | 4" DEPTH OF CUT, 12" BLADE, HANDHELD | 1 HP | G | | $1,043 | 0.65 | 0.10 | 0.16 | 0.02 | 0.17 | 1 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***C60*** | | | ***FELKER (continued)*** | | | | | | | | | | |
| | C60FE002 | S80/14Z | 5" DEPTH OF CUT, 14" BLADE, HANDHELD | 2 HP | G | | $1,101 | 0.92 | 0.12 | 0.17 | 0.03 | 0.34 | 1 |
| | C60FE006 | CCS 8KM | 4.625" DEPTH/CUT, 14" BLADE, WALK-BEHIND | 8 HP | G | | $2,135 | 2.77 | 0.21 | 0.32 | 0.05 | 1.37 | 3 |
| | C60FE007 | CCS 13H | 4.625" DEPTH/CUT, 14" BLADE, WALK-BEHIND | 13 HP | G | | $2,617 | 4.17 | 0.26 | 0.39 | 0.06 | 2.22 | 2 |
| | C60FE009 | MRCII20H | 7.5" DEPTH/CUT, 20" BLADE | 20 HP | G | | $7,957 | 7.94 | 0.78 | 1.19 | 0.18 | 3.42 | 6 |
| | | | **CUSHION CUT DIVISION, BOART LONGYEAR** | | | | | | | | | | |
| | C60LY001 | 360-10AP | WALL SAW SYSTEM, 1700 PSI (INCLUDES POWER PACK & BLADE) | 10 HP | G | | $20,265 | 10.31 | 1.98 | 3.04 | 0.46 | 1.71 | 2 |
| | C60LY002 | 360-35HM | WALL SAW SYSTEM, 2500 PSI (INCLUDES POWER PACK & BLADE) | 35 HP | G | | $32,330 | 21.08 | 3.17 | 4.85 | 0.74 | 5.99 | 2 |
| | C60LY005 | 815WR | 7" DEPTH OF CUT, WALK-BEHIND | 11 HP | G | | $2,013 | 3.45 | 0.20 | 0.30 | 0.05 | 1.88 | 2 |
| | C60LY011 | WSF-36 | HEAVY DUTY WIRE SAW SYSTEM | 52 HP | D-off | | $49,683 | 70.84 | 4.86 | 7.45 | 1.13 | 34.44 | 15 |
| | C60LY012 | 9000 | 5.625" DEPTH OF CUT, WALK-BEHIND | 8 HP | G | | $2,373 | 2.86 | 0.23 | 0.36 | 0.05 | 1.37 | 9 |
| **C65** | **CONCRETE VIBRATORS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CONCRETE VIBRATORS** | | | | | | | | | | |
| | | | **STOW MANUFACTURING, INC.** | | | | | | | | | | |
| | C65ST007 | DI-1 115V | 1.375" HEAD, 21' SHFT (ADD GENERATOR) | 1 HP | E | | $907 | 1.07 | 0.12 | 0.20 | 0.02 | 0.09 | 1 |
| | C65ST010 | 75ER 115V | 1.375" HEAD, 21' SHFT (ADD GENERATOR) | 1 HP | E | | $912 | 1.08 | 0.13 | 0.21 | 0.02 | 0.09 | 1 |
| | C65ST008 | DI-2 115V | 2.375" HEAD, 21' SHFT (ADD GENERATOR) | 2 HP | E | | $1,024 | 1.35 | 0.15 | 0.23 | 0.03 | 0.18 | 1 |
| | C65ST011 | 130ER 115V | 2.125" HEAD, 21' SHFT (ADD GENERATOR) | 2 HP | E | | $1,144 | 1.48 | 0.16 | 0.26 | 0.03 | 0.18 | 1 |
| | C65ST009 | DI-3 115V | 2.625" HEAD, 21' SHFT (ADD GENERATOR) | 3 HP | E | | $1,251 | 1.72 | 0.17 | 0.28 | 0.03 | 0.27 | 1 |
| | C65ST012 | 200ER 115V | 2.625" HEAD, 21' SHFT (ADD GENERATOR) | 3 HP | E | | $1,293 | 1.76 | 0.18 | 0.29 | 0.03 | 0.27 | 1 |
| | C65ST013 | G550HC | 2.625" HEAD, 21' SHFT (ADD GENERATOR) | 6 HP | G | | $1,713 | 2.73 | 0.24 | 0.39 | 0.04 | 0.68 | 2 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | C65WC005 | B 5000 | HI-FREQ INTERNAL, 1.75"HD WITH GAS MOTOR | 5 HP | G | | $1,564 | 2.64 | 0.22 | 0.35 | 0.04 | 0.62 | 1 |
| | C65WC004 | M 3000 | HI-FREQ INTERNAL,1.75"HD (ADD GENERATOR) | 3 HP | E | | $1,245 | 1.86 | 0.17 | 0.28 | 0.03 | 0.27 | 1 |
| | C65WC003 | IREN 57 | HI-FREQ INTERNAL, 2.5"HD (ADD GENERATOR) | 2 HP | E | | $2,331 | 2.84 | 0.32 | 0.52 | 0.06 | 0.18 | 1 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | | |
| | C65XX001 | A-25010 | 2.5" DIA HEAD (ADD COMPRESSOR) | 40 CFM | A | | $868 | 0.96 | 0.12 | 0.20 | 0.02 | 0.00 | 1 |
| | C65XX002 | A-30010 | 3" DIA HEAD (ADD COMPRESSOR) | 64 CFM | A | | $1,050 | 1.17 | 0.15 | 0.24 | 0.03 | 0.00 | 1 |
| | C65XX003 | A-35010 | 3.5" DIA HEAD (ADD COMPRESSOR) | 82 CFM | A | | $1,163 | 1.30 | 0.16 | 0.26 | 0.03 | 0.00 | 1 |
| | C65XX004 | A-450SH | 4.5" DIA HEAD (ADD COMPRESSOR) | 110 CFM | A | | $1,400 | 1.58 | 0.19 | 0.32 | 0.03 | 0.00 | 1 |
| | C65XX005 | A-600SH | 6" DIA HEAD (ADD COMPRESSOR) | 125 CFM | A | | $2,558 | 2.79 | 0.35 | 0.58 | 0.06 | 0.00 | 1 |
| **C75** | **CRANES, HYDRAULIC, SELF-PROPELLED** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CRANES, HYDRAULIC, SELF-PROPELLED** | | | | | | | | | | |
| | | | **BRODERSON MANUFACTURING COMPANY** | | | | | | | | | | |
| | C75BD004 | IC-35 | 4.0 TON, 19' HYD-BOOM, YARD CRANE, 4X2 | 42 HP | G | | $65,352 | 18.77 | 3.36 | 3.91 | 1.40 | 5.99 | 74 |
| | C75BD005 | IC-80-F | 9.0 TON, 30' HYD-BOOM, YARD CRANE, 4X2 | 66 HP | G | | $84,778 | 26.67 | 4.35 | 5.07 | 1.81 | 9.41 | 144 |
| | C75BD006 | IC-200-3D | 15.0 TON, 50' HYD-BOOM, YARD CRANE, 4X2 | 110 HP | G | | $124,972 | 41.93 | 6.39 | 7.43 | 2.67 | 15.68 | 297 |
| | | | **GROVE WORLDWIDE (Includes GROVE & MANLIFT)** | | | | | | | | | | |
| | C75GV021 | YB4410 | 10 TON, 30' HYD BOOM, YARD CRANE, 4X4 | 62 HP | G | | $99,787 | 28.23 | 5.12 | 5.98 | 2.13 | 8.84 | 173 |
| | C75GV022 | YB4415XT | 15 TON, 52' HYD BOOM, YARD CRANE, 4X4 | 110 HP | D-off | | $120,450 | 27.68 | 6.15 | 7.16 | 2.57 | 6.18 | 313 |
| | C75GV006 | RT58D | 20 TON, 60' HYD BOOM, ROUGH TERRAIN, 4X4 | 130 HP | D-off | | $234,245 | 47.59 | 12.00 | 14.00 | 5.00 | 7.30 | 441 |
| | C75GV023 | RT530E | 30 TON, 95' HYD BOOM, ROUGH TERRAIN, 4X4 | 152 HP | D-off | | $287,291 | 61.04 | 14.43 | 16.57 | 6.14 | 8.54 | 580 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***C75*** | | | ***GROVE WORLDWIDE (Includes GROVE & MANLIFT) (continued)*** | | | | | | | | | |
| | C75GV024 | RT640C | 40 TON, 105' HYD BOOM, ROUGH TERRAIN,4X4 | 152 HP D-off | | $406,681 | 79.64 | 20.60 | 23.82 | 8.69 | 8.54 | 650 |
| | C75GV019 | RT750 | 50 TON, 110' HYD BOOM, ROUGH TERRAIN,4X4 | 177 HP D-off | | $557,963 | 105.30 | 28.41 | 32.98 | 11.92 | 9.94 | 876 |
| | C75GV014 | RT760 | 60 TON, 110' HYD BOOM, ROUGH TERRAIN,4X4 W/HOOK BLOCK & BALL | 198 HP D-off | | $597,645 | 112.94 | 30.49 | 35.43 | 12.77 | 11.12 | 909 |
| | C75GV025 | RT870 | 70 TON, 110' HYD BOOM, ROUGH TERRAIN,4X4 | 198 HP D-off | | $670,251 | 124.24 | 34.24 | 39.83 | 14.32 | 11.12 | 1,038 |
| | C75GV020 | RT890 | 90 TON, 114' HYD BOOM, ROUGH TERRAIN,4X4 | 250 HP D-off | | $702,897 | 133.59 | 35.91 | 41.78 | 15.02 | 14.04 | 1,119 |
| | C75GV016 | RT9100 | 100TON, 114' HYD BOOM, ROUGH TERRAIN,4X4 W/HOOK BLOCK & BALL | 250 HP D-off | | $883,518 | 164.00 | 45.03 | 52.30 | 18.88 | 14.04 | 1,364 |
| | | | **LINK BELT CONSTRUCTION COMPANY** | | | | | | | | | |
| | C75LB007 | RTC-8030- Series | 30 TON, 91' HYD BOOM, ROUGH TERRAIN,4X4 | 152 HP D-off | | $271,767 | 55.53 | 13.91 | 16.19 | 5.81 | 8.54 | 569 |
| | C75LB008 | RTC-8040- Series | 40 TON, 105' HYD BOOM, ROUGH TERRAIN,4X4 | 165 HP D-off | | $389,690 | 75.44 | 19.95 | 23.23 | 8.33 | 9.27 | 702 |
| | C75LB009 | RTC-8050 | 50 TON, 110' HYD BOOM, ROUGH TERRAIN,4X4 | 215 HP D-off | | $493,261 | 94.36 | 24.71 | 28.34 | 10.54 | 12.07 | 854 |
| | C75LB010 | RTC-8065 | 65 TON, 115' HYD BOOM, ROUGH TERRAIN,4X4 | 210 HP D-off | | $553,348 | 103.33 | 27.82 | 31.99 | 11.82 | 11.79 | 934 |
| | C75LB011 | RTC-8070 | 70 TON, 127' HYD BOOM, ROUGH TERRAIN,4X4 | 210 HP D-off | | $574,333 | 106.60 | 28.90 | 33.26 | 12.27 | 11.79 | 954 |
| | | | **TADANO AMERICA CORPORATION** | | | | | | | | | |
| | C75TD003 | TR-300XL-3 | 30 TON, 112' BOOM, ROUGH TERRAIN, 4X4 | 180 HP D-off | | $310,369 | 64.51 | 15.85 | 18.43 | 6.63 | 10.11 | 537 |
| | C75TD006 | TR-350XL-3 | 35 TON, 155' BOOM, ROUGH TERRAIN, 4X4 | 247 HP D-off | | $363,945 | 78.49 | 18.59 | 21.61 | 7.78 | 13.87 | 621 |
| | C75TD007 | TR-500XL-3 | 50 TON, 175' BOOM, ROUGH TERRAIN, 4X4 | 247 HP D-off | | $581,988 | 112.23 | 29.52 | 34.17 | 12.43 | 13.87 | 882 |
| | C75TD008 | TR-650XL-3 | 65 TON, 180' BOOM, ROUGH TERRAIN, 4X4 | 247 HP D-off | | $540,336 | 108.34 | 27.46 | 31.84 | 11.54 | 13.87 | 945 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | C75TE001 | RT230 | 30 TON, 94' HYD BOOM, ROUGH TERRAIN,4X4 | 130 HP D-off | | $292,641 | 57.05 | 14.98 | 17.45 | 6.25 | 7.30 | 563 |
| | C75TE002 | RT335/40 | 40 TON, 94' HYD BOOM, ROUGH TERRAIN,4X4 | 152 HP D-off | | $400,942 | 76.17 | 20.53 | 23.91 | 8.57 | 8.54 | 634 |
| | C75TE003 | RT450 | 50 TON, 105' HYD BOOM, ROUGH TERRAIN,4X4 | 174 HP D-off | | $384,806 | 76.98 | 19.56 | 22.68 | 8.22 | 9.77 | 767 |
| | C75TE004 | RT160 | 60 TON, 115' HYD BOOM, ROUGH TERRAIN,4X4 | 215 HP D-off | | $464,439 | 89.87 | 23.22 | 26.59 | 9.92 | 12.07 | 905 |
| | C75TE005 | RT175 | 75 TON, 126' HYD BOOM, ROUGH TERRAIN,4X4 | 260 HP D-off | | $628,583 | 118.97 | 31.71 | 36.56 | 13.43 | 14.60 | 982 |
| | C75TE006 | RT190 | 90 TON, 124' HYD BOOM, ROUGH TERRAIN,4X4 | 260 HP D-off | | $680,030 | 126.98 | 34.37 | 39.68 | 14.53 | 14.60 | 1,106 |
| | C75TE007 | RT110 | 100TON, 149' HYD BOOM, ROUGH TERRAIN,4X4 | 260 HP D-off | | $779,549 | 147.39 | 39.76 | 46.21 | 16.65 | 14.60 | 1,230 |
| **C80** | **CRANES, HYDRAULIC, TRUCK MOUNTED** | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **UNDER 26 TON** | | | | | | | | | |
| | | | **LINK BELT CONSTRUCTION COMPANY** | | | | | | | | | |
| | C80LB006 | HTC-814 | 14 TON, 80' BOOM, 6X4 | 200 HP D-off | | $325,438 | 54.42 | 15.41 | 17.04 | 6.89 | 9.50 | 486 |
| | C80LB005 | ATC-822 | 22 TON, 70' HYD BOOM, ALL TERRAIN, 4X4 | 190 HP D-off | | $280,617 | 48.31 | 13.26 | 14.64 | 5.94 | 9.03 | 392 |
| | **SUBCATEGORY 0.02** | | **26 TON THRU 65 TON** | | | | | | | | | |
| | | | **GROVE WORLDWIDE (Includes GROVE & MANLIFT)** | | | | | | | | | |
| | C80GV025 | TMS-540 | 40 TON, 90' HYD BOOM, TRUCK MTD, 6X4 | 300 HP D-off | | $420,794 | 69.31 | 18.71 | 19.71 | 8.85 | 14.26 | 540 |
| | C80GV006 | TMS-700B | 50 TON, 110' HYD BOOM, TRUCK MTD, 8X4 | 400 HP D-off | | $515,460 | 86.92 | 22.91 | 24.14 | 10.84 | 19.01 | 771 |
| | C80GV026 | GMK 3050 | 55 TON, 125' HYD BOOM, ALL TERRAIN, 8X4 | 349 HP D-off | | $567,245 | 90.06 | 25.16 | 26.47 | 11.92 | 16.58 | 745 |
| | | | **LINK BELT CONSTRUCTION COMPANY** | | | | | | | | | |
| | C80LB007 | HTC-830 | 30 TON, 80' BOOM, 6X4 | 200 HP D-off | | $326,784 | 51.97 | 14.48 | 15.21 | 6.87 | 9.50 | 486 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C80* | | | ***LINK BELT CONSTRUCTION COMPANY (continued)*** | | | | | | | | | |
| | C80LB008 | HTC-835 | 35 TON, 101' BOOM, 6X4 | 210 HP D-off | | $345,674 | 54.85 | 15.32 | 16.10 | 7.27 | 9.98 | 514 |
| | C80LB009 | HTC-6650 | 50 TON, 110' BOOM, 8X4 | 234 HP D-off | | $439,603 | 67.53 | 19.49 | 20.50 | 9.24 | 11.12 | 746 |
| | C80LB004 | HTC-8640 | 40 TON, 105' HYD BOOM, TRUCK MTD, 6X4 | 350 HP D-off | | $385,130 | 68.46 | 17.08 | 17.95 | 8.10 | 16.63 | 595 |
| | C80LB003 | HTC-8650 | 50 TON, 110' HYD BOOM, TRUCK MTD, 8X4 | 365 HP D-off | | $462,600 | 78.82 | 20.47 | 21.50 | 9.72 | 17.34 | 818 |
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | C80TE001 | T230 | 30 TON, 94' HYD BOOM, TRUCK MTD, 6X4 | 250 HP D-off | | $365,996 | 59.72 | 16.24 | 17.09 | 7.69 | 11.88 | 506 |
| | C80TE002 | T335/40 | 40 TON, 94' HYD BOOM, TRUCK MTD, 6X4 | 250 HP D-off | | $295,003 | 51.39 | 13.05 | 13.70 | 6.20 | 11.88 | 493 |
| | C80TE003 | T 500 | 50 TON, 110' HYD BOOM, TRUCK MTD, 8X4 | 370 HP D-off | | $390,554 | 70.62 | 17.26 | 18.10 | 8.21 | 17.58 | 806 |
| | **SUBCATEGORY 0.03** | | **66 TON THRU 125 TON** | | | | | | | | | |
| | | | **GROVE WORLDWIDE (Includes GROVE & MANLIFT)** | | | | | | | | | |
| | C80GV020 | TMS-870 | 70 TON, 110' HYD BOOM, TRUCK MTD, 8X4 HYD CRANE, 8X4 | 400 HP D-off | | $741,216 | 111.36 | 31.10 | 31.24 | 15.48 | 19.01 | 9,161 |
| | C80GV021 | TMS-9100 | 100 TON, 110' HYD BOOM, TRUCK MTD, 8X4 | 400 HP D-off | | $987,974 | 140.13 | 41.43 | 41.60 | 20.63 | 19.01 | 1,372 |
| | C80GV022 | TMS-9120 | 120 TON, 110' HYD BOOM, TRUCK MTD, 8X4 | 400 HP D-off | | $1,162,170 | 159.76 | 48.84 | 49.13 | 24.27 | 19.01 | 1,095 |
| | C80GV023 | GMK 4085B | 85 TON, 125' HYD BOOM, ALL TERRAIN, 8X4 | 335 HP D-off | | $861,069 | 121.01 | 36.15 | 36.33 | 17.98 | 15.92 | 896 |
| | C80GV024 | GMK 4100 | 100 TON, 141' HYD BOOM, ALL TERRAIN, 8X4 | 335 HP D-off | | $960,990 | 132.50 | 40.36 | 40.58 | 20.07 | 15.92 | 1,028 |
| | | | **LINK BELT CONSTRUCTION COMPANY** | | | | | | | | | |
| | C80LB001 | HTC-8670 | 70 TON, 115' HYD BOOM, TRUCK MTD, 8X4 | 365 HP D-off | | $530,663 | 85.09 | 22.20 | 22.24 | 11.08 | 17.34 | 936 |
| | C80LB002 | HTC-11100 | 100 TON, 115' HYD BOOM, TRUCK MTD, 8X4 | 430 HP D-off | | $712,164 | 110.24 | 29.83 | 29.91 | 14.87 | 20.43 | 1,139 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **TADANO AMERICA CORPORATION** | | | | | | | | | |
| | C80TD001 | ATF-650XL | 65 TON, 132' BOOM, ALL TERRAIN, 8X6-8X8 | 121 HP D-off | 349 HP D-on | $593,094 | 83.74 | 24.61 | 24.43 | 12.39 | 9.94 | 1,090 |
| | C80TD002 | ATF-1000XL | 100 TON, 138' BOOM, ALL TERRAIN, 8X4-8X8 | 158 HP D-off | 375 HP D-on | $737,995 | 102.99 | 30.71 | 30.59 | 15.41 | 12.01 | 1,070 |
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | C80TE004 | T 750 | 75 TON, 126' HYD BOOM, TRUCK MTD, 8X4 | 414 HP D-off | | $564,700 | 92.26 | 23.61 | 23.64 | 11.79 | 19.67 | 1,001 |
| | **SUBCATEGORY 0.04** | | **OVER 125 TON** | | | | | | | | | |
| | | | **GROVE WORLDWIDE (Includes GROVE & MANLIFT)** | | | | | | | | | |
| | C80GV013 | GMK 5150B | 150 TON, 173' HYD BOOM, ALL TERRAIN,10X8 | 165 HP D-off | 526 HP D-off | $1,224,072 | 157.10 | 48.92 | 46.88 | 25.48 | 12.38 | 1,180 |
| | C80GV014 | GMK 5175 | 175 TON, 173' HYD BOOM, ALL TERRAIN,10X8 | 165 HP D-off | 526 HP D-off | $1,562,532 | 195.08 | 62.50 | 59.96 | 32.52 | 12.38 | 1,336 |
| | C80GV015 | GMK 5210 | 210 TON, 173' HYD BOOM, ALL TERRAIN,10X8 | 165 HP D-off | 571 HP D-off | $1,686,412 | 209.50 | 67.47 | 64.74 | 35.10 | 12.77 | 2,348 |
| | C80GV016 | GMK 6300B | 300 TON, 173' HYD BOOM, ALL TERRAIN,12X8 | 269 HP D-off | 533 HP D-off | $2,141,836 | 267.28 | 85.71 | 82.26 | 44.58 | 17.39 | 1,425 |
| | | | **TADANO AMERICA CORPORATION** | | | | | | | | | |
| | C80TD005 | ATF-1500XL | 150 TON, 162'BOOM, ALL TERRAIN,10X6-10X8 | 533 HP D-off | 503 HP D-on | $886,125 | 144.16 | 35.12 | 33.35 | 18.44 | 31.37 | 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 COMPANY** | | | | | | | | | |
| | C85LB019 | LS-208H II | 80 TON, 100' LATTICE BOOM, CRAWLER MTD (ADD DRAGLINE OR CLAMSHELL BUCKET) | 263 HP D-off | | $621,789 | 102.67 | 29.20 | 31.09 | 13.65 | 10.60 | 1,480 |
| | C85LB020 | LS-218H II | 110 TON, 100' LATTICE BOOM, CRAWLER MTD (ADD DRAGLINE OR CLAMSHELL BUCKET) | 263 HP D-off | | $815,948 | 129.95 | 38.31 | 40.80 | 17.91 | 10.60 | 1,773 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | C85TE001 | 5220 | 7 TON DRAGLINE/CLAM, 100' LATTICE BOOM (ADD DRAGLINE OR CLAM BUCKET) | 150 HP D-off | | $526,691 | 82.73 | 24.73 | 26.33 | 11.56 | 6.05 | 831 |
| | C85TE002 | 7225 | 9.75TON DRAGLINE/CLAM, 100' LATTICE BOOM (ADD DRAGLINE OR CLAM BUCKET) | 250 HP D-off | | $733,358 | 117.60 | 34.44 | 36.67 | 16.10 | 10.08 | 1,259 |
| | **SUBCATEGORY 0.13** | | **DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY** | | | | | | | | | |
| | | | **LINK BELT CONSTRUCTION COMPANY** | | | | | | | | | |
| | C85LB021 | LS-238H | 150 TON, 100' LATTICE BOOM, CRAWLER MTD (ADD DRAGLINE OR CLAMSHELL BUCKET) | 207 HP D-off | | $906,422 | 132.55 | 39.92 | 40.29 | 19.77 | 8.35 | 2,435 |
| | C85LB022 | LS-248H II | 200 TON, 120' LATTICE BOOM, CRAWLER MTD (ADD DRAGLINE OR CLAMSHELL BUCKET) | 248 HP D-off | | $1,212,747 | 175.82 | 53.40 | 53.90 | 26.45 | 10.00 | 3,228 |
| | | | **MANITOWOC ENGINEERING COMPANY** | | | | | | | | | |
| | C85MA001 | 3900 VICON | 3.5 CY DRAGLINE/CLAM, 80' BOOM, 20' 4"CRAWLERS W/38"SHOES (ADD BUCKET) | 335 HP D-off | | $927,226 | 141.98 | 40.84 | 41.21 | 20.23 | 13.51 | 1,988 |
| | C85MA002 | 4100W VICON #1 | 5 CY DRAGLINE/CLAM, 130' BOOM, 26' 6"CRAWLERS W/48"SHOES (ADD BUCKET) | 335 HP D-off | | $1,500,063 | 218.95 | 66.06 | 66.67 | 32.72 | 13.51 | 3,815 |
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | C85TE003 | 9225 | 15 TON DRAGLINE/CLAM, 100' LATTICE BOOM (ADD DRAGLINE OR CLAM BUCKET) | 335 HP D-off | | $929,643 | 142.31 | 40.94 | 41.32 | 20.28 | 13.51 | 2,482 |
| | **SUBCATEGORY 0.14** | | **DRAGLINE, CLAMSHELL, OVER 5.0 CY** | | | | | | | | | |
| | | | **LINK BELT CONSTRUCTION COMPANY** | | | | | | | | | |
| | C85LB023 | LS-278H | 250 TON, 120' LATTICE BOOM, CRAWLER MTD (ADD DRAGLINE OR CLAMSHELL BUCKET) | 440 HP D-off | | $1,479,499 | 214.83 | 61.71 | 59.18 | 32.12 | 17.74 | 4,313 |
| | | | **MANITOWOC ENGINEERING COMPANY** | | | | | | | | | |
| | C85MA003 | 4600 VICON #3 | 7 CY DRAGLINE/CLAM, 140' BOOM, 26' 1"CRAWLERS W/60"SHOES (ADD BUCKET) | 680 HP D-off | | $1,760,563 | 263.92 | 73.43 | 70.42 | 38.22 | 27.42 | 5,100 |
| | C85MA009 | 888 | 10 CY DRAGLINE/CLAM, 70' BOOM, 28' 2.5" CRAWLERS W/48" SHOES, ADD BKT | 330 HP D-off | | $1,169,213 | 168.83 | 48.77 | 46.77 | 25.38 | 13.31 | 3,397 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.22** | | **LIFTING, 26 TON THRU 50 TON** | | | | | | | | | |
| | | | **LINK BELT CONSTRUCTION COMPANY** | | | | | | | | | |
| | C85LB018 | LS-108H II | 50 TON, 70' LATTICE BOOM, CRAWLER MTD (ADD DRAGLINE /CLAMSHELL BUCKET) | 147 HP D-off | | $397,267 | 53.30 | 17.50 | 17.66 | 8.67 | 4.45 | 1,040 |
| | C85LB012 | LS-108H II | 50 TON, 140' LATTICE BOOM, CRAWLER MTD | 147 HP D-off | | $451,261 | 59.78 | 19.87 | 20.06 | 9.84 | 4.45 | 1,074 |
| | **SUBCATEGORY 0.23** | | **LIFTING, 51 TON THRU 150 TON** | | | | | | | | | |
| | | | **KOBELCO AMERICA, INC.** | | | | | | | | | |
| | C85KC004 | CK550 | 55 TON, 160' LATTICE BOOM, CRAWLER MTD | 178 HP D-off | | $524,480 | 68.93 | 22.10 | 22.29 | 10.95 | 5.38 | 1,071 |
| | C85KC005 | CK850 | 85 TON, 180' LATTICE BOOM, CRAWLER MTD | 213 HP D-off | | $608,179 | 80.20 | 25.63 | 25.85 | 12.70 | 6.44 | 1,729 |
| | C85KC003 | CK1000 | 100 TON, 200' LATTICE BOOM, CRAWLER MTD | 265 HP D-off | | $832,117 | 108.69 | 35.06 | 35.36 | 17.38 | 8.01 | 1,899 |
| | | | **LINK BELT CONSTRUCTION COMPANY** | | | | | | | | | |
| | C85LB013 | LS-208H II | 80 TON, 190' LATTICE BOOM, CRAWLER MTD | 263 HP D-off | | $654,361 | 87.59 | 27.57 | 27.81 | 13.66 | 7.95 | 1,456 |
| | C85LB014 | LS-218H II | 110 TON, 230' LATTICE BOOM, CRAWLER MTD | 263 HP D-off | | $858,593 | 111.74 | 36.18 | 36.49 | 17.93 | 7.95 | 1,906 |
| | C85LB015 | LS-238H | 150 TON, 240' LATTICE BOOM, CRAWLER MTD | 207 HP D-off | | $970,335 | 122.78 | 40.88 | 41.24 | 20.26 | 6.26 | 2,553 |
| | | | **MANITOWOC ENGINEERING COMPANY** | | | | | | | | | |
| | C85MA004 | 3900 VICON | 100 TON LIFTING CRANE, 210' BOOM, 20' 4" CRAWLERS W/38" SHOES | 335 HP D-off | | $955,934 | 126.06 | 40.28 | 40.63 | 19.96 | 10.13 | 2,354 |
| | C85MA008 | 3950W | 125 TON LIFTING CRANE, 260' BOOM, 24' CRAWLERS W/48" SHOES | 335 HP D-off | | $1,224,564 | 157.82 | 51.59 | 52.04 | 25.57 | 10.13 | 3,121 |
| | C85MA005 | 3900W VICON #2 | 140 TON LIFTING CRANE, 250' BOOM, 24' CRAWLERS W/48" SHOES | 335 HP D-off | | $1,092,769 | 142.24 | 46.04 | 46.44 | 22.82 | 10.13 | 2,744 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | C85TE008 | HC 80 | 80 TON, 200' LATTICE BOOM, CRAWLER MTD | 184 HP D-off | | $575,831 | 75.22 | 24.26 | 24.47 | 12.02 | 5.56 | 1,527 |
| | C85TE009 | HC 100 | 100 TON, 230' LATTICE BOOM, CRAWLER MTD | 230 HP D-off | | $717,984 | 93.84 | 30.25 | 30.51 | 14.99 | 6.96 | 2,033 |
| | C85TE010 | HC 125 | 125 TON, 240' LATTICE BOOM, CRAWLER MTD | 240 HP D-off | | $909,431 | 116.86 | 38.32 | 38.65 | 18.99 | 7.26 | 2,128 |
| | **SUBCATEGORY 0.24** | | **LIFTING, OVER 150 TON** | | | | | | | | | |
| | | | **KOBELCO AMERICA, INC.** | | | | | | | | | |
| | C85KC006 | CK2500 | 250 TON, 280' LATTICE BOOM, CRAWLER MTD | 279 HP D-off | | $1,564,389 | 191.26 | 62.78 | 60.44 | 32.56 | 8.44 | 4,985 |
| | | | **LINK BELT CONSTRUCTION COMPANY** | | | | | | | | | |
| | C85LB016 | LS-248H II | 200 TON, 280' LATTICE BOOM, CRAWLER MTD | 248 HP D-off | | $1,263,375 | 155.36 | 50.71 | 48.81 | 26.30 | 7.50 | 3,341 |
| | C85LB017 | LS-278H | 250 TON, 330' LATTICE BOOM, CRAWLER MTD | 440 HP D-off | | $1,652,082 | 207.76 | 66.31 | 63.83 | 34.39 | 13.31 | 4,309 |
| | | | **MANITOWOC ENGINEERING COMPANY** | | | | | | | | | |
| | C85MA006 | 4100W VICON #1 | 200 TON LIFTING CRANE, 260' BOOM, 26' 6" CRAWLERS W/48" SHOES | 335 HP D-off | | $1,433,905 | 178.45 | 57.54 | 55.40 | 29.84 | 10.13 | 3,929 |
| | C85MA010 | 888 | 230 TON LIFTING CRANE, 300' BOOM, | 330 HP D-off | | $1,458,081 | 181.03 | 58.52 | 56.33 | 30.35 | 9.98 | 3,697 |
| | C85MA007 | 4600 VICON #3 | 240 TON LIFTING CRANE, 260' BOOM, 26' 1" CRAWLERS W/60" SHOES | 431 HP D-off | | $2,248,212 | 276.05 | 90.22 | 86.86 | 46.79 | 13.03 | 4,942 |
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | C85TE014 | HC 185 | 185 TON, 280' LATTICE BOOM, CRAWLER MTD | 315 HP D-off | | $1,226,965 | 153.84 | 49.25 | 47.41 | 25.54 | 9.53 | 3,076 |
| | C85TE011 | HC 210 | 210 TON, 280' LATTICE BOOM, CRAWLER MTD | 315 HP D-off | | $1,346,043 | 167.55 | 54.03 | 52.01 | 28.02 | 9.53 | 3,708 |
| | C85TE012 | 9310-A | 225 TON 280' LATTICE BOOM, CRAWLER MTD | 335 HP D-off | | $1,352,834 | 169.12 | 54.30 | 52.27 | 28.16 | 10.13 | 3,984 |
| | C85TE013 | 9320 | 250 TON 280' LATTICE BOOM, CRAWLER MTD | 335 HP D-off | | $1,484,097 | 184.23 | 59.56 | 57.34 | 30.89 | 10.13 | 4,273 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/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 COMPANY** | | | | | | | | | |
| | C90LB004 | HC-238H | 150 TON, 280' BOOM | 207 HP D-off | 430 HP D-on | $1,094,411 | 141.11 | 43.29 | 39.28 | 23.65 | 12.05 | 2,012 |
| | C90LB005 | HC-248H | 200 TON, 340' BOOM | 248 HP D-off | 430 HP D-on | $1,303,941 | 166.37 | 51.62 | 46.90 | 28.17 | 13.59 | 2,287 |
| | C90LB006 | HC-278H | 300 TON, 450' BOOM | 360 HP D-off | 430 HP D-on | $2,114,262 | 261.72 | 83.87 | 76.37 | 45.68 | 17.78 | 3,265 |
| | C90LB001 | HC-238H | 150 TON,260' LATTICE BOOM, TRUCK MTD,8X4 | 207 HP D-off | 430 HP D-off | $1,179,492 | 149.05 | 46.70 | 42.43 | 25.48 | 10.85 | 1,913 |
| | C90LB002 | HC-248H | 200 TON,280' LATTICE BOOM, TRUCK MTD,8X4 | 248 HP D-off | 430 HP D-off | $1,361,650 | 171.28 | 53.95 | 49.05 | 29.42 | 12.39 | 2,476 |
| | C90LB003 | HC-278H | 300TON,330' LATTICE BOOM, TRUCK MTD,12X6 | 360 HP D-off | 430 HP D-off | $2,157,169 | 266.96 | 85.49 | 77.75 | 46.61 | 16.58 | 3,385 |
| **C95** | **CRANES, TOWER** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **CRANES, TOWER** | | | | | | | | | |
| | | | **MORROW EQUIPMENT COMPANY, PECCO** | | | | | | | | | |
| | C95AP004 | SK200 | HORIZONTAL BOOM, JIB CRANE, 6800# @ HOOK 181' RADIUS& 42.6'HOOK HEIGHT WITH THREE S16 TOWER SECTION (ADD S16&S35 SECTIONS) FREE STANDING, 13.8 TON MAXIMUM CAP, (ADD 95KW,250A GENERATOR OR SITE POWER) | 128 HP E | | $425,341 | 77.34 | 18.73 | 18.90 | 9.28 | 11.65 | 970 |
| | C95AP005 | S16-35 TOWER S | TOWER SEC.S35 TRANSITION TO S16,1.1'TALL TO INCREASE HEIGHT&ADD STRONGER SECTIONS | | | $13,447 | 1.71 | 0.59 | 0.60 | 0.29 | 0.00 | 16 |
| | C95AP006 | S35 TOWER SEC | TOWER SECTION 19.33' TALL, 7.83' X 8' W (OPTION TO INCREASE HEIGHT, SK 140->400) | | | $25,931 | 3.30 | 1.15 | 1.15 | 0.57 | 0.00 | 89 |
| | C95AP007 | SK400 | HORIZONTAL BOOM, JIB CRANE, 6600# @ HOOK 245' RADIUS &56.7'HOOK HEIGHT WITH THREE S35 TOWER SECTION (ADD S35&S60 SECTIONS) FREE STANDING, 22.0 TON MAXIMUM CAP, (ADD 160KW,300A GENERATOR OR SITE POWER) | 213 HP E | | $673,515 | 122.68 | 29.66 | 29.93 | 14.69 | 19.38 | 1,783 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***C95*** | | | ***MORROW EQUIPMENT COMPANY, PECCO (continued)*** | | | | | | | | | | |
| | C95AP008 | S35 CLIMBING U | BOTTOM CLIMBING UNIT, 29.2'TALL,11.5'SQ (OPTION - TO INSTALL S35 TOWER SECTIONS) | | | | $103,961 | 13.73 | 4.58 | 4.62 | 2.27 | 0.00 | 248 |
| | C95AP009 | S35-60 TOWER S | TOWER SEC. S60TRANSITION-> S35,19.4'TALL TO INCREASE HEIGHT AND STRONGER SECTIONS | | | | $34,763 | 4.43 | 1.54 | 1.55 | 0.76 | 0.00 | 99 |
| | C95AP010 | SK560 | HORIZONTAL BOOM, JIB CRANE, 5700# @ HOOK 265' RADIUS& 76.5' HOOK HEIGHT WITH FOUR S60 TOWER SECTION(ADD S60 SECTIONS) FREE STANDING, 35.3 TON MAXIMUM CAP, (ADD 161KW,300A GENERATOR OR SITE POWER) | 217 HP | E | | $894,190 | 151.37 | 39.37 | 39.74 | 19.50 | 19.75 | 1,557 |
| | C95AP011 | S60 TOWER SEC | TOWER SECTION 19.33' TALL, 7.9' SQ (OPTION TO INCREASE HEIGHT, SK225->560) | | | | $32,548 | 4.14 | 1.44 | 1.45 | 0.71 | 0.00 | 99 |
| | C95AP012 | S60 CLIMB UNIT | BOTTOM CLIMBING UNIT,32.8'TALL 7'.91' SQ (OPTION - TO INSTALL S60 TOWER SECTIONS) | | | | $129,227 | 16.94 | 5.69 | 5.74 | 2.82 | 0.00 | 258 |
| | C95AP013 | SN355 | ANGLED 15-82DEG)LUFFING BOOM,TOWER CRANE 7700# @ 197' RADIUS & 110.9' HOOK HEIGHT WITH THREE SN35 TOWER SECTION(ADD SN35 & S60 SECTION)17.6T MAXI CAP,FREE STANDING (ADD 300KW,400A GENERATOR OR SITE POWER) | 354 HP | E | | $862,360 | 167.91 | 37.98 | 38.33 | 18.81 | 32.21 | 2,748 |
| | C95AP014 | SN35 TOWER SE | OPTIONAL 14' 9" TOWER SECTION (ADD TO SN355 CRANE FOR EACH SECTION) | | | | $29,608 | 3.77 | 1.31 | 1.32 | 0.65 | 0.00 | 89 |
| | C95AP015 | SN35 CLIMBING | OPTIONAL 29' 3" TOP CLIMBING OPTION (ADD TO SN355 CRANE FOR EACH SECTION) | | | | $112,892 | 14.36 | 4.97 | 5.02 | 2.46 | 0.00 | 248 |
| | C95AP016 | S35N-60TOWER | TOWER SEC.S60TRANSITION-> SN35,19.4'TALL (ADD TO SN355 CRANE FOR EACH SECTION) | | | | $39,601 | 5.03 | 1.74 | 1.76 | 0.86 | 0.00 | 99 |
| | C95AP017 | SK140 | HORIZONTAL BOOM, JIB CRANE, 6200# @ HOOK 151' RADIUS & 85' HOOK HEIGHT WITH FIVE S16 TOWER SECTION (ADD S16&S35 SECTIONS) FREE STANDING, 6.9TON MAXIMUM CAP, (ADD 95KW, 250A GENERATOR OR SITE POWER) | 125 HP | E | | $365,615 | 68.31 | 16.11 | 16.25 | 7.98 | 11.38 | 1,309 |
| | C95AP018 | S16 TOWER SEC | TOWER SECTION, 14.75' TALL, 7' 7" SQ (OPTION TO INCREASE HEIGHT, SK140->200) | | | | $12,529 | 1.59 | 0.55 | 0.56 | 0.27 | 0.00 | 55 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *C95* | | | ***MORROW EQUIPMENT COMPANY, PECCO (continued)*** | | | | | | | | | | |
| | C95AP019 | S16 CLIMBING U | BOTTOM CLIMBING UNIT,29.2'TALL9.75X9.25' (OPTION - TO INSTALL S16 TOWER SECTIONS) | | | | $70,340 | 9.45 | 3.10 | 3.13 | 1.53 | 0.00 | 165 |
| | C95AP020 | SN141 | ANGLED 15-83DEG)LUFFING BOOM,TOWER CRANE 3300# @ 147' RADIUS @ 89.9' HOOK HEIGHT WITH THEE S16 TOWER SECTION (ADD S16 SECTIONS) 8.8TON MAXI CAP, FREE STANDING (ADD 200KW,300A GENERATOR OR SITE POWER) | 223 HP | E | | $400,954 | 87.53 | 17.66 | 17.82 | 8.75 | 20.29 | 1,082 |
| | C95AP021 | SN160-16 | ANGLED 15-83DEG)LUFFING BOOM,TOWER CRANE 5700# @ 164' RADIUS @ 88.6' HOOK HEIGHT WITH THREE S16 TOWER SECTION(ADD S16 &SN 35SECTIONS)17.6T MAXI CAP, FREE STANDING (ADD 250KW,350A GENERATOR OR SITE POWER) | 258 HP | E | | $624,318 | 122.21 | 27.50 | 27.75 | 13.62 | 23.48 | 1,179 |
| | C95AP022 | PH5000-12 | SINGLE CAR PERSONNEL & MATERIAL HOIST 4,800# CAP, 24 PASSENGERS, 150 FPM, 4'10' X 12'6" X 8'8" TALL CAGE, 10' MAST (REQUIRES 8.6X14'X1' THICK ELEVATOR PIT) (ADD 18 KW,100A GENERATOR OR SITE POWER) | 24 HP | E | | $94,613 | 15.64 | 4.17 | 4.21 | 2.06 | 2.18 | 130 |
| | C95AP023 | MAST SECTION | 4' 11" MAST SECTION FOR PERSONNEL AND MATERIAL HOSTS, REQUIRES WALL TIE AND AND CABLE GUIDE EVERY 30' | | | | $2,233 | 0.29 | 0.10 | 0.10 | 0.05 | 0.00 | 3 |
| | | | **MORROW EQUIPMENT COMPANY** | | | | | | | | | | |
| | C95LH003 | 132 HC | HORIZONTAL BOOM, JIB CRANE, 4850# @ 168" RADIUS & 147.8' HOOK HEIGHT WITH FOURTEEN - 8' 2" TOWER SECTIONS, 8.8 TON MAXIMUM CAP, FREE STANDING (ADD 85KW, 150A GENERATOR OR SITE POWER) | 109 HP | E | | $372,984 | 66.84 | 16.43 | 16.58 | 8.14 | 9.92 | 1,156 |
| | C95LH004 | 132 HC | HORIZONTAL BOOM, JIB CRANE, 4850# @ 168' RADIUS & 100.0' HOOK HEIGHT WITH EIGHT - 8' 2" TOWER SECTIONS AND ONE 16.4' BASE CLIMB UNIT TOWER SECTION (ADD 85KW, 150A GENERATOR OR SITE POWER) | 109 HP | E | | $392,073 | 69.26 | 17.27 | 17.43 | 8.55 | 9.92 | 1,088 |
| | C95LH005 | 200 HC | HORIZONTAL BOOM, JIB CRANE, 5070# @ 201.4' RADIUS & 162.7' HOOK HEIGHT WITH NINE - 13' 7" TOWER SECTIONS, 11.0 TON MAXIMUM CAP, FREE STANDING (ADD 110KW,225A GENERATOR OR SITE POWER) | 148 HP | E | | $484,463 | 87.88 | 21.34 | 21.53 | 10.57 | 13.47 | 1,374 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***C95*** | | | ***MORROW EQUIPMENT COMPANY (continued)*** | | | | | | | | | | |
| | C95LH006 | 200 HC | HORIZONTAL BOOM, JIB CRANE, 5070# @ HOOK 201.4' RADIUS & 146.3' HOOK HEIGHT WITH EIGHT - 13' 7" TOWER SECTIONS AND ONE 13' 7" BASE CLIMB UNIT TOWER SECTION (ADD 110KW,225A GENERATOR OR SITE POWER) | 148 HP | E | | $553,375 | 96.64 | 24.37 | 24.59 | 12.07 | 13.47 | 1,376 |
| | C95LH011 | 390 HC | HORIZONTAL BOOM, JIB CRANE, 6615# @ 246.0" RADIUS & 199.1' HOOK HEIGHT WITH NINE - 19' 0" TOWER SECTIONS, 17.6 TON MAXIMUM CAP, FREE STANDING (ADD 170KW,300A GENERATOR OR SITE POWER) | 223 HP | E | | $906,086 | 153.77 | 39.90 | 40.27 | 19.76 | 20.29 | 2,744 |
| | C95LH012 | 390 HC | HORIZONTAL BOOM, JIB CRANE, 6615# @ 246' RADIUS & 199.1' HOOK HEIGHT WITH EIGHT - 19' 0" TOWER SECTIONS AND ONE 19' 0" BASE CLIMB UNIT TOWER SECTION (ADD 170KW,300A GENERATOR OR SITE POWER) | 223 HP | E | | $1,060,124 | 173.37 | 46.68 | 47.12 | 23.12 | 20.29 | 2,820 |
| | C95LH013 | 550 HC20 | HORIZONTAL BOOM, JIB CRANE,7720# @ 265.0' RADIUS & 237.5' HOOK HEIGHT WITH TWELVE - 19' 0" TOWER SECTIONS, 22.0 TON MAXIMUM CAP, FREE STANDING (ADD 170KW,300A GENERATOR OR SITE POWER) | 223 HP | E | | $1,158,738 | 185.92 | 51.03 | 51.50 | 25.28 | 20.29 | 3,765 |
| | C95LH014 | 550 HC20 | HORIZONTAL BOOM, JIB CRANE,7720# @ 246.0' RADIUS & 251.0' HOOK HEIGHT WITH EIGHT - 26' 3" TOWER SECTIONS, 19' 0" BASE CLIMB UNIT TOWER SECTION (ADD 170KW,300A GENERATOR OR SITE POWER) | 223 HP | E | | $1,275,626 | 200.78 | 56.18 | 56.69 | 27.83 | 20.29 | 3,608 |
| | C95LH015 | 550 HC-L | ANGLED 15-84DEG)LUFFING BOOM,TOWER CRANE 1500# @ 197' RADIUS &210.0' HOOK HEIGHT WITH SIX 19' 0" TOWER SECTION, 26.4 TON MAXIMUM CAP, FREE STANDING (ADD 480KW,800A GENERATOR OR SITE POWER) | 317 HP | E | | $1,544,673 | 251.14 | 68.02 | 68.65 | 33.69 | 28.85 | 5,075 |
| | C95LH016 | 550 HC-L | ANGLED 15-82DEG)LUFFING BOOM,TOWER CRANE 4630# @ 261' RADIUS & 199.5' HOOK HEIGHT WITH SIX 19' 0" TOWER SECTIONS AND ONE 19' 0" BASE CLIMB UNIT TOWER SECTION (ADD 480KW,800A GENERATOR OR SITE POWER) | 317 HP | E | | $1,712,038 | 272.43 | 75.39 | 76.09 | 37.34 | 28.85 | 5,090 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***C95*** | | | ***MORROW EQUIPMENT COMPANY (continued)*** | | | | | | | | | | |
| | C95LH021 | 1800 C | HORIZONTAL BOOM, JIB CRANE,33070# @ 246.0' RADIUS & 302.0' HOOK HEIGHT WITH EIGHT - 32' 10" TOWER SECTIONS, 66.1 TON MAXIMUM CAP, FREE STANDING (ADD 415KW,650A GENERATOR OR SITE POWER) | 550 HP | E | | $2,006,828 | 342.95 | 88.37 | 89.19 | 43.77 | 50.05 | 7,155 |
| | C95LH022 | 97K | SELF-ERECTING, HORIZONTAL BOOM,JIB CRANE 3970 # @ 148' RADIUS & 66' HOOK HEIGHT WITH FIVE - 7' 10" TOWER SECTIONS, 13.2 TON MAXIMUM CAP, FREE STANDING (ADD 40KW, 100A GENERATOR OR SITE POWER) | 35 HP | E | | $334,715 | 49.97 | 14.71 | 14.81 | 7.30 | 3.19 | 1,593 |
| | C95LH023 | 140K | SELF-ERECTING, HORIZONTAL BOOM,JIB CRANE 3525 # @ 180' RADIUS & 146' HOOK HEIGHT WITH EIGHT - 9' 10" TOWER SECTIONS, 11.0 TON MAXIMUM CAP, FREE STANDING (ADD 60KW, 160A GENERATOR OR SITE POWER) | 65 HP | E | | $464,943 | 72.41 | 20.34 | 20.40 | 10.14 | 5.92 | 1,836 |
| **D10** | **DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE** | | | | | | | | | | |
| | | | **INGERSOLL-RAND CONSTRUCTION & MINING** | | | | | | | | | | |
| | D10IN004 | ECM490/YH70 | 2.5"-4" HOLE 15' DRIFTER TRAVEL, SELF CONTAINED | 185 HP | D-off | | $331,705 | 71.25 | 16.49 | 17.77 | 7.60 | 10.92 | 235 |
| | D10IN005 | ECM590/YH80A | 2.5"-4.5" HOLE 14' DRIFTER TRAVEL, SELF CONTAINED | 215 HP | D-off | | $381,067 | 82.04 | 18.94 | 20.41 | 8.73 | 12.69 | 245 |
| | D10IN006 | ECM690/YH110V | 3.5"-5" HOLE 14' DRIFTER TRAVEL, SELF CONTAINED | 310 HP | D-off | | $382,823 | 90.00 | 19.03 | 20.51 | 8.77 | 18.30 | 395 |
| | D10IN003 | ECM350/VL140 | 2.5"-4" HOLE 12' FEED (ADD COMPRESSOR) | 750 CFM | A | | $116,518 | 20.58 | 5.79 | 6.24 | 2.67 | 0.00 | 129 |
| | D10IN002 | ECM350/VL671 | 3"-4" HOLE 12' FEED (ADD COMPRESSOR) | 900 CFM | A | | $130,163 | 22.94 | 6.47 | 6.97 | 2.98 | 0.00 | 131 |
| | | | **REEDDRILL CORPORATION** | | | | | | | | | | |
| | D10RD001 | SCH250011 | 2.5"-3.5" HOLE, HYD DRIFTER, 12' CHANGE, DUST COLLECTOR, TRACK MOUNTED | 180 HP | D-off | | $230,698 | 53.70 | 11.47 | 12.36 | 5.29 | 10.63 | 200 |
| | D10RD002 | SCH3000 | 2.5"-3.5" HOLE, HYD DRIFTER, 14' CHANGE, DUST COLLECTOR, TRACK MOUNTED | 230 HP | D-off | | $250,886 | 61.15 | 12.47 | 13.44 | 5.75 | 13.58 | 310 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *D10* | | | ***REEDDRILL CORPORATION (continued)*** | | | | | | | | | |
| | D10RD003 | SCH4500 | 3.5"-5" HOLE, HYD DRIFTER, 20' CHANGE, 100' DEPTH, DUST COLLECTOR, TRACK MTD | 285 HP D-off | | $399,810 | 90.88 | 19.87 | 21.42 | 9.16 | 16.83 | 370 |
| | D10RD004 | SCH5000 | 3.5"-6.5" HOLE, HYD DRIFTER, 12' CHANGE, 72' DEPTH, DUST COLLECTOR, TRACK MTD | 285 HP D-off | | $393,431 | 89.80 | 19.56 | 21.08 | 9.02 | 16.83 | 435 |
| | D10RD005 | SCH5000CL | 3.5"-6.5" HOLE, HYD DRIFTER, 20' CHANGE, 100' DEPTH, DUST COLLECTOR, TRACK MTD | 285 HP D-off | | $440,413 | 97.77 | 21.89 | 23.59 | 10.09 | 16.83 | 450 |
| | D10RD006 | ATD3800S PR55A | 3.5" HOLE, 12' CHAIN FEED, AIR TRACK, DUST CONTROL | 600 CFM A | | $95,302 | 16.98 | 4.74 | 5.11 | 2.18 | 0.00 | 92 |
| | D10RD007 | ATD3800T PR55A | 4" HOLE, 12' CHAIN FEED, AIR TRACK, TELESCOPIC BOOM, DUST CONTROL | 750 CFM A | | $105,450 | 18.75 | 5.25 | 5.65 | 2.42 | 0.00 | 124 |
| | | | **SULLIVAN INDUSTRIES, INC.** | | | | | | | | | |
| | D10SU002 | RAM EXT, VCR36 | 2.5"-4" HOLE,12' FEED (ADD COMPRESSOR) | 600 CFM A | | $86,462 | 15.48 | 4.30 | 4.63 | 1.98 | 0.00 | 149 |
| | D10SU003 | RAM EXT, VCR36 | 3"-4" HOLE,12' FEED (ADD COMPRESSOR) | 850 CFM A | | $89,540 | 16.01 | 4.45 | 4.80 | 2.05 | 0.00 | 205 |
| | D10SU005 | SCORPION VCR3 | 5.2" HOLE, 12' FEED (INCUDES COMPRESSR) | 260 HP D-off | | $159,237 | 48.00 | 7.92 | 8.53 | 3.65 | 15.35 | 265 |
| | D10SU006 | SCORPION VCR3 | 6.5" HOLE, 12' FEED (INCLUDES COMPRESSR) | 260 HP D-off | | $161,132 | 48.31 | 8.01 | 8.63 | 3.69 | 15.35 | 265 |
| **D15** | **DRILLS, HORIZONTAL BORING & GROUND PIERCING** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **DRILLS, HORIZONTAL BORING & GROUND PIERCING** | | | | | | | | | |
| | | | **BOR-IT MANUFACTURING COMPANY, INC.** | | | | | | | | | |
| | D15BI002 | 20 | 20" DIA, COMBINATION HEAD, 27' TRACK, 44,000# THRUST, 100' AUGER TRACK | 20 HP D-off | | $20,435 | 5.36 | 1.11 | 1.28 | 0.47 | 1.18 | 15 |
| | D15BI003 | 24 | 24" DIA, COMBINATION HEAD, 30' TRACK, 84,000# THRUST, 100' AUGER TRACK | 30 HP D-off | | $32,021 | 8.30 | 1.74 | 2.00 | 0.74 | 1.77 | 38 |
| | D15BI004 | 30 | 30" DIA, COMBINATION HEAD, 30' TRACK, 170,000# THRUST, 100' AUGER TRACK | 45 HP D-off | | $44,756 | 11.85 | 2.43 | 2.80 | 1.03 | 2.66 | 70 |
| | D15BI005 | 36 | 36" DIA, COMBINATION HEAD, 30' TRACK, 225,000# THRUST, 100' AUGER TRACK | 68 HP D-off | | $68,058 | 17.97 | 3.70 | 4.25 | 1.57 | 4.01 | 90 |
| | D15BI006 | 48 | 48" DIA, COMBINATION HEAD, 32' TRACK, 525,000# THRUST, 100' AUGER TRACK | 110 HP D-off | | $106,867 | 28.49 | 5.81 | 6.68 | 2.47 | 6.49 | 170 |
| | D15BI008 | 54 | 54" DIA, COMBINATION HEAD, 32' TRACK, 700,000# THRUST, 100' AUGER TRACK | 171 HP D-off | | $131,311 | 37.92 | 7.15 | 8.21 | 3.04 | 10.10 | 250 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *D15* | | | ***BOR-IT MANUFACTURING COMPANY, INC. (continued)*** | | | | | | | | | | |
| | D15BI007 | 60 | 60" DIA, COMBINATION HEAD, 32' TRACK, 1,100,000# THRUST, 100' AUGER TRACK | 171 HP | D-off | | $156,373 | 42.52 | 8.51 | 9.77 | 3.62 | 10.10 | 250 |
| | | | **UNDERGROUND EQUIPMENT & SUPPLY** | | | | | | | | | | |
| | D15UE001 | 500-RTW | 1"-6" DIA, HORIZ EARTH BORING MACHINE | 6 HP | G | | $4,319 | 2.08 | 0.24 | 0.27 | 0.10 | 0.91 | 2 |
| **D20** | **DRILLS, CORE, COLUMN MOUNTED** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **DRILLS, CORE, COLUMN MOUNTED** | | | | | | | | | | |
| | | | **ACKER DIVISION, CHRISTENSEN-BOYLES** | | | | | | | | | | |
| | D20AD005 | 630-E | 4" DIA MAX CORE HOLE | 2 HP | E | | $4,027 | 1.44 | 0.24 | 0.30 | 0.09 | 0.22 | 1 |
| | D20AD002 | 930-E | 10" DIA MAX CORE HOLE | 2 HP | E | | $4,103 | 1.47 | 0.26 | 0.31 | 0.10 | 0.22 | 2 |
| | D20AD006 | 1040-E | 10" DIA MAX CORE HOLE | 4 HP | E | | $6,659 | 2.51 | 0.41 | 0.50 | 0.16 | 0.45 | 1 |
| | D20AD007 | 1200-G | 12" DIA MAX CORE HOLE | 8 HP | E | | $11,002 | 4.54 | 0.68 | 0.83 | 0.26 | 0.90 | 3 |
| | | | **CUSHION CUT** | | | | | | | | | | |
| | D20CQ001 | HCD24/12 | CORE DRILL WITH STAND, 9"-36" BIT DIA | 42 HP | G | | $25,869 | 14.63 | 1.58 | 1.94 | 0.61 | 6.38 | 11 |
| | | | **CUSHION CUT DIVISION, BOART LONGYEAR** | | | | | | | | | | |
| | D20LY001 | 752 | DRILL, WITH E4-230/110 MOTOR (110V) | 3 HP | E | | $5,938 | 2.29 | 0.37 | 0.45 | 0.14 | 0.34 | 2 |
| | D20LY002 | 42N | DRILL, WITH A4-350 MOTOR (ADD COMPR) | 185 CFM | A | | $6,151 | 1.88 | 0.37 | 0.46 | 0.14 | 0.00 | 3 |
| **D25** | **DRILLS, CORE, SKID MOUNTED** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **DRILLS, CORE, SKID MOUNTED** | | | | | | | | | | |
| | | | **ACKER DIVISION, CHRISTENSEN-BOYLES** | | | | | | | | | | |
| | D25AD003 | BUSH MASTER | NX, 1500' MAX DRILL DEPTH | 69 HP | D-off | | $72,134 | 19.38 | 3.93 | 4.51 | 1.67 | 4.07 | 45 |
| | D25AD004 | ACEW | 725' MAX DRILL DEPTH | 28 HP | D-off | | $57,536 | 13.37 | 3.13 | 3.60 | 1.33 | 1.65 | 35 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **E-Z DRILL, INC.** | | | | | | | | | |
| | D25EZ002 | 210 B | HORIZONTAL DOWELLING ASSEMBLY W/MOBILE ASSEMBLY, 18" MAX DEPTH (ADD 100 CFM COMPRESSOR. 18-25 PSI) | | | $6,694 | 1.81 | 0.35 | 0.40 | 0.15 | 0.00 | 3 |
| | D25EZ003 | 210 SRA | HORIZONTAL DOWELLING ASSEMBLY 18" MAX DEPTH (ADD 100 CFM COMPRESSOR. 5-9 PSI) | | | $7,136 | 1.90 | 0.39 | 0.43 | 0.17 | 0.00 | 3 |
| | D25EZ001 | 210 SR HORIZON | HORIZONTAL DOWELLING ASSEMBLY WITH DRILL DEPTH MAXIMUM 18" (ADD 100 CFM COMPRESSOR, 18-25 PSI) | | | $7,824 | 2.02 | 0.43 | 0.49 | 0.18 | 0.00 | 3 |
| | D25EZ005 | 210-3 SRA | DOWELING MACHINE, SELF-PROPELLED, WITH LIFT AND TRAVEL ASSEMBLY, DRILL DEPTH 18" MAX (ADD 100 CFM COMPRESSOR. 18-25 PSI) | | | $26,581 | 6.43 | 1.43 | 1.63 | 0.61 | 0.00 | 12 |
| **D30** | **DRILLS, EARTH / AUGER** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **DRILLS, EARTH / AUGER** | | | | | | | | | |
| | | | **HYDRAULIC POWER SYSTEMS, INC.** | | | | | | | | | |
| | D30HD001 | H-15 | HYDRAULIC AUGER, W/60' 8" X 21" LEADS, 15,000 FT-LBS TORQUE (ADD CRANE) | 210 HP D-off | | $94,050 | 37.22 | 5.11 | 5.88 | 2.17 | 12.40 | 146 |
| | D30HD002 | H-35VT | HYDRAULIC AUGER, W/60' 8" X 27" LEADS, 33,000 FT-LBS TORQUE (ADD CRANE) | 270 HP D-off | | $140,989 | 52.19 | 7.67 | 8.81 | 3.26 | 15.94 | 200 |
| | D30HD003 | H-50VT | HYDRAULIC AUGER W/60' 8" X 33" LEADS, 50,000 FT-LBS TORQUE (ADD CRANE) | 335 HP D-off | | $183,547 | 66.70 | 9.98 | 11.47 | 4.24 | 19.78 | 269 |
| | | | **MOBILE DRILLING COMPANY, INC.** | | | | | | | | | |
| | D30MR001 | MINUTEMAN | DRILL W/AUGER KIT, 3" DIA, 30' DEPTH, 350 FT-LBS TORQUE, PORTABLE | 8 HP G | | $6,784 | 3.05 | 0.37 | 0.42 | 0.16 | 1.22 | 4 |
| | D30MR003 | B-31 | HYDRAULIC AUGER, 14" DIA, 30' DEPTH, 3,500 FT-LBS TORQUE, TRAILER MOUNTED | 95 HP G | | $32,367 | 26.77 | 1.75 | 2.00 | 0.75 | 14.44 | 42 |
| | D30MR005 | B-53 | MULTI-PURPOSE, 6" DIA, 25' DEPTH, 5,955 FT-LBS TORQUE, WITH 21,000 GVW TRUCK (WITH PTO DRIVE) | 164 HP G | | $70,596 | 49.18 | 3.80 | 4.34 | 1.63 | 24.93 | 120 |
| | D30MR006 | B-57 | MULTI-PURPOSE, 8" DIA, 250' DEPTH, 7,000 FT-LBS TORQUE W/ 21,000 GVW TRUCK | 120 HP G | 164 HP G | $77,741 | 45.51 | 4.20 | 4.79 | 1.80 | 21.36 | 130 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *D30* | | | ***MOBILE DRILLING COMPANY, INC. (continued)*** | | | | | | | | | |
| | D30MR007 | B-61HDX | MULTI-PURPOSE, 8" DIA, 375' DEPTH, 8,900 FT-LBS TORQUE W/ 44,300 GVW TRUCK | 126 HP G | 216 HP G | $131,631 | 58.67 | 7.12 | 8.16 | 3.04 | 23.25 | 205 |
| | | | **REEDDRILL CORPORATION** | | | | | | | | | |
| | D30RD001 | TEXOMA 270 | 4.5' MAX HOLE DIA, 20' DEPTH, (ADD 24,000 GVW TRUCK) | 86 HP G | | $112,047 | 40.31 | 6.09 | 7.00 | 2.59 | 13.07 | 120 |
| | D30RD004 | HDE ECONOMATI | 4' MAX HOLE DIA, 25' DEPTH, (ADD 40-44,000 GVW TRUCK) | 135 HP G | | $119,567 | 52.33 | 6.50 | 7.47 | 2.76 | 20.52 | 140 |
| | D30RD002 | TEXOMA 330 | 6' MAX HOLE DIA, 25' DEPTH, (ADD 44-48,000 GVW TRUCK) | 135 HP G | | $125,271 | 53.45 | 6.82 | 7.83 | 2.90 | 20.52 | 170 |
| | D30RD003 | TEXOMA 500 | 6' MAX HOLE DIA, 35' DEPTH, (ADD 48-50,000 GVW TRUCK) | 135 HP G | | $137,692 | 55.87 | 7.49 | 8.61 | 3.18 | 20.52 | 230 |
| | D30RD005 | TEXOMA 800 | 8' MAX HOLE DIA, 90' DEPTH, (ADD 60,000 GVW TRUCK) | 160 HP D-off | | $331,975 | 77.49 | 18.06 | 20.75 | 7.68 | 9.45 | 440 |
| | D30RD007 | TEXOMA 700 | 6' MAX HOLE DIA, 60' DEPTH, CRAWLER MOUNTED | 130 HP D-off | | $323,838 | 73.48 | 17.61 | 20.24 | 7.49 | 7.68 | 600 |
| | D30RD006 | TEXOMA 800 T | 8' MAX HOLE DIA, 90' DEPTH, CRAWLER MOUNTED | 160 HP D-off | | $387,973 | 88.38 | 21.10 | 24.25 | 8.97 | 9.45 | 680 |
| | D30RD008 | TEXOMA 900 | 8' MAX HOLE DIA, 120' DEPTH, CRAWLER MOUNTED | 210 HP D-off | | $484,708 | 111.22 | 26.36 | 30.29 | 11.21 | 12.40 | 880 |
| | D30RD009 | TEXOMA TAURU | 10' MAX HOLE DIA, 120' DEPTH, CRAWLER MOUNTED | 250 HP D-off | | $635,915 | 143.85 | 34.57 | 39.74 | 14.70 | 14.76 | 1,330 |
| | D30RD010 | CM-100 | 8' MAX HOLE DIA, (ADD 100 TON LIFT CRANE MIN) | 180 HP D-off | | $154,741 | 44.61 | 8.42 | 9.67 | 3.58 | 10.63 | 125 |
| **D35** | **DRILLS, ROTARY BLASTHOLE** | | | | | | | | | | | |
| | **SUBCATEGORY 0.11** | | **DIESEL, 4.5" THRU 9.875" DIAMETER HOLE** | | | | | | | | | |
| | | | **INGERSOLL-RAND CONSTRUCTION & MINING** | | | | | | | | | |
| | D35IN002 | T4-BH/HD | 7.875" DRILLMASTER, TRUCK MOUNTED | 525 HP D-off | 260 HP D-on | $461,505 | 131.59 | 23.28 | 26.14 | 10.21 | 34.12 | 550 |
| | D35IN007 | DM30/HP | 5.125"-6.75" , 30,000 LB PULL-DOWN HIGH PRESSURE | 450 HP D-off | | $456,493 | 118.54 | 23.15 | 26.09 | 10.10 | 26.57 | 620 |
| | D35IN008 | DM45/LP | 5.125"-7.875" , 45,000 LB PULL-DOWN LOW PRESSURE | 450 HP D-off | | $483,664 | 123.22 | 24.52 | 27.64 | 10.70 | 26.57 | 720 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***D35*** | | | ***INGERSOLL-RAND CONSTRUCTION & MINING (continued)*** | | | | | | | | | |
| | D35IN009 | DM45/HP | 5.125"-7.875" , 45,000 LB PULL-DOWN HIGH PRESSURE | 600 HP D-off | | $545,739 | 147.18 | 27.67 | 31.19 | 12.07 | 35.42 | 780 |
| | D35IN010 | DM-L/LP | 6"-9.875" , 45,000 LB BIT LOADING LOW PRESSURE | 525 HP D-off | | $593,644 | 148.83 | 30.09 | 33.92 | 13.13 | 31.00 | 900 |
| | D35IN011 | DM-L/HP | 6"-9.875" , 60,000 LB BIT LOADING HIGH PRESSURE | 600 HP D-off | | $624,591 | 160.79 | 31.67 | 35.69 | 13.82 | 35.42 | 980 |
| | | | **REEDDRILL CORPORATION** | | | | | | | | | |
| | D35RD001 | SK5AD | 4"-7" HOLE, 148' DEPTH, TRUCK MTD, ROTARY BLASTHOLE | 400 HP D-off | 350 HP D-off | $334,084 | 97.51 | 16.94 | 19.09 | 7.39 | 26.64 | 525 |
| | D35RD003 | SK35I | 5"-9" HOLE, 150' DEPTH, TRUCK MTD, ROTARY BLASTHOLE | 335 HP D-off | 270 HP D-off | $370,084 | 96.95 | 18.77 | 21.15 | 8.19 | 22.11 | 590 |
| | D35RD002 | SK25I | 5"-6.75" HOLE, 75' DEPTH, CRWLR MTD, ROTARY BLASTHOLE | 250 HP D-off | 228 HP D-off | $310,130 | 78.55 | 15.72 | 17.72 | 6.86 | 16.73 | 420 |
| | D35RD004 | INFINITY SK40I | 5"-8" HOLE, 173' DEPTH, CRWLR MTD, ROTARY BLASTHOLE | 430 HP D-off | 400 HP D-off | $459,008 | 122.37 | 23.27 | 26.23 | 10.15 | 28.85 | 880 |
| | D35RD006 | INFINITY SK50I | 7"-9.875" HOLE, 178' DEPTH, CRWLR MTD, ROTARY BLASTHOLE | 430 HP D-off | | $484,058 | 121.53 | 24.54 | 27.66 | 10.71 | 25.39 | 900 |
| | D35RD008 | INFINITY SK60I | 7.5"-10.5" HOLE, 210' DEPTH, CWRLR MTD, ROTARY BLASTHOLE | 525 HP D-off | | $559,882 | 143.01 | 28.39 | 31.99 | 12.39 | 31.00 | 1,110 |
| | D35RD005 | INFINITY SK45I | 6"-9" HOLE, 178' DEPTH, LIGHT PRESSURE, CWRLR MTD, BLASTHOLE | 525 HP D-off | | $501,485 | 132.93 | 25.42 | 28.66 | 11.09 | 31.00 | 900 |
| | D35RD007 | INFINITY SK50I | 6.5"-9" HOLE, 178' DEPTH, HIGH PRESSURE, CWRLR MTD, ROTARY BLASTHOLE | 750 HP D-off | | $533,813 | 158.37 | 27.06 | 30.50 | 11.81 | 44.28 | 910 |
| | **SUBCATEGORY 0.12** | | **DIESEL, OVER 9.875" DIAMETER** | | | | | | | | | |
| | | | **INGERSOLL-RAND CONSTRUCTION & MINING** | | | | | | | | | |
| | D35IN004 | T2W | 6"-24", WATER WELL DRILL, TRUCK MOUNTED 30,000 LB PULL BACK | 410 HP D-off | | $403,924 | 91.18 | 17.72 | 17.81 | 8.81 | 24.21 | 446 |
| | D35IN005 | T3W | 6"-18", WATER WELL DRILL, TRUCK MOUNTED 50,000 LB PULL BACK | 465 HP D-off | | $479,106 | 106.20 | 21.03 | 21.15 | 10.45 | 27.45 | 600 |
| | D35IN003 | TH-60 | 16" WATER WELL DRILL, TRUCK MOUNTED | 475 HP D-off | | $456,579 | 103.77 | 20.05 | 20.17 | 9.96 | 28.04 | 460 |
| | D35IN006 | T4W | 6"-20", WATER WELL DRILL, TRUCK MOUNTED 70,000 LB PULL BACK | 600 HP D-off | | $572,577 | 130.49 | 25.15 | 25.31 | 12.49 | 35.42 | 680 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **REEDDRILL CORPORATION** | | | | | | | | | |
| | D35RD009 | INFINITY SK75I | 9"-12" HOLE, 175' DEPTH, | 750 HP D-off | | $753,138 | 167.34 | 33.17 | 33.47 | 16.43 | 44.28 | 1,200 |
| **F10** | **FORK LIFTS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **FORK LIFTS** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | F10CA039 | TH-62 | 3000# @ 25' HIGH, TELESCOPING MAST, 4X4 | 105 HP D-off | | $73,799 | 21.77 | 4.53 | 5.69 | 1.68 | 4.99 | 178 |
| | F10CA040 | TH-63 | 6000# @ 41' HIGH, TELESCOPING MAST, 4X4 | 105 HP D-off | | $100,003 | 27.01 | 6.17 | 7.79 | 2.27 | 4.99 | 264 |
| | F10CA042 | TH-83 | 8000# @ 41' HIGH, TELESCOPING MAST, 4X4 | 105 HP D-off | | $110,573 | 29.01 | 6.85 | 8.68 | 2.51 | 4.99 | 278 |
| | F10CA043 | TH-103 | 10000# @ 44' HIGH, TELESCOPING MAST, 4X4 | 105 HP D-off | | $117,915 | 30.73 | 7.26 | 9.16 | 2.68 | 4.99 | 348 |
| | | | **JCB** | | | | | | | | | |
| | F10JC001 | 930 | 6000#, ROUGH TERRAIN, 4X4, 264" MAST-HT | 75 HP D-off | | $56,055 | 16.11 | 3.41 | 4.28 | 1.27 | 3.56 | 148 |
| | F10JC002 | 940 | 8000#, ROUGH TERRAIN, 4X4, 264" MAST-HT | 75 HP D-off | | $64,280 | 17.78 | 3.93 | 4.93 | 1.46 | 3.56 | 162 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | F10JD001 | 485E | 5000# @ 21' HIGH, STRAIGHT MAST, 4X2 | 73 HP D-off | | $50,757 | 14.83 | 3.08 | 3.85 | 1.15 | 3.47 | 132 |
| | F10JD002 | 486E | 6000# @ 21' HIGH, STRAIGHT MAST, 4X2 | 73 HP D-off | | $51,304 | 14.95 | 3.12 | 3.90 | 1.17 | 3.47 | 134 |
| | F10JD003 | 488E | 8000# @ 21' HIGH, STRAIGHT MAST, 4X2 | 73 HP D-off | | $54,624 | 15.60 | 3.32 | 4.16 | 1.24 | 3.47 | 156 |
| **G10** | **GENERATOR SETS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **PORTABLE** | | | | | | | | | |
| | | | **HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY** | | | | | | | | | |
| | G10HO005 | LR2500 | 2.5 KW, 120/240V | 5 HP G | | $637 | 0.95 | 0.05 | 0.07 | 0.01 | 0.62 | 1 |
| | G10HO006 | LR4400 | 4.4 KW, 120/240V | 8 HP G | | $785 | 1.48 | 0.07 | 0.09 | 0.02 | 0.99 | 2 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *G10* | | | ***HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY (continued)*** | | | | | | | | | | |
| | G10HO007 | LR5500 | 5.5 KW, 120/240V | 11 HP | G | | $952 | 2.01 | 0.08 | 0.11 | 0.02 | 1.36 | 2 |
| | | | **ONAN CORPORATION** | | | | | | | | | | |
| | G10ON001 | 2.5EGH-AA/28018 | 2.5 KW, 120/240V | 6 HP | G | | $1,282 | 1.26 | 0.10 | 0.14 | 0.03 | 0.74 | 1 |
| | G10ON002 | 4.0EGH-AB/38018 | 4.0 KW, 120/240V | 9 HP | G | | $1,734 | 1.87 | 0.14 | 0.20 | 0.04 | 1.11 | 1 |
| | G10ON003 | 5.0EGH-AB/3801 | 5.0 KW, 120/240V | 14 HP | G | | $2,140 | 2.76 | 0.17 | 0.24 | 0.05 | 1.73 | 2 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | G10WC001 | G 3.7A | 3.7 KW, 120/240V, PORTABLE | 8 HP | G | | $2,091 | 1.79 | 0.17 | 0.24 | 0.05 | 0.99 | 2 |
| | G10WC002 | G 5.6A | 5.6 KW, 120/240V, PORTABLE | 11 HP | G | | $2,667 | 2.40 | 0.21 | 0.30 | 0.06 | 1.36 | 2 |
| | G10WC003 | GS 8.5A | 8.5KW,120/240V, PORTABLE, ELECTRIC START | 16 HP | G | | $3,844 | 3.48 | 0.30 | 0.43 | 0.08 | 1.98 | 2 |
| | G10WC004 | GS 9.7A | 9.7KW,120/240V, PORTABLE, ELECTRIC START | 18 HP | G | | $4,342 | 3.90 | 0.34 | 0.49 | 0.09 | 2.22 | 2 |
| | **SUBCATEGORY 0.20** | | **SKID MOUNTED** | | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | | |
| | G10CA020 | 3304 PKG - P 304 | 113 EKW, 240/480V, 60 HZ, PGS PRIME SKID | 174 HP | D-off | | $24,136 | 15.69 | 1.60 | 2.17 | 0.51 | 8.27 | 37 |
| | G10CA012 | 3306 PKG - 306D | 210 EKW, 240V, 60 HZ, PGS PRIME SKID MTD | 314 HP | D-off | | $30,733 | 25.75 | 2.04 | 2.77 | 0.65 | 14.92 | 52 |
| | G10CA013 | 3406 PKG - 306D | 275 EKW, 480V, 60 HZ PGS PRIME SKID | 405 HP | D-off | | $39,028 | 33.09 | 2.59 | 3.51 | 0.83 | 19.25 | 68 |
| | G10CA014 | 3406 PKG - 406D | 365 EKW, 240/480V, 60 HZ PGS PRIME SKID | 536 HP | D-off | | $50,615 | 43.59 | 3.36 | 4.56 | 1.08 | 25.47 | 72 |
| | G10CA015 | 3412 PKG - 412D | 455 EKW, 240/480V, 60 HZ PGS PRIME SKID | 687 HP | D-off | | $69,721 | 56.83 | 4.62 | 6.27 | 1.48 | 32.65 | 93 |
| | G10CA016 | 3412 PKG - 412D | 545 EKW, 240/480V, 60 HZ PGS PRIME SKID | 817 HP | D-off | | $86,429 | 68.29 | 5.73 | 7.78 | 1.84 | 38.82 | 100 |
| | G10CA017 | 3508 PKG - 508D | 725 EKW, 480V, 60 HZ PGS PRIME SKID MTD | 1,089 HP | D-off | | $135,923 | 95.17 | 9.01 | 12.23 | 2.89 | 51.75 | 181 |
| | G10CA018 | 3512 PKG - 512D | 1000 EKW, 480V, 60 HZ PGS PRIME SKID MTD | 1,443 HP | D-off | | $172,663 | 124.62 | 11.44 | 15.54 | 3.67 | 68.57 | 236 |
| | G10CA019 | 3516 PKG - 516D | 1600 EKW, 480V, 60 HZ PGS PRIME SKID MTD | 2,304 HP | D-off | | $288,676 | 201.59 | 19.13 | 25.98 | 6.14 | 109.49 | 291 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **ONAN CORPORATION** | | | | | | | | | | |
| | G10ON009 | 6.0HDKAS/11477 | 6 KW, RECONNECTIBLE | 12 HP | D-off | | $7,414 | 2.24 | 0.50 | 0.67 | 0.16 | 0.57 | 5 |
| | G10ON005 | 6.5NAD-FB/1 | 10.3 KW, 120/240V | 14 HP | G | | $4,391 | 3.15 | 0.29 | 0.40 | 0.09 | 1.73 | 2 |
| | G10ON006 | 7.0GNAA | 7 KW, 120/240V | 15 HP | G | | $7,685 | 3.96 | 0.51 | 0.69 | 0.16 | 1.85 | 7 |
| | G10ON007 | 7.5DHDKAL/H475 | 7.5 KW, 120/240V | 13 HP | D-off | | $7,581 | 2.33 | 0.50 | 0.68 | 0.16 | 0.62 | 5 |
| | G10ON010 | 11.5DNAD | 11.5 KW, 120/240V | 21 HP | D-off | | $8,687 | 3.04 | 0.57 | 0.78 | 0.18 | 1.00 | 7 |
| | G10ON011 | 15DKAC | 15 KW, DUAL PHASE | 24 HP | D-off | | $11,827 | 3.86 | 0.78 | 1.06 | 0.25 | 1.14 | 12 |
| | G10ON012 | 20DKAE | 20 KW, RECONNECTIBLE | 33 HP | D-off | | $12,252 | 4.51 | 0.81 | 1.10 | 0.26 | 1.57 | 12 |
| | G10ON013 | 35DGBB | 35 KW, RECONNECTIBLE | 68 HP | D-off | | $13,707 | 6.98 | 0.91 | 1.23 | 0.29 | 3.23 | 17 |
| | G10ON014 | 40.0DGBC | 40 KW, RECONNECTIBLE | 68 HP | D-off | | $14,476 | 7.14 | 0.96 | 1.30 | 0.31 | 3.23 | 17 |
| | G10ON015 | 50.0DGCA | 50 KW, RECONNECTIBLE | 86 HP | D-off | | $16,009 | 8.58 | 1.06 | 1.44 | 0.34 | 4.09 | 17 |
| | G10ON016 | 60.0DGCB | 60 KW, RECONNECTIBLE | 102 HP | D-off | | $17,243 | 9.83 | 1.15 | 1.55 | 0.37 | 4.85 | 17 |
| | G10ON017 | 80.0DGDA | 80 KW, RECONNECTIBLE | 135 HP | D-off | | $19,581 | 12.35 | 1.30 | 1.76 | 0.42 | 6.42 | 27 |
| | G10ON018 | 100.0DGDB | 100 KW, RECONNECTIBLE | 166 HP | D-off | | $22,535 | 14.88 | 1.50 | 2.03 | 0.48 | 7.89 | 27 |
| | G10ON019 | 125.0DGEA | 125 KW, RECONNECTIBLE | 207 HP | D-off | | $25,460 | 18.02 | 1.69 | 2.29 | 0.54 | 9.84 | 34 |
| | G10ON020 | 150.0DGFA | 150 KW, RECONNECTIBLE | 277 HP | D-off | | $29,630 | 23.22 | 1.97 | 2.67 | 0.63 | 13.16 | 34 |
| **G15** | **GRADERS, MOTOR** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **GRADERS, MOTOR** | | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | | |
| | G15CA001 | 120-H | ARTICULATED FRAME, POWERSHIFT NA VERSION 12' BLADE W/ 17 TEETH SCARIFIERS, 6X4 | 125 HP | D-off | | $183,469 | 33.41 | 8.71 | 9.03 | 4.19 | 5.58 | 303 |
| | G15CA007 | 135-H | ARTICULATED FRAME, POWERSHIFT NA VERSION 12' BLADE W/ 17 TEETH SCARIFIERS, 6X4 | 135 HP | D-off | | $194,643 | 35.56 | 9.24 | 9.59 | 4.44 | 6.03 | 311 |
| | G15CA003 | 12-H | ARTICULATED FRAME, POWERSHIFT NA VERSION 12' BLADE W/ 17 TEETH SCARIFIERS, 6X4 | 140 HP | D-off | | $215,978 | 38.76 | 10.26 | 10.66 | 4.93 | 6.25 | 349 |
| | G15CA004 | 140-H | ARTICULATED FRAME, POWERSHIFT NA VERSION 12' BLADE W/ 5 RIPPER / SCARIFIERS, 6X4 | 165 HP | D-off | | $229,507 | 42.27 | 10.90 | 11.32 | 5.24 | 7.37 | 353 |
| | G15CA008 | 143-H | ARTICULATED FRAME, AWD, NA VERSION 12' BLADE W/ 5 RIPPER / SCARIFIERS, 6X6 | 185 HP | D-off | | $263,672 | 48.22 | 12.53 | 13.03 | 6.01 | 8.26 | 349 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *G15* | | | ***CATERPILLAR, INC. (continued)*** | | | | | | | | | |
| | G15CA009 | 160-H | ARTICULATED FRAME, POWERSHIFT NA VERSION 14' BLADE W/ 5 RIPPER/SCARIFIERS, 6X4 | 185 HP D-off | | $247,067 | 45.94 | 11.74 | 12.19 | 5.64 | 8.26 | 380 |
| | G15CA010 | 163-H | ARTICULATED FRAME, AWD, NA VERSION 14' BLADE W/ 5 RIPPER/SCARIFIERS, 6X6 | 200 HP D-off | | $285,470 | 52.16 | 13.57 | 14.11 | 6.51 | 8.93 | 404 |
| | G15CA005 | 14-H | ARTICULATED FRAME, POWERSHIFT STANDARD VERSION, 14' BLADE W/ 7 SHANK RIPPER,6X4 | 215 HP D-off | | $314,928 | 57.96 | 14.86 | 15.36 | 7.18 | 9.60 | 445 |
| | G15CA006 | 16-H | ARTICULATED FRAME, POWERSHIFT STANDARD VERSION, 16' BLADE W/ 7 SHANK RIPPER,6X4 | 275 HP D-off | | $452,637 | 82.23 | 21.31 | 21.96 | 10.33 | 12.28 | 586 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | G15JD008 | 670CH | ARTICULATED FRAME, POWERSHIFT, 6X4, 12 BLADE, W/5 RIPPER/ 5 SCARIFIER(FRONT) | 151 HP D-off | | $197,758 | 37.74 | 9.30 | 9.58 | 4.51 | 6.74 | 343 |
| | G15JD009 | 672CH | ARTICULATED FRAME, POWERSHIFT, 6X6, 12 BLADE, W/5 RIPPER/ 5 SCARIFIER(FRONT) | 156 HP D-off | | $224,242 | 41.78 | 10.57 | 10.90 | 5.12 | 6.96 | 353 |
| | G15JD010 | 770CH | ARTICULATED FRAME, POWERSHIFT, 6X4, 12 BLADE, W/5 RIPPER/ 5 SCARIFIER(FRONT) | 185 HP D-off | | $226,672 | 43.83 | 10.68 | 11.02 | 5.17 | 8.26 | 353 |
| | G15JD011 | 772CH | ARTICULATED FRAME, POWERSHIFT, 6X6, 12 BLADE, W/5 RIPPER/ 5 SCARIFIER(FRONT) | 205 HP D-off | | $256,302 | 49.26 | 12.10 | 12.50 | 5.85 | 9.15 | 363 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | G15KM006 | GD 530A-1 | ARTICULATED FRAME, POWERSHIFT STANDARD 13' BLADE W/ 11 RIPPER / SCARIFIERS, 6X6 | 144 HP D-off | | $227,341 | 41.42 | 10.72 | 11.05 | 5.19 | 6.43 | 303 |
| | G15KM007 | GD 650A-1 | ARTICULATED FRAME, POWERSHIFT STANDARD 13' BLADE W/ 11 RIPPER / SCARIFIERS, 6X4 | 166 HP D-off | | $207,635 | 40.21 | 9.76 | 10.03 | 4.74 | 7.41 | 328 |
| | G15KM008 | GD 670A-2CY | ARTICULATED FRAME, POWERSHIFT STANDARD VERSION, 14' BLADE W/ 7 SHANK RIPPER,6X6 | 204 HP D-off | | $264,972 | 50.56 | 12.49 | 12.90 | 6.04 | 9.11 | 346 |
| | G15KM009 | GD 750A-1 | ARTICULATED FRAME, POWERSHIFT STANDARD VERSION, 16' BLADE W/ 7 SHANK RIPPER,6X4 | 245 HP D-off | | $338,492 | 63.07 | 15.99 | 16.54 | 7.72 | 10.94 | 409 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **H10** | **HAMMERS, HYDRAULIC (DEMOLITION TOOL)** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **HAMMERS, HYDRAULIC (DEMOLITION TOOL)** | | | | | | | | | |
| | | | **NPK CONSTRUCTION EQUIPMENT** | | | | | | | | | |
| | H10NP001 | H-06X | HAMMER, IMPACT ENERGY, 150 FT-LBS WITH H-06X DEMOLITION TOOL (ADD 150-250 HP HYD EXCAVATOR) | | | $5,916 | 2.71 | 0.54 | 0.79 | 0.14 | 0.00 | 2 |
| | H10NP002 | H-08X | HAMMER, IMPACT ENERGY, 200 FT-LBS WITH H-08X DEMOLITION TOOL (ADD 60-75 HP HYD EXCAVATOR) | | | $6,543 | 2.95 | 0.60 | 0.87 | 0.16 | 0.00 | 2 |
| | H10NP003 | H-1XA | HAMMER, IMPACT ENERGY, 300 FT-LBS WITH H-1AX DEMOLITION TOOL (ADD 60-75 HP HYD EXCAVATOR) | | | $7,643 | 3.61 | 0.69 | 1.02 | 0.18 | 0.00 | 4 |
| | H10NP004 | H-2XA | HAMMER, IMPACT ENERGY, 500 FT-LBS WITH H-2AX DEMOLITION TOOL (ADD 60-75 HP HYD EXCAVATOR) | | | $10,632 | 4.73 | 0.97 | 1.42 | 0.26 | 0.00 | 6 |
| | H10NP005 | H-3XA | HAMMER, IMPACT ENERGY, 750 FT-LBS WITH H-3AX DEMOLITION TOOL (ADD 75-100 HP HYD EXCAVATOR) | | | $15,082 | 6.64 | 1.37 | 2.01 | 0.36 | 0.00 | 9 |
| | H10NP006 | H-4XE | HAMMER, IMPACT ENERGY 1,000 FT-LBS WITH H-4XE DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR) | | | $20,873 | 8.80 | 1.89 | 2.78 | 0.50 | 0.00 | 12 |
| | H10NP007 | H-6XA | HAMMER, IMPACT ENERGY 1,250 FT-LBS WITH H-6XA DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR) | | | $27,037 | 11.11 | 2.45 | 3.60 | 0.65 | 0.00 | 15 |
| | H10NP008 | H-7X | HAMMER, IMPACT ENERGY, 1500 FT-LBS WITH H-7X DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR) | | | $30,845 | 12.78 | 2.80 | 4.11 | 0.74 | 0.00 | 18 |
| | H10NP009 | H-8XA | HAMMER, IMPACT ENERGY, 2,000 FT-LBS WITH H-8AX DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR) | | | $38,521 | 15.67 | 3.50 | 5.14 | 0.93 | 0.00 | 24 |
| | H10NP010 | H-10XB | HAMMER, IMPACT ENERGY, 3000 FT-LBS WITH H-10XB DEMOLITION TOOL (ADD 95-125 HP HYD EXCAVATOR) | | | $47,271 | 19.18 | 4.29 | 6.30 | 1.14 | 0.00 | 35 |
| | H10NP011 | H-12X | HAMMER, IMPACT ENERGY, 4,000 FT-LBS WITH H-12X DEMOLITION TOOL (ADD 125 HP HYD EXCAVATOR) | | | $56,316 | 23.07 | 5.12 | 7.51 | 1.36 | 0.00 | 46 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***H10*** | | | ***NPK CONSTRUCTION EQUIPMENT (continued)*** | | | | | | | | | | |
| | H10NP012 | H-16X | HAMMER, IMPACT ENERGY, 5,000 FT-LBS WITH H-16X DEMOLITION TOOL (ADD 150-250 HP HYD EXCAVATOR) | | | | $66,871 | 27.52 | 6.07 | 8.92 | 1.61 | 0.00 | 59 |
| | H10NP013 | H-20X | HAMMER, IMPACT ENERGY, 6000 FT-LBS WITH H-20X DEMOLITION TOOL (ADD 245-425 HP HYD EXCAVATOR) | | | | $91,364 | 37.18 | 8.29 | 12.18 | 2.20 | 0.00 | 69 |
| | H10NP014 | H-30X | HAMMER, IMPACT ENERGY, 10,000 FT-LBS WITH H-30X DEMOLITION TOOL (ADD 350-525 HP HYD EXCAVATOR) | | | | $127,663 | 51.26 | 11.59 | 17.02 | 3.08 | 0.00 | 110 |
| **H13** | **HAZARDOUS/TOXIC WASTE EQUIPMENT** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.11** | | **COMPACTORS (COMPRESSION FORCE) 0 THRU 50 TONS** | | | | | | | | | | |
| | | | **CONSOLIDATED BAILING MACHINE COMPANY, INC.** | | | | | | | | | | |
| | H13CB001 | DOS RAW WI | 12.5 TON LL RAD WASTE COMPACTOR, 55 GALLON BARREL CAPACITY | 5 HP | E | | $19,902 | 5.21 | 1.29 | 1.69 | 0.44 | 0.46 | 25 |
| | H13CB002 | DOS RAW W2 | 20 TON LL RAD WASTE COMPACTOR, 55 GALLON BARREL CAPACITY | 10 HP | E | | $21,778 | 6.34 | 1.41 | 1.85 | 0.48 | 0.91 | 25 |
| | | | **COMPACTING TECHNOLOGIES INTERNATIONAL** | | | | | | | | | | |
| | H13CO002 | 8040 | 37 TON HAZARD WASTE IN-DRUM COMPACTOR, EXPLOSION PROOF | 5 HP | E | | $10,383 | 3.20 | 0.67 | 0.88 | 0.23 | 0.46 | 167 |
| | | | **PIQUA ENGINEERING** | | | | | | | | | | |
| | H13PI001 | 36LKDC | 30 TON DRUM CRUSHER, MOBILE | 18 HP | G | | $10,722 | 5.19 | 0.67 | 0.86 | 0.24 | 2.22 | 19 |
| | H13PI002 | 36LRDC | 30 TON DRUM CRUSHER, MOBILE | 8 HP | E | | $11,100 | 3.47 | 0.69 | 0.89 | 0.24 | 0.68 | 19 |
| | H13PI003 | DC3036 | 30 TON DRUM CRUSHER | 15 HP | E | | $11,698 | 4.73 | 0.76 | 0.99 | 0.26 | 1.37 | 30 |
| | **SUBCATEGORY 0.12** | | **COMPACTORS (COMPRESSION FORCE) OVER 50 TONS** | | | | | | | | | | |
| | | | **CGR COMPACTING** | | | | | | | | | | |
| | H13CF001 | 6-50-400 | 250 TON COMPACTOR CASK TYPE, CONTAINER: 57.5" x 33.5" x 47" | 50 HP | E | | $277,628 | 59.31 | 15.47 | 18.51 | 6.21 | 4.55 | 220 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***H13*** | | | ***CGR COMPACTING (continued)*** | | | | | | | | | | |
| | H13CF002 | 6-90-200 | 250 TON COMPACTOR CASK TYPE, CONTAINER: 72" x 46" x 47" | 50 HP | E | | $305,787 | 64.56 | 17.04 | 20.39 | 6.84 | 4.55 | 280 |
| | H13CF003 | 6-90-300 | 375 TON COMPACTOR CASK TYPE, CONTAINER: 72" x 46" x 47" | 50 HP | E | | $360,716 | 74.81 | 20.10 | 24.05 | 8.07 | 4.55 | 320 |
| | | | **COMPACTING TECHNOLOGIES INTERNATIONAL** | | | | | | | | | | |
| | H13CO003 | 8550 | 85 TON HAZARD WASTE IN-DRUM COMPACTOR | 3 HP | E | | $20,278 | 4.48 | 1.13 | 1.35 | 0.45 | 0.27 | 270 |
| | H13CO004 | 8560-C | 85 TON HAZARD WASTE IN- DRUM COMPACTOR, WITH HEPA FILTER | 3 HP | E | | $36,391 | 7.74 | 2.03 | 2.43 | 0.81 | 0.27 | 290 |
| | H13CO006 | 8560-R | 85 TON HAZARD WASTE IN- DRUM COMPACTOR, WITH HEPA FILTER & SS PLATEN & CHAMBER | 3 HP | E | | $42,502 | 8.72 | 2.37 | 2.83 | 0.95 | 0.27 | 300 |
| | H13CO005 | 8560-EXL | 85 TON HAZARD WASTE IN- DRUM COMPACTOR, EXPLOSION PROOF, W/LIQUID REMOVAL SYSTEM | 3 HP | E | | $56,508 | 11.49 | 3.15 | 3.77 | 1.26 | 0.27 | 310 |
| | **SUBCATEGORY 0.21** | | **FILTER PRESSES, STATIONARY** | | | | | | | | | | |
| | | | **AVERY FILTER COMPANY** | | | | | | | | | | |
| | H13AY015 | L/S 1200/25 | 25 CF MEMBRANE FILTER PRESS, 1000 MM SQ | 50 CFM | A | | $50,751 | 11.15 | 3.18 | 4.06 | 1.15 | 0.00 | 112 |
| | H13AY016 | K/F 1200/25 | 25 CF CONVENTIONAL FILTER PRESS, 1000 MM SQ | 50 CFM | A | | $33,165 | 7.28 | 2.08 | 2.65 | 0.75 | 0.00 | 108 |
| | H13AY013 | L/S 1200/50 | 50 CF MEMBRANE FILTER PRESS, 1200 MM SQ | 50 CFM | A | | $86,014 | 18.89 | 5.39 | 6.88 | 1.95 | 0.00 | 173 |
| | H13AY014 | K/F 1200/50 | 50 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ | 50 CFM | A | | $46,786 | 10.27 | 2.93 | 3.74 | 1.06 | 0.00 | 168 |
| | H13AY011 | L/S 1200/75 | 75 CF MEMBRANE FILTER PRESS, 1200 MM SQ | 50 CFM | A | | $107,047 | 23.51 | 6.71 | 8.56 | 2.43 | 0.00 | 194 |
| | H13AY012 | K/F 1200/75 | 75 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ | 50 CFM | A | | $55,444 | 12.19 | 3.48 | 4.44 | 1.26 | 0.00 | 188 |
| | H13AY009 | L/S 1200/100 | 100 CF MEMBRANE FILTER PRESS, 1200 MM SQ | 50 CFM | A | | $127,743 | 28.07 | 8.01 | 10.22 | 2.90 | 0.00 | 199 |
| | H13AY010 | K/F 1200/100 | 100 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ | 50 CFM | A | | $65,803 | 14.45 | 4.12 | 5.26 | 1.49 | 0.00 | 191 |
| | H13AY007 | L/S 1200/125 | 125 CF MEMBRANE FILTER PRESS, 1200 MM SQ | 50 CFM | A | | $143,545 | 31.53 | 9.00 | 11.48 | 3.26 | 0.00 | 216 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***H13*** | | | ***AVERY FILTER COMPANY (continued)*** | | | | | | | | | | |
| | H13AY008 | K/F 1200/125 | 125 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ | 50 CFM | A | | $71,288 | 15.66 | 4.47 | 5.70 | 1.62 | 0.00 | 207 |
| | H13AY017 | L/S 1200/150 | 150 CF MEMBRANE FILTER PRESS, 1200 MM SQ | 50 CFM | A | | $158,899 | 34.91 | 9.97 | 12.71 | 3.61 | 0.00 | 235 |
| | H13AY018 | K/F 1200/150 | 150 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ | 50 CFM | A | | $81,943 | 18.01 | 5.14 | 6.56 | 1.86 | 0.00 | 224 |
| | H13AY019 | | FILTER PRESS PLATE SHIFTING UNIT, 1200 MM SQ, MECHANIZED | 1 HP | E | | $10,349 | 2.68 | 0.66 | 0.83 | 0.24 | 0.09 | 5 |
| | H13AY020 | SLC-500 | PLC CONTROL PANEL - PLATE SHIFTING, COMPUTER AUTOMATED | 1 HP | E | | $13,375 | 3.33 | 0.84 | 1.07 | 0.30 | 0.09 | 2 |
| | | | **HYDROCAL** | | | | | | | | | | |
| | H13HR001 | Model 1.0 | 1 METER, SS SLUDGE THICK/BELT PRESS COMBINATION | 1 HP | E | | $51,747 | 11.70 | 3.25 | 4.14 | 1.18 | 0.05 | 20 |
| | H13HR002 | Model 1.5 | 1.5 METER, SS SLUDGE THICK/BELT PRESS COMBINATION | 2 HP | E | | $56,986 | 12.90 | 3.57 | 4.56 | 1.29 | 0.14 | 25 |
| | | | **PERRIN, INC.** | | | | | | | | | | |
| | H13PR001 | 100S-800 | 25 CF STANDARD FILTER PRESS, 800MM X 800MM | 3 HP | E | | $80,477 | 18.14 | 5.05 | 6.44 | 1.83 | 0.27 | 125 |
| | H13PR003 | 100S-1200 | 113 CF STANDARD FILTER PRESS, 1200MM X 1200MM, | 5 HP | E | | $151,272 | 34.00 | 9.49 | 12.10 | 3.44 | 0.46 | 460 |
| | H13PR005 | 2005-1500 | 181 CF STANDARD FILTER PRESS, 1500MM X 1500MM | 5 HP | E | | $210,978 | 47.11 | 13.23 | 16.88 | 4.79 | 0.46 | 680 |
| | H13PR007 | P4-200 | 370 CF MAXI FILTER PRESS, 1.5M X 20M | 10 HP | E | | $462,991 | 103.22 | 29.03 | 37.04 | 10.51 | 0.91 | 1,100 |
| | H13PR020 | FBP 60 | 23.5" WIDE FILTER BELT PRESS, .75 HP | 1 HP | E | | $92,783 | 20.54 | 5.82 | 7.42 | 2.11 | 0.09 | 33 |
| | H13PR021 | FBP 90 | 35.5" WIDE FILTER BELT PRESS, .75 HP | 1 HP | E | | $95,413 | 21.11 | 5.99 | 7.63 | 2.17 | 0.09 | 33 |
| | H13PR022 | FBP 120 | 47" WIDE FILTER BELT PRESS, 1.5 HP | 2 HP | E | | $119,599 | 26.58 | 7.51 | 9.57 | 2.72 | 0.18 | 57 |
| | H13PR023 | FBP 160 | 63" WIDE FILTER BELT PRESS, 1.5 HP | 1 HP | E | | $126,985 | 28.05 | 7.96 | 10.16 | 2.88 | 0.09 | 33 |
| | H13PR024 | FBP 200 | 78.75" WIDE FILTER BELT PRESS, 2 HP | 2 HP | E | | $143,996 | 31.94 | 9.03 | 11.52 | 3.27 | 0.18 | 91 |
| | H13PR025 | FBP 250 | 98.5" WIDE FILTER BELT PRESS, 3 HP | 3 HP | E | | $160,246 | 35.66 | 10.05 | 12.82 | 3.64 | 0.27 | 113 |
| | H13PR026 | FBP 300 | 118" WIDE FILTER BELT PRESS, 3 HP | 3 HP | E | | $186,978 | 41.54 | 11.73 | 14.96 | 4.25 | 0.27 | 133 |
| | H13PR027 | PS 250 | PUSHER SCREW PRESS, 7.5 HP | 8 HP | E | | $100,824 | 23.37 | 6.33 | 8.07 | 2.29 | 0.73 | 65 |
| | H13PR028 | PS 400 | PUSHER SCREW PRESS, 10 HP | 10 HP | E | | $149,026 | 34.24 | 9.34 | 11.92 | 3.38 | 0.91 | 80 |
| | H13PR029 | PS 600 | PUSHER SCREW PRESS, 15 HP | 15 HP | E | | $222,486 | 51.14 | 13.95 | 17.80 | 5.05 | 1.37 | 120 |
| | H13PR030 | PS 800 | PUSHER SCREW PRESS, 20 HP | 20 HP | E | | $313,838 | 71.97 | 19.69 | 25.11 | 7.13 | 1.82 | 160 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.22** | | **FILTER PRESSES, MOBILE** | | | | | | | | | |
| | | | **AVERY FILTER COMPANY** | | | | | | | | | |
| | H13AY031 | L/S 1200/25M | 25 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $59,435 | 12.57 | 3.77 | 4.91 | 1.31 | 0.00 | 112 |
| | H13AY032 | K/F 1200/25M | 25 CF CONVENTIONAL FILTER PRESS, 1000 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $41,870 | 8.86 | 2.63 | 3.42 | 0.92 | 0.00 | 109 |
| | H13AY029 | L/S 1200/50M | 50 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $95,119 | 20.10 | 6.07 | 7.95 | 2.09 | 0.00 | 193 |
| | H13AY030 | K/F 1200/50M | 50 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $55,892 | 11.82 | 3.54 | 4.61 | 1.23 | 0.00 | 188 |
| | H13AY027 | L/S 1200/75M | 75 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $117,108 | 24.72 | 7.48 | 9.81 | 2.57 | 0.00 | 214 |
| | H13AY028 | K/F 1200/75M | 75 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $65,505 | 13.85 | 4.16 | 5.43 | 1.44 | 0.00 | 208 |
| | H13AY025 | L/S 1200/100M | 100 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $138,759 | 29.30 | 8.88 | 11.65 | 3.05 | 0.00 | 219 |
| | H13AY026 | K/F 1200/100M | 100 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $76,819 | 16.23 | 4.89 | 6.39 | 1.69 | 0.00 | 211 |
| | H13AY023 | L/S 1200/125M | 125 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $155,515 | 32.84 | 9.96 | 13.08 | 3.42 | 0.00 | 236 |
| | H13AY024 | K/F 1200/125M | 125 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $83,258 | 17.59 | 5.30 | 6.94 | 1.83 | 0.00 | 227 |
| | H13AY021 | L/S 1200/150M | 150 CF MEMBRANE FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $170,989 | 36.10 | 10.96 | 14.39 | 3.76 | 0.00 | 255 |
| | H13AY022 | K/F 1200/150M | 150 CF CONVENTIONAL FILTER PRESS, 1200 MM SQ, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | | $93,558 | 19.76 | 5.97 | 7.81 | 2.06 | 0.00 | 244 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **HYDROCAL** | | | | | | | | | | |
| | H13HR003 | TRAILER PRESS | 80 GPM CAPACITY BELT PRESS, TRAILER MOUNTED SYSTEM, COMPLETE WITH FLOCULATION TANK, MIXING TANK, PUMPS, FEEDERS, & CONTROL PANEL | 1 HP | E | | $140,633 | 31.84 | 9.03 | 11.87 | 3.09 | 0.09 | 72 |
| | | | **PERRIN, INC.** | | | | | | | | | | |
| | H13PR002 | 100S-800M | 25 CF STANDARD FILTER PRESS, 800MM X 800MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 3 HP | E | | $89,038 | 20.76 | 5.68 | 7.43 | 1.96 | 0.27 | 145 |
| | H13PR004 | 100S-1200M | 113 CF STANDARD FILTER PRESS, 1200MM X 1200MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 5 HP | E | | $164,345 | 36.96 | 10.53 | 13.83 | 3.61 | 0.46 | 480 |
| | H13PR006 | 2005-1500M | 181 CF STANDARD FILTER PRESS, 1500MM X 1500MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 5 HP | E | | $227,380 | 50.26 | 14.60 | 19.19 | 5.00 | 0.46 | 705 |
| | H13PR008 | P4-200 | 370 CF MAXI FILTER PRESS, 1.5M X 20M, TRAILER MOUNTED (ADD GEN & 64,000 GVW TRK + PERMIT) | 10 HP | E | | $480,415 | 104.99 | 30.67 | 40.21 | 10.56 | 0.91 | 1,140 |
| | H13PR009 | FBP 60-M | 23.5" FILTER BELT PRESS, MOBILE, .75 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 1 HP | E | | $102,779 | 23.36 | 6.56 | 8.60 | 2.26 | 0.09 | 53 |
| | H13PR010 | FBP-90-M | 35.5" FILTER BELT PRESS, MOBILE, .75 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 1 HP | E | | $105,409 | 23.92 | 6.73 | 8.82 | 2.32 | 0.09 | 53 |
| | H13PR011 | FBP 120-M | 47" FILTER BELT PRESS, 1.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 2 HP | E | | $130,648 | 29.39 | 8.36 | 10.97 | 2.87 | 0.18 | 77 |
| | H13PR012 | FBP 160-M | 63" FILTER BELT PRESS, 1.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 2 HP | E | | $138,541 | 31.06 | 8.87 | 11.64 | 3.05 | 0.18 | 77 |
| | H13PR013 | FBP 200-M | 78.75" FILTER BELT PRESS, 2 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 2 HP | E | | $156,098 | 34.76 | 10.00 | 13.13 | 3.43 | 0.18 | 111 |
| | H13PR014 | FBP 250-M | 98.5" FILTER BELT PRESS, 3 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 3 HP | E | | $173,400 | 38.56 | 11.11 | 14.60 | 3.81 | 0.27 | 133 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H13* | | | ***PERRIN, INC. (continued)*** | | | | | | | | | | |
| | H13PR015 | FBP 300-M | 118" FILTER BELT PRESS, 3 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 3 HP | E | | $200,133 | 44.20 | 12.84 | 16.87 | 4.40 | 0.27 | 153 |
| | H13PR016 | PS 250-M | PUSHER SCREW PRESS, MOBILE, 7.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 8 HP | E | | $110,820 | 25.87 | 7.08 | 9.28 | 2.44 | 0.73 | 85 |
| | H13PR017 | PS 400-M | PUSHER SCREW PRESS, MOBILE, 10 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 10 HP | E | | $160,075 | 36.55 | 10.26 | 13.47 | 3.52 | 0.91 | 100 |
| | H13PR018 | PS 600-M | PUSHER SCREW PRESS, MOBILE, 15 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 15 HP | E | | $232,477 | 52.83 | 14.92 | 19.62 | 5.11 | 1.37 | 40 |
| | H13PR019 | PS 800-M | PUSHER SCREW PRESS, MOBILE, 20 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 20 HP | E | | $326,993 | 73.52 | 21.02 | 27.65 | 7.19 | 1.82 | 180 |
| | **SUBCATEGORY 0.30** | | **CENTRIFUGES** | | | | | | | | | | |
| | | | **BOCK** | | | | | | | | | | |
| | H13BC013 | GP 35 | CENTRIFUGE, FIXED SPEED, TIMER, 35 LB DRY WT. | 3 HP | E | | $11,805 | 5.80 | 1.48 | 2.36 | 0.30 | 0.27 | 9 |
| | H13BC010 | 305 TX | CENTRIFUGE, FIXED SPEED, TIMER, 35 LB DRY WT. | 3 HP | E | | $14,095 | 6.84 | 1.77 | 2.82 | 0.36 | 0.27 | 6 |
| | H13BC012 | GP 60 | CENTRIFUGE, FIXED SPEED, TIMER, 60 LB DRY WT. | 3 HP | E | | $13,054 | 6.37 | 1.65 | 2.61 | 0.34 | 0.27 | 9 |
| | H13BC006 | 605 TX | CENTRIFUGE, FIXED SPEED, TIMER, 60 LB DRY WT. | 3 HP | E | | $18,883 | 9.02 | 2.38 | 3.78 | 0.49 | 0.27 | 9 |
| | H13BC011 | GP 100 | CENTRIFUGE, FIXED SPEED, TIMER, 100 LB DRY WT. | 5 HP | E | | $15,961 | 7.99 | 2.01 | 3.19 | 0.41 | 0.46 | 12 |
| | H13BC003 | GP 130 | CENTRIFUGE, FIXED SPEED, TIMER, 130 LB DRY WT. | 5 HP | E | | $19,225 | 9.48 | 2.43 | 3.85 | 0.50 | 0.46 | 12 |
| | H13BC009 | 355 | CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 35 LB | 3 HP | E | | $20,192 | 9.60 | 2.54 | 4.04 | 0.52 | 0.27 | 6 |
| | H13BC007 | 655 | CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 60 LB | 3 HP | E | | $24,100 | 11.37 | 3.03 | 4.82 | 0.62 | 0.27 | 9 |
| | H13BC008 | 755 | CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 100 LB | 5 HP | E | | $28,595 | 13.73 | 3.60 | 5.72 | 0.74 | 0.46 | 12 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.40** | | **SHREDDERS** | | | | | | | | | | |
| | | | **MAC CORPORATION** | | | | | | | | | | |
| | H13MN001 | 52-32HT | MOBILE SHREDDER, TRAILER MOUNTED, WITH DIESEL GENERATOR SET, AND BELT-TYPE INFEED & DISCHARGE CONVEYORS | 150 HP | E | | $229,028 | 75.98 | 14.65 | 19.21 | 5.04 | 13.65 | 200 |
| | H13MN002 | 62-40HT | MOBILE SHREDDER, TRAILER MOUNTED, WITH DIESEL GENERATOR SET, HOOK-TYPE INFEED FOR TIRES, & DISCHARGE CONVEYOR | 200 HP | E | | $281,620 | 95.98 | 17.99 | 23.60 | 6.19 | 18.20 | 300 |
| | H13MN003 | 62-40HT | MOBILE SHREDDER, TRAILER MOUNTED, WITH DIESEL GENERATOR SET, CRANE GRAPPLE AND DISCHARGE CONVEYOR SYSTEM | 200 HP | E | | $285,110 | 97.77 | 18.22 | 23.90 | 6.27 | 18.20 | 300 |
| | H13MN004 | 72-46HT | MOBILE SHREDDER, TRAILER MOUNTED, WITH DIESEL GENERATOR SET, CRANE GRAPPLE AND DISCHARGE CONVEYOR SYSTEM | 300 HP | E | | $400,451 | 139.03 | 25.65 | 33.70 | 8.80 | 27.30 | 400 |
| | | | **SHREAD-TECH LIMITED** | | | | | | | | | | |
| | H13SH001 | ST-20 | SHREDDER W/28"X14" CUTTING CHAMBR, 0.375" BLADE, 37"X38" HOPPER OPENING | 20 HP | E | | $37,036 | 11.18 | 2.39 | 3.15 | 0.81 | 1.82 | 20 |
| | H13SH002 | ST-20L | SHREDDER W/14"X36" CUTTING CHAMBR, 0.375" BLADE, 37"X46" HOPPER OPENING | 20 HP | E | | $34,209 | 10.55 | 2.21 | 2.91 | 0.75 | 1.82 | 23 |
| | H13SH003 | ST-50 | SHREDDER W/42"X21" CUTTING CHAMBR, .625" BLADE, 40"X55" HOPPER OPENING, 2X40 HP | 40 HP | E | | $68,499 | 21.12 | 4.42 | 5.82 | 1.51 | 3.64 | 45 |
| | H13SH004 | ST-50L | SHREDDER W/52"X21" CUTTING CHAMBR, 0.625" BLADE, 40"X65" HOPPER OPENING, 2X40 HP | 40 HP | E | | $72,334 | 21.98 | 4.67 | 6.15 | 1.59 | 3.64 | 50 |
| | H13SH005 | ST-100 | SHREDDER W/63"X32" CUTTING CHAMBR, 1.875" BLD, 60"X70" HOPPER OPENING, 2X 50 HP | 100 HP | E | | $124,302 | 42.28 | 8.02 | 10.57 | 2.73 | 9.10 | 200 |
| | H13SH006 | ST-500 | SHREDDER W/43"X76" CUTTING CHAMBR, 2.75" BLD, 66"X96" HOPPER OPENING, 2X150 HP | 300 HP | E | | $398,506 | 132.58 | 25.70 | 33.87 | 8.76 | 27.30 | 420 |
| | H13SH007 | ST-500L | SHREDDER W/43"X96" CUTTING CHAMBR, 2.75" BLD, 66"X115" HOPPER OPENING, 2X300 HP | 600 HP | E | | $504,249 | 199.58 | 32.52 | 42.86 | 11.09 | 54.60 | 440 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.51** | | **SOIL TREATMENT PLANT, MOBILE** | | | | | | | | | | |
| | | | **PROGRESSIVE DEVELOPMENT, INC.** | | | | | | | | | | |
| | H13PO001 | ST-300 | MOBILE THERMAL REMEDIATION SYSTEM, TRLR MTD, W/REMIDIATION UNIT, 2-10T/HR SHRED./CLASSIFIER, WEIGHT SCALE & LP GAS VAPORIZOR | 55 HP | E | | $509,016 | 130.58 | 32.83 | 43.27 | 11.19 | 5.01 | 180 |
| | **SUBCATEGORY 0.71** | | **WASTE HANDLING EQUIPMENT, DRUM HANDLING** | | | | | | | | | | |
| | | | **BASCO** | | | | | | | | | | |
| | H13BB001 | T55FLX | 55 GAL TOP FILL DRUM FILLER | 10 HP | E | | $27,203 | 17.50 | 3.58 | 5.78 | 0.69 | 0.91 | 3 |
| | H13BB002 | MR3 | 60 DRUM/HR CAP INTERIOR DRUM CLEANER | 15 HP | E | | $34,217 | 22.42 | 4.50 | 7.27 | 0.86 | 1.37 | 25 |
| **H20** | **HOISTS & AIR WINCHES** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **HOISTS & AIR WINCHES** | | | | | | | | | | |
| | | | **INGERSOL-RAND MATERIAL HANDLING** | | | | | | | | | | |
| | H20BE001 | FA1 | AIR WINCH (ADD COMPRESSOR) MANUAL BRAKE, 24" DRUM, 2200 # CAPACITY, 95 FPM | 390 CFM | A | | $13,958 | 3.27 | 0.94 | 1.24 | 0.32 | 0.00 | 4 |
| | H20BE002 | FA2.5 | AIR WINCH (ADD COMPRESSOR) MANUAL BRAKE, 24" DRUM, 5000 # CAPACITY,145 FPM | 700 CFM | A | | $18,062 | 4.31 | 1.22 | 1.61 | 0.41 | 0.00 | 10 |
| | H20BE003 | FA5 | AIR WINCH (ADD COMPRESSOR) MANUAL BRAKE, 24" DRUM, 10000 # CAPACITY,65 FPM | 700 CFM | A | | $23,388 | 5.62 | 1.58 | 2.08 | 0.54 | 0.00 | 19 |
| | H20BE004 | FA10 | AIR WINCH (ADD COMPRESSOR) AUTOMATIC BRAKE, 24" DRUM, 22000 # CAPACITY,30 FPM | 800 CFM | A | | $34,803 | 8.31 | 2.35 | 3.09 | 0.80 | 0.00 | 35 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **H25** | **HYDRAULIC EXCAVATORS, CRAWLER MOUNTED** | | | | | | | | | | | |
| | **SUBCATEGORY 0.11** | | **0 LBS THRU 40,000 LBS** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | H25CA020 | 311-B | 24,640 LBS, 0.60CY BUCKET, 16.5' DIGGING DEPTH, 24' 10" REACH GENERAL BOOM | 79 HP D-off | | $110,706 | 26.51 | 6.75 | 8.30 | 2.60 | 3.75 | 241 |
| | H25CA021 | 312-B | 26,900LBS, 0.68CY BUCKET, 18.16' DIGGING DEPTH, 26' 10" REACH GENERAL BOOM | 84 HP D-off | | $115,493 | 27.77 | 7.04 | 8.66 | 2.71 | 3.99 | 269 |
| | | | **CASE CORPORATION** | | | | | | | | | |
| | H25CS004 | 9010B | 27,940 LBS, 0.92 CY BUCKET | 100 HP D-off | | $132,061 | 32.03 | 8.05 | 9.90 | 3.10 | 4.75 | 285 |
| | H25CS005 | 9020B | 34,980 LBS, 0.92 CY BUCKET | 103 HP D-off | | $155,055 | 36.58 | 9.46 | 11.63 | 3.64 | 4.89 | 357 |
| | | | **HITACHI CONSTRUCTION MACHINERY** | | | | | | | | | |
| | H25HI001 | EX110-5 | 23,540 LBS, 0.66 CY BUCKET | 76 HP D-off | | $132,046 | 30.32 | 8.05 | 9.90 | 3.10 | 3.61 | 192 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | H25JD021 | 80 | 16,600LBS, 0.65CY BUCKET, 15.08' DIGGING DEPTH, 22' 1" GENERAL BOOM | 55 HP D-off | | $97,923 | 22.38 | 5.97 | 7.34 | 2.30 | 2.61 | 166 |
| | H25JD020 | 120 | 26,790LBS, 0.78CY BUCKET, 19.50' DIGGING DEPTH, 28' 3" GENERAL BOOM | 90 HP D-off | | $127,153 | 30.40 | 7.75 | 9.54 | 2.98 | 4.28 | 268 |
| | H25JD022 | 160 LC | 35,500LBS, 1.06CY BUCKET, 21.08' DIGGING DEPTH, 30' 3" REACH BOOM | 105 HP D-off | | $148,476 | 35.49 | 9.05 | 11.14 | 3.48 | 4.99 | 355 |
| | | | **KOBELCO AMERICA, INC.** | | | | | | | | | |
| | H25KC017 | 70SR | 16,400LBS, 0.33CY BUCKET, 14.75'DIGGING DEPTH, 21' 7" REACH GENERAL BOOM | 54 HP D-off | | $89,641 | 20.75 | 5.46 | 6.72 | 2.10 | 2.57 | 168 |
| | H25KC016 | 135SR LC | 30,870LBS, 0.60CY BUCKET, 19.58'DIGGING DEPTH, 28' 5" REACH GENERAL BOOM | 94 HP D-off | | $127,745 | 30.80 | 7.79 | 9.58 | 3.00 | 4.47 | 319 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | H25KM001 | PC 120-6 | 26,950LBS, 0.75CY BUCKET, 18.08'DIGGING DEPTH, 26' 10" REACH GENERAL BOOM | 102 HP D-off | | $153,110 | 36.15 | 9.33 | 11.48 | 3.59 | 4.85 | 270 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | ***KOMATSU DRESSER COMPANY (continued)*** | | | | | | | | | |
| | H25KM003 | PC 150LC-6 | 39,400 LBS, 1.12CY BUCKET, 19.58'DIGGING DEPTH, 29' 5" REACH BOOM | 105 HP D-off | | $179,216 | 41.29 | 10.93 | 13.44 | 4.21 | 4.99 | 394 |
| | | | **TAKEUCHI** | | | | | | | | | |
| | H25TK001 | TB007 | 1,667 LBS, 0.03 CY BUCKET | 8 HP D-off | | $20,741 | 4.49 | 1.27 | 1.56 | 0.49 | 0.38 | 17 |
| | H25TK002 | TB015 | 3,418 LBS, 0.05 CY BUCKET | 16 HP D-off | | $28,253 | 6.47 | 1.72 | 2.12 | 0.66 | 0.76 | 34 |
| | H25TK004 | TB025 | 5,958 LBS, 0.09 CY BUCKET | 26 HP D-off | | $35,858 | 8.62 | 2.19 | 2.69 | 0.84 | 1.24 | 60 |
| | H25TK005 | TB035 | 7,625 LBS, 0.13 CY BUCKET | 33 HP D-off | | $41,781 | 10.23 | 2.55 | 3.13 | 0.98 | 1.57 | 76 |
| | H25TK006 | TB045 | 10,092 LBS, 0.19 CY BUCKET | 43 HP D-off | | $59,458 | 14.28 | 3.63 | 4.46 | 1.40 | 2.04 | 101 |
| | H25TK007 | TB070 | 16,050 LBS, 0.33 CY BUCKET | 56 HP D-off | | $82,773 | 19.60 | 5.05 | 6.21 | 1.94 | 2.66 | 161 |
| | **SUBCATEGORY 0.12** | | **OVER 40,000 LBS THRU 100,000 LBS** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | H25CA022 | 320-B | 43,800LBS, 1.50CY BUCKET, 21.75' DIGGING DEPTH, 32' 1" REACH GENERAL BOOM | 128 HP D-off | | $191,528 | 41.41 | 10.42 | 11.97 | 4.43 | 5.71 | 438 |
| | H25CA023 | 320-B L | 49,000 LBS, 0.80CY BUCKET, 39' DIGGING DEPTH, 51.5' LONG REACH BOOM | 128 HP D-off | | $221,156 | 46.49 | 12.02 | 13.82 | 5.11 | 5.71 | 490 |
| | H25CA025 | 325-B L | 60,700LBS, 1.75CY BUCKET, 23.25' DIGGING DEPTH, 34' 6" REACH BOOM | 168 HP D-off | | $283,360 | 59.85 | 15.41 | 17.71 | 6.55 | 7.50 | 607 |
| | H25CA027 | 330-B L | 75,700LBS, 2.09CY BUCKET, 21.58' DIGGING DEPTH, 33' 6" REACH BOOM | 222 HP D-off | | $335,056 | 72.32 | 18.22 | 20.94 | 7.75 | 9.91 | 757 |
| | H25CA032 | 345-B L | 98,600LBS, 3.00CY BUCKET, 30.41' DIGGING DEPTH, 42' 8" REACH BOOM | 290 HP D-off | | $448,833 | 96.40 | 24.41 | 28.05 | 10.38 | 12.95 | 986 |
| | | | **CASE CORPORATION** | | | | | | | | | |
| | H25CS006 | 9030B | 44,440 LBS, 1.30 CY BUCKET | 128 HP D-off | | $187,668 | 40.75 | 10.21 | 11.73 | 4.34 | 5.71 | 443 |
| | H25CS007 | 9040B | 53,020 LBS, 1.82 CY BUCKET | 162 HP D-off | | $237,841 | 51.63 | 12.94 | 14.87 | 5.50 | 7.23 | 528 |
| | H25CS008 | 9050B | 71,200 LBS, 2.74 CY BUCKET | 240 HP D-off | | $294,354 | 66.54 | 16.01 | 18.40 | 6.81 | 10.71 | 714 |
| | H25CS009 | 9060B | 99,660 LBS, 4.17 CY BUCKET | 300 HP D-off | | $438,846 | 95.34 | 23.87 | 27.43 | 10.15 | 13.39 | 1,000 |
| | | | **HITACHI CONSTRUCTION MACHINERY** | | | | | | | | | |
| | H25HI005 | EX200LC-5 | 45,000 LBS, 1.12 CY BUCKET | 132 HP D-off | | $220,360 | 46.63 | 11.99 | 13.77 | 5.10 | 5.89 | 450 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | ***HITACHI CONSTRUCTION MACHINERY (continued)*** | | | | | | | | | |
| | H25HI010 | EX270LC-5 | 60,500 LBS,1.50 CY BUCKET, LONG CARRIAGE | 168 HP D-off | | $302,095 | 63.07 | 16.43 | 18.88 | 6.99 | 7.50 | 623 |
| | H25HI012 | EX450LC-5 | 96,800 LBS,2.38 CY BUCKET, LONG CARRIAGE | 301 HP D-off | | $492,750 | 104.67 | 26.79 | 30.80 | 11.39 | 13.44 | 970 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | H25JD023 | 200 LC | 43,230LBS, 1.30CY BUCKET, 21.91' DIGGING DEPTH, 32' 6" REACH BOOM | 140 HP D-off | | $190,072 | 41.97 | 10.33 | 11.88 | 4.39 | 6.25 | 432 |
| | H25JD024 | 200 LC LONG FR | 42,230LBS, 0.75CY BUCKET, 38.25' DIGGING DEPTH, 50' 11" LONG REACH BOOM | 140 HP D-off | | $213,516 | 45.99 | 11.61 | 13.34 | 4.94 | 6.25 | 422 |
| | H25JD025 | 270 LC | 60,660LBS, 2.03CY BUCKET, 23.75' DIGGING DEPTH, 35' 2" REACH BOOM | 180 HP D-off | | $259,445 | 56.55 | 14.11 | 16.22 | 6.00 | 8.04 | 607 |
| | H25JD026 | 370 | 81,200LBS, 2.59CY BUCKET, 26.25' DIGGING DEPTH, 38' 9" REACH BOOM | 235 HP D-off | | $328,584 | 72.09 | 17.87 | 20.54 | 7.60 | 10.49 | 812 |
| | H25JD027 | 450LC | 97,680LBS, 3.29CY BUCKET, 29.92' DIGGING DEPTH, 43' 11" REACH BOOM | 285 HP D-off | | $430,582 | 92.92 | 23.42 | 26.91 | 9.96 | 12.72 | 977 |
| | | | **KOBELCO AMERICA, INC.** | | | | | | | | | |
| | H25KC019 | SK210 LC | 48,000LBS, 1.13CY BUCKET, 22.00'DIGGING DEPTH, 32' 6" REACH GENERAL BOOM | 143 HP D-off | | $192,819 | 42.63 | 10.49 | 12.05 | 4.46 | 6.38 | 480 |
| | H25KC020 | SK210 LC | 53,400 LBS, 0.63CY BUCKET, 39' DIGGING DEPTH, 50.0' LONG REACH BOOM | 143 HP D-off | | $220,170 | 47.32 | 11.97 | 13.76 | 5.09 | 6.38 | 534 |
| | H25KC021 | SK250 LC | 55,100LBS,1.875CY BUCKET, 23.08'DIGGING DEPTH, 33' 10" REACH GENERAL BOOM | 176 HP D-off | | $221,608 | 49.78 | 12.05 | 13.85 | 5.12 | 7.86 | 551 |
| | H25KC022 | SK250 LC | 59,100LBS, 0.50CY BUCKET, 23.08'DIGGING DEPTH, 60' LONG REACH BOOM | 176 HP D-off | | $263,280 | 56.94 | 14.32 | 16.46 | 6.09 | 7.86 | 591 |
| | H25KC023 | SK330 LC | 77,800LBS, 2.05CY BUCKET, 24.58'DIGGING DEPTH, 36' 10" REACH GENERAL BOOM | 238 HP D-off | | $318,017 | 70.46 | 17.29 | 19.88 | 7.35 | 10.62 | 778 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | H25KM012 | PC 200 LC-6 | 46,363 LBS, 1.50CY BUCKET, 21.75'DIGGING DEPTH, 32' 5" REACH GENERAL BOOM | 133 HP D-off | | $236,822 | 49.53 | 12.88 | 14.80 | 5.48 | 5.94 | 464 |
| | H25KM004 | PC 220 LC-6 | 57,483 LBS, 1.75CY BUCKET, 22.25'DIGGING DEPTH, 33' 5" REACH BOOM | 158 HP D-off | | $270,611 | 56.98 | 14.72 | 16.91 | 6.26 | 7.05 | 575 |
| | H25KM005 | PC 300 LC-5 | 74,803 LBS, 2.50CY BUCKET, 24.25'DIGGING DEPTH, 36' 5" REACH BOOM | 232 HP D-off | | $375,290 | 79.90 | 20.41 | 23.46 | 8.68 | 10.36 | 748 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | ***KOMATSU DRESSER COMPANY (continued)*** | | | | | | | | | |
| | H25KM013 | PC 400 LC-6 | 99,517 LBS, 2.75CY BUCKET, 25.50'DIGGING DEPTH, 39' 5" REACH GENERAL BOOM | 306 HP D-off | | $489,665 | 104.46 | 26.62 | 30.60 | 11.32 | 13.66 | 995 |
| | **SUBCATEGORY 0.13** | | **OVER 100,000 LBS THRU 160,000 LBS** | | | | | | | | | |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | H25JD028 | 550LC | 127,394LBS, 4.10CY BUCKET, 32.17'DIGGING DEPTH, 47' 5" REACH BOOM | 361 HP D-off | | $553,939 | 101.34 | 24.06 | 23.08 | 12.52 | 17.15 | 1,374 |
| | | | **KOBELCO AMERICA, INC.** | | | | | | | | | |
| | H25KC024 | SK400 LC | 101,900LBS, 3.06CY BUCKET, 25.58'DIGGING DEPTH, 38' 9" REACH GENERAL BOOM | 306 HP D-off | | $411,766 | 77.64 | 17.89 | 17.16 | 9.31 | 14.54 | 1,019 |
| | H25KC025 | SK400 LCIV | 102,200LBS, 1.25CY BUCKET, 25.58'DIGGING DEPTH, 65' REACH GENERAL BOOM | 306 HP D-off | | $454,127 | 83.70 | 19.73 | 18.92 | 10.27 | 14.54 | 1,022 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | H25KM014 | PC 400 HD-6 | 102,712LBS, 3.00CY BUCKET, 25.00'DIGGING DEPTH, 39' 5" REACH GENERAL BOOM | 306 HP D-off | | $516,469 | 92.61 | 22.43 | 21.52 | 11.67 | 14.54 | 1,027 |
| | H25KM015 | PC 600 LC-6 | 133,160LBS, 4.25CY BUCKET, 27.83'DIGGING DEPTH, 42' 9" REACH BOOM | 384 HP D-off | | $724,496 | 127.16 | 31.48 | 30.19 | 16.38 | 18.25 | 1,332 |
| | **SUBCATEGORY 0.14** | | **OVER 160,000 LBS** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | H25CA033 | 365-B | 164,400LBS,4.00CY BUCKET, 31.41' DIGGING DEPTH, 42' 2" REACH GENERAL BOOM | 374 HP D-off | | $706,591 | 106.77 | 26.82 | 22.08 | 15.78 | 17.77 | 1,644 |
| | H25CA030 | 375 | 175,500LBS,5.00CY BUCKET, 34.75' DIGGING DEPTH, 51' 5" GENERAL BOOM | 428 HP D-off | | $819,081 | 123.42 | 31.09 | 25.60 | 18.29 | 20.34 | 1,750 |
| | H25CA031 | 375-L | 255,400LBS,6.00CY BUCKET, 26.56' DIGGING DEPTH, 42' 11" REACH BOOM | 428 HP D-off | | $865,616 | 128.91 | 32.86 | 27.05 | 19.33 | 20.34 | 2,554 |
| | | | **HITACHI CONSTRUCTION MACHINERY** | | | | | | | | | |
| | H25HI021 | EX3500-3 | 726,000 LBS, 22.20 CY BUCKET | 1,760 HP D-off | | $3,797,891 | 558.26 | 144.15 | 118.68 | 84.81 | 83.64 | 7,280 |
| | H25HI020 | EX1800-3 | 396,000 LBS, 12.40 CY BUCKET | 1,000 HP D-off | | $1,849,138 | 280.74 | 70.19 | 57.79 | 41.29 | 47.52 | 3,900 |
| | H25HI019 | EX750-5 | 164,600 LBS, 4.32 CY BUCKET | 434 HP D-off | | $855,820 | 128.12 | 32.48 | 26.74 | 19.11 | 20.62 | 1,668 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | H25JD029 | 750 | 167,602LBS, 4.84CY BUCKET, 34.67'DIGGING DEPTH, 51' 6" REACH BOOM | 434 HP D-off | | $721,117 | 112.21 | 27.37 | 22.53 | 16.10 | 20.62 | 1,676 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | H25KM009 | PC 750LC-6 | 171,070LBS, 5.25CY BUCKET, 27.66'DIGGING DEPTH, 44' 6" REACH BOOM | 443 HP D-off | | $933,320 | 137.85 | 35.43 | 29.17 | 20.84 | 21.05 | 1,711 |
| | H25KM010 | PC 1100-6 | 227,100LBS, 8.50CY BUCKET, 34.25'DIGGING DEPTH, 52' 6" REACH GENERAL BOOM | 611 HP D-off | | $1,292,566 | 190.73 | 49.06 | 40.39 | 28.86 | 29.03 | 2,271 |
| | H25KM011 | PC 1100LC-6 | 248,060LBS, 6.50CY BUCKET, 38.00'DIGGING DEPTH, 57' 3" REACH BOOM | 611 HP D-off | | $1,359,540 | 198.65 | 51.61 | 42.49 | 30.36 | 29.03 | 2,481 |
| | | | **O & K** | | | | | | | | | |
| | H25OK001 | RH 30 E | 173,140 LBS, 8.20 CY BUCKET | 400 HP D-off | | $696,126 | 107.15 | 26.42 | 21.75 | 15.54 | 19.01 | 1,732 |
| | **SUBCATEGORY 0.21** | | **ATTACHMENTS, MOBILE SHEARS** | | | | | | | | | |
| | | | **LABOUNTY** | | | | | | | | | |
| | H25LU001 | MSD 7 | MOBILE SHEAR - 10" OPENING, 4' 7" REACH (ADD .10 CY EXCAVATOR) | | | $18,644 | 7.12 | 1.76 | 2.64 | 0.44 | 0.00 | 10 |
| | H25LU002 | MSD 7R | ROTATING MOBILE SHEAR - 10" OPENING, 5' 0" REACH (ADD .20 CY EXCAVATOR) | | | $25,038 | 9.52 | 2.37 | 3.55 | 0.59 | 0.00 | 11 |
| | H25LU003 | MSD 15 | MOBILE SHEAR - 18" OPENING, 6' 6" REACH (ADD .35 CY EXCAVATOR) | | | $39,363 | 14.98 | 3.71 | 5.58 | 0.92 | 0.00 | 30 |
| | H25LU004 | MSD 15R | ROTATING MOBILE SHEAR - 18" OPENING, 8' 6" REACH (ADD .40 CY EXCAVATOR) | | | $50,352 | 19.03 | 4.75 | 7.13 | 1.18 | 0.00 | 35 |
| | H25LU005 | MSD 30 | MOBILE SHEAR - 22" OPENING, 7' 0" REACH (ADD .50 CY EXCAVATOR) | | | $53,723 | 20.45 | 5.07 | 7.61 | 1.26 | 0.00 | 60 |
| | H25LU006 | MSD 30R | ROTATING MOBILE SHEAR - 22" OPENING, 10' 4" REACH (ADD .88 CY EXCAVATOR) | | | $79,510 | 30.12 | 7.49 | 11.26 | 1.86 | 0.00 | 60 |
| | H25LU007 | MSD 40-III | MOBILE SHEAR - 27" OPENING, 8' 6" REACH (ADD 1.0 CY EXCAVATOR) | | | $65,167 | 24.87 | 6.15 | 9.23 | 1.53 | 0.00 | 68 |
| | H25LU008 | MSD 40R-III | ROTATING MOBILE SHEAR - 27" OPENING, 12' 6" REACH (ADD 1.25 CY EXCAVATOR) | | | $90,375 | 34.14 | 8.52 | 12.80 | 2.12 | 0.00 | 87 |
| | H25LU009 | MSD 50-III | MOBILE SHEAR - 32" OPENING, 9' 0" REACH (ADD 1.25 CY EXCAVATOR) | | | $94,187 | 35.62 | 8.88 | 13.34 | 2.21 | 0.00 | 105 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | ***LABOUNTY (continued)*** | | | | | | | | | |
| | H25LU010 | MSD 50R-III | ROTATING MOBILE SHEAR - 32" OPENING, 13' 4" REACH (ADD 1.6 CY EXCAVATOR) | | | $117,938 | 44.47 | 11.12 | 16.71 | 2.76 | 0.00 | 120 |
| | H25LU011 | MSD 70-III | MOBILE SHEAR - 35" OPENING, 10' 4" REACH (ADD 1.75 CY EXCAVATOR) | | | $112,889 | 42.65 | 10.65 | 15.99 | 2.65 | 0.00 | 127 |
| | H25LU012 | MSD 70R-III | ROTATING MOBILE SHEAR - 35" OPENING, 14' 4" REACH (ADD 2.0 CY EXCAVATOR) | | | $143,062 | 54.02 | 13.49 | 20.27 | 3.35 | 0.00 | 149 |
| | H25LU013 | MSD 100-III | MOBILE SHEAR - 38" OPENING, 11' 6" REACH (ADD 2.3 CY EXCAVATOR) | | | $143,356 | 54.22 | 13.52 | 20.31 | 3.36 | 0.00 | 149 |
| | H25LU014 | MSD 100R-III | ROTATING MOBILE SHEAR - 38" OPENING 16' 0" REACH (ADD 2.5 CY EXCAVATOR) | | | $172,634 | 65.17 | 16.28 | 24.46 | 4.05 | 0.00 | 175 |
| | H25LU015 | MSD 140 | MOBILE SHEAR - 44" OPENING, 13' 10' REACH (ADD 3.0 CY EXCAVATOR) | | | $160,212 | 60.69 | 15.10 | 22.70 | 3.75 | 0.00 | 195 |
| | H25LU016 | MSD 140R | ROTATING MOBILE SHEAR - 44" OPENING, 18' 6" REACH (ADD 3.6 CY EXCAVATOR) | | | $197,779 | 74.82 | 18.64 | 28.02 | 4.63 | 0.00 | 245 |
| | **SUBCATEGORY 0.22** | | **ATTACHMENTS, MATERIAL HANDLING** | | | | | | | | | |
| | | | **BALDERSON, INC.** | | | | | | | | | |
| | H25BS001 | | 0.50 CY BUCKET, SHOVEL/BACKHOE, W/TIPS | | | $4,350 | 1.43 | 0.39 | 0.58 | 0.10 | 0.00 | 10 |
| | H25BS002 | | 0.75 CY BUCKET, SHOVEL/BACKHOE, W/TIPS | | | $5,053 | 1.67 | 0.46 | 0.67 | 0.12 | 0.00 | 16 |
| | H25BS003 | | 1.25 CY BUCKET, SHOVEL/BACKHOE, W/TIPS | | | $5,569 | 1.84 | 0.50 | 0.74 | 0.13 | 0.00 | 30 |
| | H25BS004 | | 1.50 CY BUCKET, SHOVEL/BACKHOE, W/TIPS | | | $6,785 | 2.24 | 0.61 | 0.90 | 0.16 | 0.00 | 22 |
| | H25BS005 | | 3.25 CY BUCKET, SHOVEL/BACKHOE, W/TIPS | | | $10,650 | 3.53 | 0.97 | 1.42 | 0.26 | 0.00 | 52 |
| | | | **LABOUNTY** | | | | | | | | | |
| | H25LU023 | 100 TR | 1.25 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD .50 CY EXCAVATOR) | | | $10,430 | 3.70 | 0.95 | 1.39 | 0.25 | 0.00 | 18 |
| | H25LU024 | 110 TR | 3.50 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD .88 CY EXCAVATOR) | | | $15,228 | 5.34 | 1.39 | 2.03 | 0.37 | 0.00 | 27 |
| | H25LU025 | 120 TR | 3.50 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD 1.25 CY EXCAVATOR) | | | $18,829 | 6.62 | 1.71 | 2.51 | 0.45 | 0.00 | 35 |
| | H25LU026 | 140 TR | 5.50 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD 1.6 CY EXCAVATOR) | | | $21,575 | 7.64 | 1.96 | 2.88 | 0.52 | 0.00 | 49 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | ***LABOUNTY (continued)*** | | | | | | | | | |
| | H25LU027 | 160 TR | 6.50 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD 2.3 CY EXCAVATOR) | | | $24,259 | 8.61 | 2.20 | 3.23 | 0.58 | 0.00 | 60 |
| | H25LU028 | 170 TR | 9.00 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM (ADD 3.0 CY EXCAVATOR) | | | $31,201 | 11.02 | 2.83 | 4.16 | 0.75 | 0.00 | 80 |
| | H25LU029 | RB 80 | ROTATING BARREL HANDLER (ADD EXCAVATOR) | | | $24,283 | 8.43 | 2.20 | 3.24 | 0.58 | 0.00 | 17 |
| | H25LU030 | RBC 80 | ROTATING BARREL HANDLER/CRUSHER (ADD 1.0 CY EXCAVATOR) | | | $37,506 | 13.00 | 3.40 | 5.00 | 0.90 | 0.00 | 21 |
| | H25LU031 | MD 30 | MATERIAL DENSIFIER - 50,000 LB. (ADD 1.25 CY EXCAVATOR) | | | $62,057 | 21.72 | 5.63 | 8.27 | 1.49 | 0.00 | 60 |
| | H25LU032 | MD 50 | MATERIAL DENSIFIER - 70,000 LB. (ADD 1.75 CY EXCAVATOR) | | | $74,456 | 26.03 | 6.76 | 9.93 | 1.79 | 0.00 | 90 |
| | H25LU033 | R80 | 0.75 CY ROTATING GRAPPLE (ADD 0.88 CY EXCAVATOR) | | | $33,703 | 11.74 | 3.06 | 4.49 | 0.81 | 0.00 | 22 |
| | H25LU034 | R100 | 1.00 CY ROTATING GRAPPLE (ADD 1.25 CY EXCAVATOR) | | | $45,457 | 15.83 | 4.12 | 6.06 | 1.09 | 0.00 | 40 |
| | H25LU035 | R110 | 1.25 CY ROTATING GRAPPLE (ADD 1.75 CY EXCAVATOR) | | | $48,415 | 16.92 | 4.40 | 6.46 | 1.17 | 0.00 | 64 |
| | H25LU036 | R120 | 2.00 CY ROTATING GRAPPLE (ADD 2.30 CY EXCAVATOR) | | | $51,288 | 17.97 | 4.66 | 6.84 | 1.24 | 0.00 | 84 |
| | | | **WAIN-ROY, INC.** | | | | | | | | | |
| | H25WN001 | | 36" PAVEMENT-REMOVAL BUCKET (ADD 200 HP HYD EXCAVATOR) | | | $11,337 | 3.75 | 1.03 | 1.51 | 0.27 | 0.00 | 31 |
| | **SUBCATEGORY 0.23** | | **ATTACHMENTS, CONCRETE PULVERIZERS** | | | | | | | | | |
| | | | **KENT DEMOLITION TOOLS** | | | | | | | | | |
| | H25KN001 | KHB10G 11 | HYDRA RAM, 2000 LB W/POINT FOR 8-12 TON EXCAVATOR | | | $28,470 | 11.37 | 2.69 | 4.03 | 0.67 | 0.00 | 16 |
| | H25KN002 | KHB15G 11 | HYDRA RAM, 3000 LB W/POINT FOR 13-18 TON EXCAVATOR | | | $39,424 | 15.55 | 3.72 | 5.59 | 0.92 | 0.00 | 29 |
| | H25KN003 | KHB20G 11 | HYDRA RAM, 4000 LB W/POINT FOR 18-25 TON EXCAVATOR | | | $48,216 | 18.91 | 4.55 | 6.83 | 1.13 | 0.00 | 40 |
| | H25KN004 | KHB30G 11 | HYDRA RAM, 5000 LB W/POINT FOR 25-32 TON EXCAVATOR | | | $62,535 | 24.38 | 5.90 | 8.86 | 1.47 | 0.00 | 46 |
| | H25KN005 | KHB40G 11 | HYDRA RAM, 7000 LB W/POINT FOR 32-44 TON EXCAVATOR | | | $78,646 | 31.02 | 7.41 | 11.14 | 1.84 | 0.00 | 60 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***H25*** | | | ***KENT DEMOLITION TOOLS (continued)*** | | | | | | | | | |
| | H25KN006 | KHB50G 11 | HYDRA RAM, 10,000 LB W/POINT FOR OVER 44 TON EXCAVATOR | | | $111,535 | 43.58 | 10.51 | 15.80 | 2.61 | 0.00 | 87 |
| | | | **LABOUNTY** | | | | | | | | | |
| | H25LU045 | CP 30 | CONCRETE PULVERIZER - 14.5" THICK CONCRETE (ADD 0.75 CY EXCAVATOR) | | | $21,327 | 8.64 | 2.01 | 3.02 | 0.50 | 0.00 | 21 |
| | H25LU046 | CP 40 | CONCRETE PULVERIZER - 24" THICK CONCRETE (ADD 1.0 CY EXCAVATOR) | | | $22,840 | 9.23 | 2.16 | 3.24 | 0.54 | 0.00 | 23 |
| | H25LU047 | CP 60 | CONCRETE PULVERIZER - 30" THICK CONCRETE (ADD 1.75 CY EXCAVATOR) | | | $26,532 | 10.73 | 2.50 | 3.76 | 0.62 | 0.00 | 26 |
| | H25LU048 | CP 80 | CONCRETE PULVERIZER - 36" THICK CONCRETE (ADD 2.0 CY EXCAVATOR) | | | $29,509 | 11.96 | 2.78 | 4.18 | 0.69 | 0.00 | 37 |
| | H25LU049 | CP 100 | CONCRETE PULVERIZER - 42" THICK CONCRETE (ADD 3.0 CY EXCAVATOR) | | | $35,744 | 14.44 | 3.37 | 5.06 | 0.84 | 0.00 | 49 |
| | H25LU050 | CP 120 | CONCRETE PULVERIZER - 48" THICK CONCRETE (ADD 3.5 CY EXCAVATOR) | | | $43,710 | 17.58 | 4.12 | 6.19 | 1.02 | 0.00 | 78 |
| | H25LU040 | UP 50 | UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 36" OPENING, 12' 6" REACH (ADD 1.25 CY EXCAVATOR) | | | $87,524 | 34.16 | 8.25 | 12.40 | 2.05 | 0.00 | 82 |
| | H25LU041 | UP 70 | UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 48.25" OPENING, 14' 0" REACH (ADD 1.60 CY EXCAVATOR) | | | $110,981 | 43.12 | 10.46 | 15.72 | 2.60 | 0.00 | 97 |
| | H25LU042 | UP 90 | UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 62" OPENING, 13' 0" REACH (ADD 2.30 CY EXCAVATOR) | | | $134,891 | 53.00 | 12.72 | 19.11 | 3.16 | 0.00 | 166 |
| | H25LU053 | UP 50 | UNIVERSAL PROCESSOR W/ DEMOLITION COMBO STEEL & CONCRETE JAW, 41" OPENING 12' 6" REACH (ADD 1.25 CY EXCAVATOR) | | | $99,292 | 38.66 | 9.37 | 14.07 | 2.33 | 0.00 | 96 |
| | H25LU054 | HP 70 | UNIVERSAL PROCESSOR W/ STEEL PLATE SHEAR JAW, 21" OPENING 14' 0" REACH (ADD 1.60 CY EXCAVATOR) | | | $122,280 | 47.43 | 11.53 | 17.32 | 2.87 | 0.00 | 126 |
| | **SUBCATEGORY 0.24** | | **ATTACHMENTS, COMPACTORS** | | | | | | | | | |
| | | | **AMERICAN COMPACTION EQUIPMENT, INC.** | | | | | | | | | |
| | H25AX001 | DC-24BL | 23" WIDE, SHEEPS FOOT ROLLER, 3 RIMS FOR 12.5-25 TON EXCAVATOR | | | $6,321 | 2.42 | 0.60 | 0.90 | 0.15 | 0.00 | 21 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H25* | | | *AMERICAN COMPACTION EQUIPMENT, INC. (continued)* | | | | | | | | | |
| | H25AX003 | DC-24EX | 23" WIDE, SHEEPS FOOT ROLLER, 3 RIMS FOR 25-37.5 TON EXCAVATOR | | | $7,807 | 2.98 | 0.74 | 1.11 | 0.18 | 0.00 | 31 |
| | H25AX005 | DC-24EXL | 24" WIDE, SHEEPS FOOT ROLLER, 3 RIMS FOR 37.5-55 TON EXCAVATOR | | | $8,577 | 3.28 | 0.81 | 1.22 | 0.20 | 0.00 | 35 |
| | H25AX002 | DC-36BL | 35" WIDE, SHEEPS FOOT ROLLER, 4 RIMS FOR 12.5-25 TON EXCAVATOR | | | $6,896 | 2.63 | 0.65 | 0.98 | 0.16 | 0.00 | 25 |
| | H25AX004 | DC-36EX | 35" WIDE, SHEEPS FOOT ROLLER, 4 RIMS FOR 25-37.5 TON EXCAVATOR | | | $8,914 | 3.40 | 0.84 | 1.26 | 0.21 | 0.00 | 37 |
| | H25AX006 | DC-36EXL | 36" WIDE, SHEEPS FOOT ROLLER, 4 RIMS FOR 37.5-55 TON EXCAVATOR | | | $9,727 | 3.72 | 0.92 | 1.38 | 0.23 | 0.00 | 43 |
| | | | **KENT DEMOLITION TOOLS** | | | | | | | | | |
| | H25KN007 | KHP-30 | SOIL COMPACTOR & SHEET DRIVER IMPULSE FORCE - 3,000 LBS | | | $4,009 | 1.68 | 0.38 | 0.57 | 0.09 | 0.00 | 4 |
| | H25KN009 | KHP-135 | SOIL COMPACTOR & SHEET DRIVER IMPULSE FORCE - 13,500 LBS | | | $8,166 | 3.27 | 0.77 | 1.16 | 0.19 | 0.00 | 14 |
| | H25KN010 | KHP-210 | SOIL COMPACTOR & SHEET DRIVER IMPULSE FORCE - 20,000 LBS | | | $12,193 | 4.81 | 1.16 | 1.73 | 0.29 | 0.00 | 23 |
| **H30** | **HYDRAULIC EXCAVATORS, WHEEL MOUNTED** | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **0 THRU 1.0 CY** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | H30CA005 | M-318 | 33,700LBS,1.00 CY BUCKET, 19.00' DIGGING DEPTH, 30' 9" REACH GENERAL BOOM, 4X4 | 128 HP D-off | | $182,248 | 44.71 | 12.69 | 16.65 | 4.36 | 5.71 | 337 |
| | | | **GRADALL COMPANY** | | | | | | | | | |
| | H30GA001 | G3W | 0.500 CY BUCKET, 4X4 | 125 HP D-off | 205 HP D-on | $173,990 | 46.72 | 12.17 | 16.01 | 4.16 | 8.04 | 380 |
| | H30GA003 | G3WD | 0.625 CY BUCKET, 4X2,TELESCOPIC BOOM | 37 HP D-off | 190 HP D-on | $159,493 | 37.46 | 11.16 | 14.69 | 3.81 | 3.93 | 340 |
| | H30GA004 | G3WD | 0.625 CY BUCKET, 4X4,TELESCOPIC BOOM | 37 HP D-off | 190 HP D-on | $176,221 | 40.78 | 12.32 | 16.21 | 4.21 | 3.93 | 347 |
| | H30GA006 | XL4100 | 0.750 CY BUCKET, 6X4,TELESCOPIC BOOM | 145 HP D-off | 200 HP D-on | $258,535 | 64.43 | 18.08 | 23.80 | 6.18 | 8.87 | 451 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.02** | | **OVER 1.0 CY** | | | | | | | | | |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | H30KM001 | PW170ES-6 | 37,600LBS,1.12 CY BUCKET, 18.67' DIGGING DEPTH, 29' 5" REACH GENERAL BOOM, 4X4 | 125 HP D-off | | $207,042 | 44.82 | 12.50 | 15.27 | 4.86 | 5.58 | 376 |
| **H35** | **HYDRAULIC SHOVELS, CRAWLER MOUNTED** | | | | | | | | | | | |
| | **SUBCATEGORY 0.12** | | **DIESEL, OVER 5.0 CY** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | H35CA001 | 5080 FS | 185,800LBS, 6.8 CY BUCKET, FRONT SHOVEL | 428 HP D-off | | $927,171 | 106.85 | 29.98 | 20.60 | 19.68 | 20.34 | 1,858 |
| | | | **HITACHI CONSTRUCTION MACHINERY** | | | | | | | | | |
| | H35HI004 | EX750-5 | 5.23 CY BUCKET, SHOVEL | 434 HP D-off | | $944,285 | 108.69 | 30.53 | 20.98 | 20.04 | 20.62 | 1,666 |
| | H35HI002 | EX1800-3 | 13.50 CY BUCKET, SHOVEL | 1,000 HP D-off | | $1,851,923 | 222.48 | 59.89 | 41.15 | 39.31 | 47.52 | 3,896 |
| | H35HI003 | EX3500-3 | 23.50 CY BUCKET, SHOVEL | 1,760 HP D-off | | $456,158 | 149.24 | 14.75 | 10.14 | 9.68 | 83.64 | 7,360 |
| | | | **KOBELCO AMERICA, INC.** | | | | | | | | | |
| | H35KC001 | SK330LC | 80,700LBS, 4.0 CY BUCKET, FRONT SHOVEL APPROX. 5' DIGGING DEPTH, 29' REACH | 238 HP D-off | | $333,224 | 43.65 | 10.77 | 7.40 | 7.07 | 11.31 | 807 |
| | H35KC002 | SK400IV | 107,700LBS, 5.88CY BUCKET, FRONT SHOVEL APPROX. 7' DIGGING DEPTH, 32' REACH | 306 HP D-off | | $427,460 | 56.04 | 13.82 | 9.50 | 9.07 | 14.54 | 1,077 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | H35KM008 | PC 1800-6 | 183,700 LBS, 15.50 CY BUCKET APPROX.43.9' DIGGING DEPTH, 51.75' REACH | 908 HP D-off | | $2,115,703 | 239.56 | 68.42 | 47.02 | 44.91 | 43.15 | 3,968 |
| | | | **O & K** | | | | | | | | | |
| | H35OK001 | RH 40 E | 9.20 CY BUCKET, SHOVEL | 496 HP D-off | | $946,553 | 112.77 | 30.61 | 21.03 | 20.09 | 23.57 | 2,204 |
| | H35OK003 | RH 90 C | 13.10 CY BUCKET, SHOVEL | 856 HP D-off | | $1,755,061 | 205.13 | 56.75 | 39.00 | 37.25 | 40.68 | 3,484 |
| | H35OK004 | RH 120 C | 17.00 CY BUCKET, SHOVEL | 1,150 HP D-off | | $2,427,888 | 281.64 | 78.52 | 53.95 | 51.54 | 54.65 | 4,895 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *H35* | | | *O & K (continued)* | | | | | | | | | |
| | H35OK005 | RH 200 | 34.00 CY BUCKET, SHOVEL | 2,060 HP D-off | | $5,168,689 | 575.35 | 167.15 | 114.86 | 109.72 | 97.89 | 10,582 |
| **L10** | **LAND CLEARING EQUIPMENT** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LAND CLEARING EQUIPMENT** | | | | | | | | | |
| | | | **BALDERSON, INC.** | | | | | | | | | |
| | L10BS002 | BMA8 | MULTIAPPLICATION RAKE (FOR D8N TRACTOR) | | | $24,682 | 5.77 | 1.55 | 1.97 | 0.56 | 0.00 | 68 |
| | L10BS004 | BBL7 | BLADE RAKE (FOR D7H TRACTOR) | | | $8,522 | 2.13 | 0.53 | 0.68 | 0.19 | 0.00 | 24 |
| | L10BS005 | BRK8 | ROCK & ROOT RAKE (FOR D8N TRACTOR) | | | $22,622 | 5.31 | 1.42 | 1.81 | 0.51 | 0.00 | 72 |
| | L10BS006 | RV8N | V-TREE CUTTER (FOR D8N TRACTOR) | | | $35,848 | 8.35 | 2.25 | 2.87 | 0.81 | 0.00 | 133 |
| | L10BS007 | 988 DTC | LOGGING FORK (FOR 988B LOADER) | | | $31,747 | 7.54 | 1.99 | 2.54 | 0.72 | 0.00 | 90 |
| | | | **BUSH HOG** | | | | | | | | | |
| | L10BU009 | FH174 | FLAIL MOWER, 62" WIDE,0.5-5"HT, 2"CAP (ADD 30-60 HP TRACTOR) | | | $4,251 | 1.85 | 0.27 | 0.34 | 0.10 | 0.00 | 10 |
| | L10BU005 | SM-60 | ROTARY CUTTER, 5' WIDTH, MIN TRACTOR LIFT CAP - 3200# @ 24", SIDE MOUNT | | | $6,946 | 2.65 | 0.44 | 0.56 | 0.16 | 0.00 | 17 |
| | L10BU010 | 278RP | ROTARY CUTTER, 8' WIDTH, 2.5"-12" HT, CENTER MOUNT (ADD 40HP TRACTOR) | | | $5,560 | 2.03 | 0.35 | 0.44 | 0.13 | 0.00 | 13 |
| | L10BU011 | 3610 | ROTARY CUTTER, 10.5' WIDTH, 2"-14"HT, STRAIGHT BLADE (ADD 70HP TRACTOR) | | | $11,582 | 4.07 | 0.73 | 0.93 | 0.26 | 0.00 | 46 |
| | L10BU012 | 3615 | ROTARY CUTTER, 15' WIDTH, 2"-14"HT, STRAIGHT BLADE (ADD 80HP TRACTOR) | | | $14,608 | 5.24 | 0.92 | 1.17 | 0.33 | 0.00 | 51 |
| | L10BU013 | 2620 | ROTARY CUTTER, 20' WIDTH, 2"-14"HT, STRAIGHT BLADE (ADD 90HP TRACTOR) | | | $17,745 | 6.43 | 1.11 | 1.42 | 0.40 | 0.00 | 63 |
| | | | **ROME PLOW COMPANY** | | | | | | | | | |
| | L10RM004 | RV8N | V-TREE & BRUSH CUTTER (FOR D8 TRACTOR) | | | $33,410 | 7.81 | 2.10 | 2.67 | 0.76 | 0.00 | 133 |
| | | | **VERMEER MANUFACTURING COMPANY** | | | | | | | | | |
| | L10VE010 | SC 252 | STUMPER, 16" DIA WHEEL, TRAILER MTD | 25 HP G | | $11,635 | 6.53 | 0.72 | 0.92 | 0.26 | 2.85 | 11 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L10* | | | ***VERMEER MANUFACTURING COMPANY (continued)*** | | | | | | | | | | |
| | L10VE002 | SC 630B | STUMPER, 18" DIA WHEEL, TRAILER MTD | 34 HP | G | | $11,971 | 8.05 | 0.75 | 0.95 | 0.27 | 3.88 | 17 |
| | L10VE009 | SC 672A | STUMPER, 25" DIA WHEEL, TRAILER MTD | 65 HP | G | | $23,871 | 15.60 | 1.49 | 1.89 | 0.54 | 7.41 | 33 |
| | L10VE005 | TS-30 | TREE SPADE, 30" DIAMETER, 24" DEPTH, TRAILER MOUNTED | 13 HP | G | | $8,932 | 4.04 | 0.55 | 0.70 | 0.20 | 1.48 | 38 |
| | L10VE006 | TS-44A | TREE SPADE, 44" DIAMETER, 40" DEPTH, TRAILER MOUNTED | 13 HP | G | | $21,347 | 6.79 | 1.33 | 1.69 | 0.48 | 1.48 | 66 |
| | L10VE007 | TS-50M | TREE SPADE, 50" DIAMETER, 48" DEPTH (ADD 13,800 GVW TRUCK) | | | | $20,616 | 6.07 | 1.30 | 1.65 | 0.47 | 0.00 | 81 |
| **L15** | **LANDSCAPING EQUIPMENT** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LANDSCAPING EQUIPMENT** | | | | | | | | | | |
| | | | **EXCEL INDUSTRIES** | | | | | | | | | | |
| | L15EX014 | HUSTLER 1500 | MOWER-RIDE ON, 54" DECK, SIDE DISCHARGE | 20 HP | G | | $5,627 | 6.55 | 0.71 | 1.13 | 0.14 | 3.04 | 8 |
| | L15EX015 | HUSTLER 260R | MOWER-RIDE ON, 60" WIDE DECK, REAR DISCHARGE & BAK PAC GRASS CATCHER | 22 HP | G | | $9,020 | 8.51 | 1.14 | 1.81 | 0.23 | 3.34 | 0 |
| | L15EX002 | HUSTLER 3200 | MOWER-RIDE ON, 72" DECK WITH EXTRA HI-LIFT BAC VAC GRASS CATCHER & ROPS | 23 HP | D-off | | $15,073 | 8.71 | 1.91 | 3.06 | 0.38 | 1.36 | 14 |
| | L15EX012 | HUSTLER 6400 | MOWER-RIDE ON, 72" DECK, HILLSIDE MOWER | 38 HP | G | | $28,443 | 20.68 | 3.64 | 5.83 | 0.72 | 5.78 | 22 |
| | L15EX010 | HUSTLER 4500 | MOWER-RIDE ON, 72" DECK WITH EXTRA HI-LIFT BAC VAC GRASS CATCHER & ROPS | 54 HP | G | | $21,905 | 20.93 | 2.85 | 4.59 | 0.55 | 8.21 | 15 |
| | | | **FINN EQUIPMENT** | | | | | | | | | | |
| | L15FG001 | T330 | HYDROSEEDER, 3000 GAL, TRUCK MTD (ADD 56,000 GVW TRUCK) | 109 HP | D-off | | $45,769 | 29.75 | 6.02 | 9.73 | 1.15 | 6.44 | 85 |
| | | | **DEERE & COMPANY** | | | | | | | | | | |
| | L15JD001 | F725 | 54" DECK, SIDE DISCHARGE, RIDING, 4X2 | 20 HP | G | | $10,415 | 8.68 | 1.27 | 2.02 | 0.26 | 3.04 | 12 |
| | L15JD002 | F911 | 60" DECK, SIDE DISCHARGE, RIDING, 4X2 | 22 HP | G | | $14,267 | 10.88 | 1.78 | 2.83 | 0.36 | 3.34 | 15 |
| | L15JD004 | F935 | 72" DECK, SIDE DISCHARGE, RIDING, 4X2 | 22 HP | D-off | | $17,907 | 9.89 | 2.25 | 3.60 | 0.45 | 1.30 | 23 |
| | L15JD003 | F1145 | 72" DECK, SIDE DISCHARGE, RIDING, 4X4 | 28 HP | D-off | | $21,805 | 12.14 | 2.75 | 4.40 | 0.55 | 1.65 | 26 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **TORO** | | | | | | | | | | |
| | L15TO001 | SR-21SE | 21" REAR BAGGER - PUSH MOWER | 6 HP | G | | $863 | 1.59 | 0.11 | 0.18 | 0.02 | 0.91 | 1 |
| | L15TO002 | 8-25 | 32" RIDING MOWER | 8 HP | G | | $2,370 | 2.68 | 0.29 | 0.46 | 0.06 | 1.22 | 4 |
| | L15TO003 | 267-H | 48" DECK GROUNDMASTER W/118 TRACTOR | 17 HP | G | | $4,643 | 5.52 | 0.59 | 0.94 | 0.12 | 2.58 | 8 |
| | L15TO004 | 267-H | 52" DECK W/GROUNDMASTER W/118 TRACTOR | 17 HP | G | | $4,833 | 5.61 | 0.62 | 0.99 | 0.12 | 2.58 | 8 |
| | L15TO006 | 30223 | 62" DECK W/GROUNDMASTER W/223 TRACTOR | 23 HP | G | | $15,967 | 11.98 | 2.06 | 3.31 | 0.40 | 3.50 | 18 |
| | L15TO005 | 30243 | 62" DECK W/GROUNDMASTER W/223D TRACTR | 23 HP | D-off | | $19,558 | 10.83 | 2.53 | 4.07 | 0.49 | 1.36 | 20 |
| | L15TO007 | 30789 | 72" DECK W/GROUNDMASTER | 45 HP | G | | $17,587 | 17.10 | 2.27 | 3.65 | 0.44 | 6.84 | 20 |
| | L15TO008 | 30795 | 72" DECK W/GROUNDMASTER W/223D TRACTOR | 25 HP | D-off | | $22,136 | 12.19 | 2.87 | 4.62 | 0.56 | 1.48 | 25 |
| | | | **WILLMAR EQUIPMENT CO.** | | | | | | | | | | |
| | L15WI001 | S-200 | 85 CF DRY CHEMICAL SPREADER (ADD 55 HP FARM TRACTOR) | | | | $6,025 | 2.76 | 0.77 | 1.24 | 0.15 | 0.00 | 15 |
| **L20** | **LIGHTING SETS, TRAILER MOUNTED** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **METALLIC VAPOR** | | | | | | | | | | |
| | | | **ALLMAND BROTHERS, INC.** | | | | | | | | | | |
| | L20AB014 | NITE-LITE 1000 | 6.0 KW 4/1000W, W/GEN SET, TRLR MTD | 12 HP | D-off | | $12,819 | 5.69 | 0.93 | 1.26 | 0.30 | 0.76 | 17 |
| | L20AB012 | MAXI-LITE 4H | 6.0 KW 4/1000W, WITH GENERATOR SET, HYDRAULIC MAST, TRLR MTD | 12 HP | D-off | | $16,962 | 7.18 | 1.22 | 1.66 | 0.39 | 0.76 | 26 |
| | L20AB013 | MAXI-LITE 695 | 6.0 KW 4/1250W, WITH GENERATOR SET, CABLE ELECTRIC MAST, TRLR MTD | 17 HP | D-off | | $14,262 | 6.59 | 1.03 | 1.40 | 0.33 | 1.05 | 20 |
| | L20AB015 | 2200/SE ALT 15 | 15 LAMP, FLASHING ARROW, TRLR MTD, SOLAR PANELS W/ BATTERY CHARGER | | | | $6,754 | 2.46 | 0.49 | 0.65 | 0.16 | 0.00 | 12 |
| | L20AB016 | 2200/SE APF 25 | 25 LAMP, FLASHING ARROW, TRLR MTD, SOLAR PANELS W/ BATTERY CHARGER | | | | $7,077 | 2.57 | 0.50 | 0.68 | 0.16 | 0.00 | 12 |
| | | | **AMIDA INDUSTRIES, INC.** | | | | | | | | | | |
| | L20AI001 | MITI-LITE 500-4 | 4/500W, W/4.0 KW GEN, TRLR MTD | 4 HP | G | | $4,952 | 2.66 | 0.36 | 0.48 | 0.12 | 0.65 | 6 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L20* | | | ***AMIDA INDUSTRIES, INC. (continued)*** | | | | | | | | | | |
| | L20AI002 | LT5060 D-4 | 4/1000W, W/6.0 KW GEN, TRLR MTD | 11 HP | D-off | | $17,476 | 7.32 | 1.28 | 1.73 | 0.41 | 0.70 | 21 |
| | L20AI003 | LT5080 D-4 | 4/1000W, W/8.0 KW GEN, TRLR MTD, MANUAL-CABLE WINCH RAISED 30' MAST | 16 HP | D-off | | $19,497 | 8.46 | 1.42 | 1.93 | 0.45 | 1.01 | 9 |
| | L20AI004 | LT7080D-6MH | 6/1000W, W/8.0 KW GEN, TRLR MTD, HYDRAULIC RAISED MAST | 16 HP | D-off | | $25,887 | 10.77 | 1.89 | 2.57 | 0.60 | 0.98 | 35 |
| **L25** | **LINE STRIPING EQUIPMENT** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LINE STRIPING EQUIPMENT** | | | | | | | | | | |
| | | | **M-B COMPANIES, INC.** | | | | | | | | | | |
| | L25MB001 | 3-10 | LINE STRIPER, 1 GUN, WALK BEHIND | 5 HP | G | | $2,435 | 2.58 | 0.18 | 0.24 | 0.06 | 0.81 | 2 |
| | L25MB002 | 5-10A | LINE STRIPER, 1 GUN, WALK BEHIND | 5 HP | G | | $3,262 | 3.11 | 0.25 | 0.33 | 0.08 | 0.81 | 6 |
| | L25MB005 | 5-12 | LINE STRIPER, 2 GUNS, WALK BEHIND | 10 HP | G | | $4,687 | 4.62 | 0.35 | 0.47 | 0.11 | 1.62 | 10 |
| | L25MB003 | 6-28 | LINE STRIPER, 2 GUNS, INTERMEDIATE, | 10 HP | G | | $10,752 | 6.81 | 0.79 | 1.08 | 0.25 | 1.62 | 15 |
| | L25MB007 | 220 | LINE STRIPER, 3-4 GUNS, INTERMEDIATE | 23 HP | G | | $35,259 | 17.10 | 2.59 | 3.53 | 0.82 | 3.71 | 30 |
| | L25MB006 | 245 | LINE STRIPER, INTERMEDIATE | 60 HP | G | | $77,393 | 38.60 | 5.67 | 7.74 | 1.80 | 9.69 | 48 |
| | L25MB004 | VANMARK 360 | LINE STRIPER, 1 COLOR, 2-3 LINES, WITH 11,000# GVW TRUCK | 190 HP | G | | $99,597 | 73.53 | 7.23 | 9.84 | 2.31 | 30.69 | 116 |
| | L25MB008 | 360 | LINE STRIPER, THERMAL PLASTICS 120 GALLONS, TRUCK MOUNTED | 190 HP | G | | $185,002 | 100.76 | 13.44 | 18.28 | 4.30 | 30.69 | 80 |
| **L30** | **LOADERS, BELT (CONVEYOR BELTS) & ACCESSORIES** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LOADERS, BELT (CONVEYOR BELTS) & ACCESSORIES** | | | | | | | | | | |
| | | | **MORGEN MANUFACTURING COMPANY** | | | | | | | | | | |
| | L30MO001 | 303-750 | 48' MOBILE PLACER CONVEYOR, CONCRETE & AGGREGATE, 16" WIDE | 30 HP | G | | $36,961 | 13.64 | 2.29 | 2.89 | 0.84 | 3.71 | 57 |
| | L30MO002 | 303-775 | 56' MOBILE PLACER CONVEYOR, CONCRETE & AGGREGATE, 16" WIDE | 30 HP | G | | $38,672 | 14.03 | 2.39 | 3.02 | 0.88 | 3.71 | 62 |
| | | | **MAXON INDUSTRIES** | | | | | | | | | | |
| | L30MX008 | | SLIDER BELT CONVEYOR, 300 FPM, 1 CY PER MINUTE | | | | $25,611 | 6.71 | 1.61 | 2.05 | 0.58 | 0.00 | 1 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **L35** | **LOADERS, FRONT END, CRAWLER TYPE** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LOADERS, FRONT END, CRAWLER TYPE** | | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | | |
| | L35CA011 | 933-C HYSTAT | 1.30 CY BUCKET | 70 HP | D-off | | $86,839 | 35.51 | 6.36 | 8.68 | 2.02 | 3.63 | 188 |
| | L35CA012 | 933-C LGP HYST | 1.30 CY BUCKET- LGP | 70 HP | D-off | | $93,635 | 37.85 | 6.85 | 9.36 | 2.17 | 3.63 | 199 |
| | L35CA013 | 939-C HYSTAT | 1.50 CY BUCKET | 90 HP | D-off | | $107,997 | 44.39 | 7.91 | 10.80 | 2.51 | 4.67 | 207 |
| | L35CA005 | 953-C | 2.25 CY BUCKET | 121 HP | D-off | | $166,475 | 67.04 | 12.20 | 16.65 | 3.87 | 6.27 | 310 |
| | L35CA014 | 963-C | 3.20 CY BUCKET | 160 HP | D-off | | $216,318 | 87.32 | 15.84 | 21.63 | 5.02 | 8.29 | 452 |
| | L35CA007 | 973 | 3.70 CY BUCKET | 210 HP | D-off | | $319,010 | 126.78 | 23.36 | 31.90 | 7.41 | 10.89 | 548 |
| | | | **DEERE & COMPANY** | | | | | | | | | | |
| | L35JD002 | 455G | 1.30 CY MULTI-PURPOSE BUCKET | 70 HP | D-off | | $87,307 | 35.67 | 6.40 | 8.73 | 2.03 | 3.63 | 176 |
| | L35JD003 | 555G | 1.50 CY MULTI-PURPOSE BUCKET | 90 HP | D-off | | $109,218 | 44.81 | 8.00 | 10.92 | 2.54 | 4.67 | 197 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | | |
| | L35KM006 | D75S-5 | 3.30 CY BUCKET, POWERSHIFT | 200 HP | D-off | | $361,638 | 140.76 | 26.48 | 36.16 | 8.40 | 10.37 | 483 |
| | | | **TAKEUCHI** | | | | | | | | | | |
| | L35TK001 | TL26 | 0.48 CY BUCKET | 61 HP | D-off | | $36,605 | 17.41 | 2.68 | 3.66 | 0.85 | 3.16 | 68 |
| **L40** | **LOADERS, FRONT END, WHEEL TYPE** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.11** | | **ARTICULATED, 0 THRU 225 HP** | | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | | |
| | L40CA019 | 914-G | 1.70 CY BUCKET, ARTICULATED, 4X4 | 98 HP | D-off | | $102,159 | 27.77 | 6.13 | 7.46 | 2.40 | 4.66 | 158 |
| | L40CA022 | 924-Gz | 2.20 CY BUCKET, ARTICULATED, 4X4 | 112 HP | D-off | | $111,579 | 30.67 | 6.69 | 8.14 | 2.62 | 5.32 | 215 |
| | L40CA015 | 928-G | 2.50 CY BUCKET, ARTICULATED, 4X4 | 137 HP | D-off | | $1,200,821 | 239.33 | 73.10 | 89.84 | 28.18 | 6.51 | 244 |
| | L40CA023 | 938-G | 3.25 CY BUCKET, ARTICULATED, 4X4 | 145 HP | D-off | | $165,611 | 44.80 | 9.86 | 11.94 | 3.89 | 6.89 | 317 |
| | L40CA024 | 950-G | 3.50 CY, BUCKET, ARTICULATED, 4X4 | 180 HP | D-off | | $211,390 | 57.15 | 12.55 | 15.17 | 4.96 | 8.55 | 418 |
| | L40CA025 | 962-G | 4.00 CY BUCKET, ARTICULATED, 4X4 | 200 HP | D-off | | $222,211 | 60.68 | 13.21 | 15.99 | 5.21 | 9.50 | 440 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L40* | | | *CATERPILLAR, INC. (continued)* | | | | | | | | | | |
| | L40CA026 | 966-G | 4.75 CY BUCKET, ARTICULATED, 4X4 | 235 HP | D-off | | $292,367 | 78.05 | 17.36 | 20.99 | 6.86 | 11.17 | 505 |
| | | | **CASE CORPORATION** | | | | | | | | | | |
| | L40CS009 | 621B | 2.60 CY BUCKET, ARTICULATED, 4X4 | 126 HP | D-off | | $125,063 | 35.35 | 7.41 | 8.96 | 2.93 | 5.99 | 253 |
| | L40CS010 | 721B | 2.75 CY BUCKET, ARTICULATED, 4X4 | 140 HP | D-off | | $157,020 | 42.44 | 9.36 | 11.36 | 3.68 | 6.65 | 285 |
| | L40CS011 | 821B | 3.67 CY BUCKET, ARTICULATED, 4X4 | 170 HP | D-off | | $206,538 | 55.32 | 12.28 | 14.85 | 4.85 | 8.08 | 367 |
| | | | **DEERE & COMPANY** | | | | | | | | | | |
| | L40JD009 | 344H | 1.75 CY BUCKET, ARTICULATED, 4X4 | 98 HP | D-off | | $97,365 | 27.12 | 5.80 | 7.04 | 2.28 | 4.66 | 164 |
| | L40JD010 | 444H | 2.50 CY BUCKET, ARTICULATED, 4X4 | 110 HP | D-off | | $103,259 | 29.13 | 6.17 | 7.49 | 2.42 | 5.23 | 215 |
| | L40JD011 | 544H | 3.00 CY BUCKET, ARTICULATED, 4X4 | 130 HP | D-off | | $123,407 | 34.43 | 7.40 | 9.00 | 2.90 | 6.18 | 259 |
| | L40JD012 | 644H | 4.25 CY BUCKET, ARTICULATED, 4X4 | 180 HP | D-off | | $193,792 | 52.71 | 11.58 | 14.05 | 4.55 | 8.55 | 383 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | | |
| | L40KM001 | WA120-3L3 | 1.85 CY BUCKET, ARTICULATED, 4X4 | 105 HP | D-off | | $113,964 | 30.79 | 6.82 | 8.29 | 2.67 | 4.99 | 181 |
| | L40KM002 | WA180-3L | 2.25 CY BUCKET, ARTICULATED, 4X4 | 118 HP | D-off | | $131,681 | 35.12 | 7.90 | 9.62 | 3.09 | 5.61 | 206 |
| | L40KM003 | WA250-3MC | 2.50 CY BUCKET, ARTICULATED, 4X4 | 135 HP | D-off | | $158,911 | 41.55 | 9.56 | 11.66 | 3.73 | 6.42 | 248 |
| | L40KM004 | WA320-3MC | 3.50 CY BUCKET, ARTICULATED, 4X4 | 173 HP | D-off | | $187,428 | 51.00 | 11.19 | 13.58 | 4.40 | 8.22 | 312 |
| | L40KM005 | WA380-3MC | 4.25 CY BUCKET, ARTICULATED, 4X4 | 205 HP | D-off | | $241,607 | 65.07 | 14.36 | 17.38 | 5.67 | 9.74 | 393 |
| | L40KM006 | WA420-3MC | 4.80 CY BUCKET, ARTICULATED, 4X4 | 230 HP | D-off | | $268,063 | 71.93 | 15.97 | 19.36 | 6.29 | 10.93 | 428 |
| | **SUBCATEGORY 0.12** | | **ARTICULATED, OVER 225 HP** | | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | | |
| | L40CA027 | 972-G | 5.25 CY BUCKET, ARTICULATED, 4X4 | 265 HP | D-off | | $308,982 | 73.19 | 16.88 | 19.94 | 6.91 | 12.59 | 550 |
| | L40CA007 | 980-G | 6.00 CY, BUCKET, ARTICULATED, 4X4 | 300 HP | D-off | | $386,224 | 90.84 | 21.01 | 24.73 | 8.64 | 14.26 | 645 |
| | L40CA008 | 988-F SERIES II | 9.00 CY, BUCKET, ARTICULATED, 4X4 | 430 HP | D-off | | $561,659 | 128.04 | 30.39 | 35.66 | 12.56 | 20.43 | 968 |
| | L40CA018 | 990 SERIES II | 11.00 CY BUCKET, ARTICULATED, 4X4 | 625 HP | D-off | | $938,273 | 201.72 | 50.66 | 59.35 | 20.98 | 29.70 | 1,628 |
| | L40CA009 | 992-D | 15.00 CY, BUCKET, ARTICULATED, 4X4 | 800 HP | D-off | | $1,300,928 | 274.35 | 70.51 | 82.83 | 29.09 | 38.02 | 2,023 |
| | | | **CASE CORPORATION** | | | | | | | | | | |
| | L40CS012 | 921B | 5.00 CY BUCKET, ARTICULATED, 4X4 | 248 HP | D-off | | $272,315 | 66.93 | 14.78 | 17.37 | 6.09 | 11.78 | 503 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | L40JD006 | 744H | 5.25 CY, BUCKET, ARTICULATED, 4X4 | 260 HP D-off | | $282,956 | 69.49 | 15.37 | 18.08 | 6.33 | 12.36 | 503 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | L40KM007 | WA450-3MC | 5.50 CY BUCKET, ARTICULATED, 4X4 | 271 HP D-off | | $318,981 | 74.38 | 17.28 | 20.29 | 7.13 | 12.88 | 502 |
| | L40KM008 | WA500-3L | 6.50 CY BUCKET, ARTICULATED, 4X4 | 335 HP D-off | | $439,164 | 99.33 | 23.86 | 28.07 | 9.82 | 15.92 | 663 |
| | L40KM009 | WA600-3L | 8.00 CY BUCKET, ARTICULATED, 4X4 | 490 HP D-off | | $581,438 | 132.14 | 31.28 | 36.56 | 13.00 | 23.28 | 997 |
| | L40KM010 | WA700-3L | 11.10 CY BUCKET, ARTICULATED, 4X4 | 684 HP D-off | | $1,127,016 | 236.10 | 61.37 | 72.34 | 25.20 | 32.50 | 1,511 |
| | L40KM011 | WA800-3LC | 13.10 CY BUCKET, ARTICULATED, 4X4 | 853 HP D-off | | $1,454,349 | 303.49 | 78.97 | 92.88 | 32.53 | 40.53 | 2,192 |
| | **SUBCATEGORY 0.20** | | **SKID STEER** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | L40CA028 | 216 | 60" GEN PURPOSE BUCKET, 13.0CF 23CWT,4X4 | 49 HP D-off | | $23,090 | 9.94 | 1.66 | 2.23 | 0.54 | 2.54 | 55 |
| | L40CA029 | 226 | 60" GEN PURPOSE BUCKET, 13.0CF 25CWT,4X4 | 54 HP D-off | | $24,149 | 10.61 | 1.73 | 2.34 | 0.56 | 2.80 | 57 |
| | L40CA030 | 236 | 66" GEN PURPOSE BUCKET, 14.0CF 40CWT,4X4 | 59 HP D-off | | $29,202 | 12.36 | 2.09 | 2.81 | 0.68 | 3.06 | 71 |
| | L40CA031 | 246 | 72" GEN PURPOSE BUCKET, 15.4CF 40CWT,4X4 | 74 HP D-off | | $30,929 | 13.99 | 2.21 | 2.98 | 0.72 | 3.84 | 74 |
| | | | **CASE CORPORATION** | | | | | | | | | |
| | L40CS014 | 1825B | 44" DIRT/UTILITY BUCKET, 4.8 CF CAP | 25 HP D-off | | $17,542 | 6.54 | 1.27 | 1.72 | 0.41 | 1.30 | 32 |
| | L40CS016 | 1838 | 54" DIRT BUCKET, 7.9 CF CAP | 46 HP D-off | | $22,164 | 9.42 | 1.59 | 2.15 | 0.51 | 2.38 | 52 |
| | L40CS017 | 1840 | 54" DIRT BUCKET, 7.9 CF CAP | 50 HP D-off | | $24,724 | 10.40 | 1.78 | 2.41 | 0.57 | 2.59 | 45 |
| | L40CS018 | 1845C | 63" DIRT BUCKET, 9.1 CF CAP | 56 HP D-off | | $29,568 | 12.15 | 2.13 | 2.87 | 0.69 | 2.90 | 59 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | L40JD013 | 240 | 54" GEN PURPOSE BUCKET, 10.3CF 15CWT,4X4 | 51 HP D-off | | $21,140 | 9.60 | 1.51 | 2.03 | 0.49 | 2.64 | 57 |
| | L40JD014 | 250 | 66" GEN PURPOSE BUCKET, 12.0CF 17CWT,4X4 | 61 HP D-off | | $24,013 | 11.14 | 1.72 | 2.32 | 0.56 | 3.16 | 57 |
| | L40JD015 | 260 | 72" GEN PURPOSE BUCKET, 13.0CF 22CWT,4X4 | 69 HP D-off | | $29,809 | 13.60 | 2.04 | 2.70 | 0.69 | 3.58 | 57 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L40* | | | ***DEERE & COMPANY (continued)*** | | | | | | | | | | |
| | L40JD016 | 270 | 84" GEN PURPOSE BUCKET, 15.3CF 26CWT,4X4 | 77 HP | D-off | | $35,056 | 15.57 | 2.43 | 3.23 | 0.81 | 3.99 | 57 |
| | | | **MELROE COMPANY** | | | | | | | | | | |
| | L40ME015 | 450 | 36" DIRT BUCKET, 5.1 CF CAP | 17 HP | G | | $9,162 | 5.49 | 0.66 | 0.89 | 0.21 | 2.19 | 19 |
| | L40ME016 | 453 | 44" DIRT BUCKET, 6.5 CF CAP | 16 HP | D-off | | $11,716 | 4.28 | 0.84 | 1.14 | 0.27 | 0.81 | 20 |
| | L40ME017 | 553 | 48" DIRT BUCKET, 6.7 CF CAP | 23 HP | D-off | | $15,250 | 5.79 | 1.08 | 1.46 | 0.35 | 1.17 | 34 |
| | L40ME018 | 751 | 60" UTILITY BUCKET, 14.3 CF CAP | 38 HP | D-off | | $18,444 | 7.82 | 1.33 | 1.80 | 0.43 | 1.97 | 46 |
| | L40ME012 | 753 | 60" LOW PROFILE BUCKET, 13.0 CF CAP | 44 HP | D-off | | $20,178 | 8.71 | 1.46 | 1.97 | 0.47 | 2.26 | 48 |
| | L40ME019 | 863 | 66" LOW PROFILE BUCKET, 16.3 CF CAP | 74 HP | D-off | | $27,818 | 13.17 | 1.99 | 2.67 | 0.65 | 3.81 | 67 |
| | **SUBCATEGORY 0.31** | | **TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP** | | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | | |
| | L40CA013 | IT14G | INTEGRATED TOOL CARRIER, 4X4, 1.75 CY LOADER; 6,303 LB @ 12.17'H, FORK LIFT; OR 1,841 LB @ 22.42' H,MAT HANDLING ARM | 90 HP | D-off | | $103,165 | 28.03 | 6.19 | 7.53 | 2.42 | 4.28 | 172 |
| | L40CA012 | IT28G | INTEGRATED TOOL CARRIER, 4X4, 2.50 CY LOADER; 10,640 LB @ 12.58' H, FORK LIFT; OR 3,195 LB @ 23.25' H,MAT HANDLING ARM | 125 HP | D-off | | $137,797 | 37.50 | 8.29 | 10.11 | 3.23 | 5.94 | 235 |
| | L40CA014 | IT62G | INTEGRATED TOOL CARRIER, 4X4, 4.25 CY LOADER; 13,670 LB @ 12.42' H, FORK LIFT; OR 5,040 LB @ 22.67' H,MAT HANDLING ARM | 200 HP | D-off | | $235,367 | 62.49 | 14.21 | 17.37 | 5.52 | 9.50 | 404 |
| | | | **JCB** | | | | | | | | | | |
| | L40JC004 | 526 | 5000# LIFT CAPACITY, 4X4, TELESCOPIC BM | 100 HP | D-off | | $64,327 | 21.06 | 3.83 | 4.63 | 1.51 | 4.75 | 130 |
| | L40JC005 | 530 | 6000# LIFT CAPACITY, 4X4, TELESCOPIC BM | 80 HP | D-off | | $69,568 | 20.69 | 4.14 | 5.01 | 1.63 | 3.80 | 151 |
| | L40JC006 | 506C | 6000# LIFT CAPACITY, 4X4, TELESCOPIC BM | 80 HP | D-off | | $83,241 | 23.08 | 5.00 | 6.09 | 1.95 | 3.80 | 215 |
| | | | **DEERE & COMPANY** | | | | | | | | | | |
| | L40JD017 | TC44H | INTEGRATED TOOL CARRIER, 4X4, 2.50 CY LOADER; 8,633 LB @ 11.41'H, FORK LIFT; OR 3,920 LB @ 22.00' H,MAT HANDLING ARM | 110 HP | D-off | | $112,433 | 31.60 | 6.73 | 8.17 | 2.64 | 5.23 | 225 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L40* | | | ***DEERE & COMPANY (continued)*** | | | | | | | | | |
| | L40JD018 | TC54H | INTEGRATED TOOL CARRIER, 4X4, 3.00 CY LOADER; 11,217 LB @ 12.25'H, FORK LIFT; OR 5,163 LB @ 22.42' H,MAT HANDLING ARM | 130 HP D-off | | $128,830 | 36.28 | 7.72 | 9.40 | 3.02 | 6.18 | 266 |
| | L40JD019 | TC62H | INTEGRATED TOOL CARRIER, 4X4, 3.50 CY LOADER; 13,979 LB @ 12.05'H, FORK LIFT; OR 6,404 LB @ 22.42' H,MAT HANDLING ARM | 160 HP D-off | | $159,158 | 44.45 | 9.57 | 11.68 | 3.73 | 7.60 | 305 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | L40KM012 | WA180-3 PTC | INTEGRATED TOOL CARRIER, 4X4, 2.25 CY LOADER; 4,966 LB @ 12.00'H, FORK LIFT; OR 2,306 LB @ 18.50' H,MAT HANDLING ARM | 118 HP D-off | | $135,404 | 36.71 | 8.13 | 9.90 | 3.18 | 5.61 | 172 |
| | L40KM013 | WA250-3 PTC | INTEGRATED TOOL CARRIER, 4X4, 2.50 CY LOADER; 6,068 LB @ 12.25' H, FORK LIFT; OR 6,669 LB @ 23.17' H,MAT HANDLING ARM | 135 HP D-off | | $158,582 | 43.85 | 9.42 | 11.39 | 3.72 | 6.42 | 235 |
| **L50** | **LOADERS / BACKHOE, WHEEL TYPE** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LOADERS / BACKHOE, WHEEL TYPE** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | L50CA001 | 416-C | 1.00 CY FE BUCKET,18" B/H BUCKET,14.5'DP | 80 HP D-off | | $74,161 | 19.53 | 4.45 | 5.42 | 1.74 | 3.00 | 145 |
| | L50CA002 | 426-C | 1.25 CY FE BUCKET,24" B/H BUCKET,15.5'DP | 85 HP D-off | | $82,956 | 21.58 | 4.99 | 6.08 | 1.95 | 3.18 | 159 |
| | L50CA003 | 436-C | 1.38 CY FE BUCKET,30" B/H BUCKET,16.2'DP | 93 HP D-off | | $89,164 | 23.28 | 5.36 | 6.53 | 2.09 | 3.48 | 160 |
| | L50CA004 | 446-B | 1.50 CY FE BUCKET,36" B/H BUCKET,17.1'DP | 110 HP D-off | | $120,956 | 30.78 | 7.25 | 8.82 | 2.84 | 4.12 | 193 |
| | | | **CASE CORPORATION** | | | | | | | | | |
| | L50CS004 | 580L | 1.00 CY FE BUCKET, 24" B/H DIPPER, 4X4, EXTENDAHOE | 71 HP D-off | | $71,572 | 18.53 | 4.30 | 5.24 | 1.68 | 2.66 | 144 |
| | L50CS005 | 580 SUPER L | 1.00 CY FE BUCKET, 24" B/H DIPPER, 4X4 | 86 HP D-off | | $75,108 | 20.06 | 4.50 | 5.48 | 1.76 | 3.22 | 139 |
| | L50CS006 | 590 SUPER L | 1.25 CY FE BUCKET, 24" B/H DIPPER, 4X4, EXTENDAHOE | 86 HP D-off | | $90,464 | 23.33 | 5.38 | 6.51 | 2.12 | 3.22 | 166 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **JCB** | | | | | | | | | |
| | L50JC001 | 210S | 0.80 CY FE BUCKET, 30" B/H DIPPER, 4X4X4 | 60 HP D-off | | $55,321 | 14.87 | 3.27 | 3.93 | 1.30 | 2.25 | 118 |
| | L50JC002 | 214 | 1.10 CY FE BUCKET, 36" B/H DIPPER, 2X4 | 86 HP D-off | | $68,068 | 18.69 | 4.04 | 4.88 | 1.60 | 3.22 | 154 |
| | L50JC003 | 214S | 1.25 CY FE BUCKET, 36" B/H DIPPER, 4X4X4 | 92 HP D-off | | $77,017 | 20.93 | 4.59 | 5.56 | 1.81 | 3.44 | 166 |
| | L50JC004 | 215 | 1.25 CY FE BUCKET, 36" B/H DIPPER, 4X4 | 92 HP D-off | | $77,553 | 20.93 | 4.62 | 5.59 | 1.82 | 3.44 | 154 |
| | L50JC005 | 215S | 1.25 CY FE BUCKET, 36" B/H DIPPER, 4X4X4 | 92 HP D-off | | $84,824 | 22.52 | 5.07 | 6.15 | 1.99 | 3.44 | 166 |
| | L50JC006 | 217 | 1.50 CY FE BUCKET, 36" B/H DIPPER, 4X4 | 92 HP D-off | | $101,943 | 25.88 | 6.10 | 7.42 | 2.39 | 3.44 | 154 |
| | L50JC007 | 217S | 1.50 CY FE BUCKET, 36" B/H DIPPER, 4X4X4 | 92 HP D-off | | $109,566 | 27.53 | 6.58 | 8.01 | 2.57 | 3.44 | 166 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | L50JD001 | 310E | 1.12 CY FE BUCKET, 18" B/H BUCKET, 14.2' DIGGING DEPTH, 4X2 | 71 HP D-off | | $61,686 | 16.53 | 3.70 | 4.49 | 1.45 | 2.66 | 128 |
| | L50JD002 | 410E | 1.30 CY FE BUCKET, 18" B/H BUCKET, 15.8' DIGGING DEPTH, 4X2 | 90 HP D-off | | $76,399 | 20.61 | 4.56 | 5.54 | 1.79 | 3.37 | 150 |
| | L50JD005 | 710D | 1.62 CY FE BUCKET, 24" B/H BUCKET, 18.1' DIGGING DEPTH, 4X2 | 115 HP D-off | | $128,580 | 32.74 | 7.70 | 9.36 | 3.02 | 4.31 | 230 |
| **L55** | **LOADER / BACKHOE, ATTACHMENTS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LOADER / BACKHOE, ATTACHMENTS** | | | | | | | | | |
| | | | **KENT DEMOLITION TOOLS** | | | | | | | | | |
| | L55KN001 | KB-555 | AIR RAM, WITH NARROW CHISEL, 2.5"D, 30"L (ADD COMPR) | 175 CFM A | | $6,649 | 3.01 | 0.61 | 0.89 | 0.16 | 0.00 | 6 |
| | L55KN002 | KB-999 | AIR RAM, WITH NARROW CHISEL, 3.5"D, 36"L (ADD COMPR) | 250 CFM A | | $13,576 | 6.14 | 1.24 | 1.81 | 0.33 | 0.00 | 10 |
| | L55KN003 | KB-2600 | AIR RAM, WITH NARROW CHISEL, 5.25"D,48"L (ADD AIR COMPR) (ADD MIN .75CY B/H) | 750 CFM A | | $27,692 | 12.37 | 2.52 | 3.69 | 0.67 | 0.00 | 22 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **L60** | **LOG SKIDDERS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **LOG SKIDDERS** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | L60CA014 | 517 GRAPPLE | LOG SKIDDER, BLADE, 8 SF GRAPPLE CABLE WINCH @ 69,200 LB LINE-PULL | 120 HP D-off | | $223,032 | 66.09 | 16.88 | 23.70 | 5.03 | 5.70 | 364 |
| | L60CA012 | 515 | WHEEL LOG SKIDDER, 4X2,BLADE,8SF GRAPPLE CABLE WINCH @ 30,000 LB LINE-PULL, 4X2 | 140 HP D-off | | $142,187 | 46.74 | 10.47 | 14.54 | 3.20 | 6.65 | 262 |
| | L60CA013 | 525 | WHEEL LOG SKIDDER,4X2,BLADE,11SF GRAPPLE CABLE WINCH @ 43,000 LB LINE-PULL, 4X2 | 160 HP D-off | | $169,955 | 55.30 | 12.58 | 17.49 | 3.83 | 7.60 | 284 |
| | L60CA010 | 527 CABLE | TRACK LOG SKIDDER, POWER ANGLE BLADE CABLE WINCH @ 69,200 LB LINE-PULL | 150 HP D-off | | $251,314 | 75.42 | 19.01 | 26.70 | 5.66 | 7.13 | 404 |
| | L60CA011 | 527 GRAPPLE | TRACK LOG SKIDDER, A-BLADE, 10SF GRAPPLE CABLE WINCH @ 69,200 LB LINE-PULL | 150 HP D-off | | $277,153 | 82.19 | 20.98 | 29.45 | 6.25 | 7.13 | 417 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | L60JD001 | 540G - SKIDDER | WHEEL LOG SKIDDER,4X4 , WITH ANGLE BLADE CABLE WINCH @ 40,525 LB LINE-PULL | 121 HP D-off | | $119,437 | 40.03 | 8.74 | 12.09 | 2.69 | 5.75 | 217 |
| | L60JD003 | 548G GRAPPLE | WHEEL LOG SKIDDER, 4X4,BLADE,8SF GRAPPLE | 121 HP D-off | | $122,416 | 40.81 | 8.97 | 12.41 | 2.76 | 5.75 | 251 |
| | L60JD004 | 648G GRAPPLE | WHEEL LOG SKIDDER, 4X4,BLADE,8SF GRAPPLE | 157 HP D-off | | $150,181 | 51.34 | 10.77 | 14.77 | 3.38 | 7.46 | 288 |
| | L60JD002 | 640G SKIDDER | WHEEL LOG SKIDDER, 4X4, WITH ANGLE BLADE CABLE WINCH @ 48,767 LB LINE-PULL | 157 HP D-off | | $174,824 | 56.84 | 12.93 | 17.98 | 3.94 | 7.46 | 239 |
| | L60JD006 | 643G | FELLER BUNCHER, 18"DIA LOG,WHEEL MTD,4X4 | 170 HP D-off | | $198,336 | 64.31 | 14.56 | 20.18 | 4.47 | 8.08 | 320 |
| | L60JD008 | 653G | FELLER BUNCHER, 28" DIA LOG, CRAWLER MTD | 170 HP D-off | | $279,703 | 84.15 | 21.16 | 29.72 | 6.30 | 8.08 | 410 |
| | L60JD007 | 843G | FELLER BUNCHER, 20"DIA LOG,WHEEL MTD,4X4 | 200 HP D-off | | $210,721 | 69.49 | 15.50 | 21.49 | 4.75 | 9.50 | 323 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **ALLIED SYSTEMS COMPANY** | | | | | | | | | | | |
| | L60RN001 | F65 | CABLE LOG SKIDDER, W/22,400# LINE-PULL | 104 HP D-off | | $104,020 | 34.21 | 7.70 | 10.72 | 2.34 | 4.94 | 163 |
| | L60RN002 | H66 | CABLE LOG SKIDDER, W/29,200# LINE-PULL | 132 HP D-off | | $126,569 | 42.21 | 9.25 | 12.80 | 2.85 | 6.27 | 217 |
| | L60RN003 | H77 | CABLE LOG SKIDDER, W/33,400# LINE-PULL | 159 HP D-off | | $129,839 | 44.83 | 9.51 | 13.15 | 2.93 | 7.56 | 220 |
| | L60RN004 | F68 | CABLE LOG SKIDDER, W/34,600# LINE-PULL | 217 HP D-off | | $157,845 | 56.37 | 11.35 | 15.58 | 3.56 | 10.31 | 346 |
| | L60RN005 | F65 | GRAPPLE LOG SKIDDER | 104 HP D-off | | $123,907 | 39.41 | 9.21 | 12.83 | 2.79 | 4.94 | 163 |
| | L60RN006 | H66 | GRAPPLE LOG SKIDDER | 132 HP D-off | | $140,949 | 45.65 | 10.52 | 14.68 | 3.18 | 6.27 | 217 |
| | L60RN007 | H67 | GRAPPLE LOG SKIDDER | 159 HP D-off | | $154,618 | 50.99 | 11.55 | 16.14 | 3.48 | 7.56 | 220 |
| | L60RN008 | F68 | GRAPPLE LOG SKIDDER | 217 HP D-off | | $163,931 | 57.96 | 11.81 | 16.23 | 3.69 | 10.31 | 346 |
| **M10** | **MARINE EQUIPMENT (NON DREDGING)** | | | | | | | | | | | |
| | **SUBCATEGORY 0.41** | | **WORK FLOATS (NON-DREDGING)** | | | | | | | | | |
| | **MARINE INLAND FABRICATERS** | | | | | | | | | | | |
| | M10MZ001 | | 20' X 8' X 2' WORK FLOAT, MEDIUM DUTY | | | $5,322 | 1.50 | 0.52 | 0.80 | 0.12 | 0.00 | 43 |
| | M10MZ002 | | 25' X 8' X 2' WORK FLOAT, MEDIUM DUTY | | | $5,823 | 1.63 | 0.57 | 0.87 | 0.13 | 0.00 | 53 |
| | M10MZ003 | | 30' X 10' X 3' WORK FLOAT, MEDIUM DUTY | | | $8,815 | 2.47 | 0.86 | 1.32 | 0.20 | 0.00 | 82 |
| | **SUBCATEGORY 0.42** | | **WORK BARGES (SECTIONAL, NON-DREDGING)** | | | | | | | | | |
| | **MARINE INLAND FABRICATERS** | | | | | | | | | | | |
| | M10MZ004 | | 35' X 10' X 3' WORK BARGE, MEDIUM DUTY | | | $14,009 | 1.06 | 0.49 | 0.42 | 0.28 | 0.00 | 131 |
| | M10MZ005 | RAKE | 40' X 12' X 4' WORK BARGE, MEDIUM DUTY WITH ONE BUCKHEAD & SPUDS | | | $22,605 | 1.72 | 0.79 | 0.68 | 0.45 | 0.00 | 193 |
| | M10MZ006 | | 45' X 12' X 4' WORK BARGE, MEDIUM DUTY WITH ONE BUCKHEAD & SPUDS | | | $25,573 | 1.93 | 0.89 | 0.77 | 0.50 | 0.00 | 220 |
| | M10MZ007 | | 50' X 14' X 4' WORK BARGE, MEDIUM DUTY | | | $29,088 | 2.20 | 1.01 | 0.87 | 0.57 | 0.00 | 273 |
| | M10MZ008 | | 55' X 14' X 5' WORK BARGE, MEDIUM DUTY | | | $35,964 | 2.73 | 1.25 | 1.08 | 0.71 | 0.00 | 319 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *M10* | | | ***MARINE INLAND FABRICATERS (continued)*** | | | | | | | | | | |
| | M10MZ009 | | 60' X 16' X 5' WORK BARGE, MEDIUM DUTY | | | | $43,054 | 3.26 | 1.50 | 1.29 | 0.85 | 0.00 | 388 |
| | **SUBCATEGORY 0.51** | | **BOATS & LAUNCHES, 0 THRU 250 HP** | | | | | | | | | | |
| | | | **MARINE INLAND FABRICATERS** | | | | | | | | | | |
| | M10MZ010 | COLT | 20' 3" X 8' X 3' TRUCKABLE WORKBOAT WITH PILOT HOUSE & PUSH KNEES | 140 HP | D-off | | $34,206 | 14.43 | 1.63 | 1.82 | 0.72 | 6.65 | 95 |
| | M10MZ011 | MUSTANG | 25' 3" X 10' X 3'6" TRUCKABLE WORKBOAT WITH PILOT HOUSE & PUSH KNEES | 210 HP | D-off | | $45,390 | 20.87 | 2.17 | 2.41 | 0.96 | 9.98 | 190 |
| | | | **SEAARK MARINE** | | | | | | | | | | |
| | M10SM001 | 17' | 17' LITTLE GIANT, UTILITY SERIES,W/CABIN TRI-HULL, CAPACITY 2000 LBS, OUTBOARD | 150 HP | G | | $42,632 | 31.84 | 2.03 | 2.26 | 0.90 | 18.53 | 18 |
| | M10SM002 | 19' | 19' LITTLE GIANT, UTILITY SERIES,W/CABIN TRI-HULL, CAPACITY 2400 LBS, OUTBOARD | 200 HP | G | | $45,398 | 40.96 | 2.17 | 2.41 | 0.96 | 24.70 | 20 |
| | M10SM003 | 21' | 21' LITTLE GIANT, UTILITY SERIES,W/CABIN TRI-HULL, CAPACITY 2800 LBS, OUTBOARD | 200 HP | G | | $47,703 | 41.26 | 2.28 | 2.53 | 1.01 | 24.70 | 24 |
| | M10SM004 | 23' | 23' LITTLE GIANT, UTILITY SERIES,W/CABIN TRI-HULL, CAPACITY 3400 LBS, STERN DRIVE | 250 HP | G | | $52,188 | 50.60 | 2.49 | 2.77 | 1.10 | 30.88 | 28 |
| | M10SM005 | 18' | 18' RIVER RUNNER, VEE HULL, NO CABIN, O/B ENGINE, CAPACITY 1350 LBS | 115 HP | G | | $19,326 | 22.66 | 0.93 | 1.03 | 0.41 | 14.20 | 15 |
| | M10SM006 | 20' | 20' RIVER RUNNER, VEE HULL, NO CABIN, O/B ENGINE, CAPACITY 1650 LBS | 115 HP | G | | $21,395 | 22.93 | 1.02 | 1.14 | 0.45 | 14.20 | 15 |
| | M10SM007 | 17' | 17' ROUSTABOUT, TRI HULL, NO CABIN, O/B ENGINE, CAPACITY 2200 LBS | 150 HP | G | | $32,799 | 30.56 | 1.56 | 1.74 | 0.69 | 18.53 | 16 |
| | M10SM008 | 19' | 19' ROUSTABOUT, TRI HULL, NO CABIN, O/B ENGINE, CAPACITY 2600 LBS | 200 HP | G | | $35,840 | 39.71 | 1.71 | 1.90 | 0.76 | 24.70 | 17 |
| | M10SM009 | 21' | 21' ROUSTABOUT, TRI HULL, NO CABIN, O/B ENGINE, CAPACITY 3000 LBS | 200 HP | G | | $38,210 | 40.02 | 1.83 | 2.03 | 0.81 | 24.70 | 25 |
| | M10SM010 | 23' | 23' ROUSTABOUT, TRI HULL, NO CABIN, O/B ENGINE, CAPACITY 3600 LBS | 200 HP | G | | $41,224 | 40.41 | 1.97 | 2.19 | 0.87 | 24.70 | 29 |
| | M10SM011 | 2008-B | 20' 3" TRANSPORTER SERIES, SINGLE STERN DRIVE, FLAT OR 5 DEGREE VEE HULL, CAPACITY 3500 LBS, W/6X6 CABIN | 205 HP | G | | $59,656 | 43.70 | 2.85 | 3.17 | 1.26 | 25.32 | 34 |
| | M10SM012 | 2408-B | 24' 3" TRANSPORTER SERIES, STERN DRIVE, FLAT OR 5 DEGREE VEE HULL, CAPACITY 4000 LBS, W/6X6 CABIN | 250 HP | G | | $66,185 | 52.44 | 3.16 | 3.52 | 1.40 | 30.88 | 41 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *M10* | | | ***SEAARK MARINE (continued)*** | | | | | | | | | | |
| | M10SM016 | 2008-C | 20' 4" SURVEYOR SERIES, SINGLE STERN DRIVE, TRI HULL, CAP 3500 LBS, W/CABIN | 205 HP | G | | $53,979 | 42.96 | 2.58 | 2.87 | 1.14 | 25.32 | 28 |
| | M10SM013 | 2308-C | 22'10" SURVEYOR UTILITY SERIES, STERN DRIVE, FLAT OR 5 DEGREE VEE HULL, CAPACITY 4000 LBS, W/CABIN | 250 HP | G | | $61,398 | 51.81 | 2.93 | 3.26 | 1.30 | 30.88 | 42 |
| **P10** | **PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS** | | | | | | | | | | |
| | | | **INTERNATIONAL CONSTRUCTION EQUIPMENT** | | | | | | | | | | |
| | P10IC001 | 216 | DRIVER/EXTRACTOR, 30 TON LINE-PULL | 175 HP | D-off | | $99,370 | 42.37 | 7.98 | 10.77 | 2.59 | 8.32 | 130 |
| | P10IC002 | 416L | DRIVER/EXTRACTOR, 40 TON LINE-PULL | 300 HP | D-off | | $156,463 | 68.35 | 12.55 | 16.95 | 4.07 | 14.26 | 207 |
| | P10IC003 | 612 | DRIVER/EXTRACTOR, 40-TON LINE-PULL | 300 HP | D-off | | $196,197 | 80.57 | 15.73 | 21.25 | 5.10 | 14.26 | 235 |
| | P10IC004 | 815 | DRIVER/EXTRACTOR, 50 TON LINE-PULL | 503 HP | D-off | | $250,646 | 110.99 | 20.10 | 27.15 | 6.52 | 23.90 | 316 |
| | P10IC005 | 1412B | DRIVER/EXTRACTOR, 150 TON LINE-PULL | 800 HP | D-off | | $399,893 | 176.91 | 32.06 | 43.32 | 10.40 | 38.02 | 525 |
| | P10IC010 | | SWING LEAD, 26" X 86' | | | | $22,017 | 6.78 | 1.77 | 2.39 | 0.57 | 0.00 | 101 |
| | P10IC012 | | SWING LEAD, 32" X 88' | | | | $27,156 | 8.36 | 2.18 | 2.94 | 0.71 | 0.00 | 155 |
| | P10IC011 | | FIXED LEAD, 26" X 86', W/SPOTTER | 13 HP | D-off | | $41,481 | 13.64 | 3.33 | 4.49 | 1.08 | 0.62 | 134 |
| | P10IC013 | | FIXED LEAD, 32" X 88', W/SPOTTER | 13 HP | G | | $45,832 | 16.38 | 3.68 | 4.97 | 1.19 | 1.61 | 193 |
| **P20** | **PILE HAMMERS, DOUBLE ACTING** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **DIESEL** | | | | | | | | | | |
| | | | **INTERNATIONAL CONSTRUCTION EQUIPMENT** | | | | | | | | | | |
| | P20IC001 | 180 | 8,100 FT-LBS, MAXIMUM STROKE 4'9" (ADD LEADS AND CRANE) | | | | $41,287 | 17.27 | 3.60 | 5.16 | 1.02 | 0.00 | 52 |
| | P20IC002 | 440 | 18,100 FT-LBS, MAXIMUM STROKE 4'8" (ADD LEADS & CRANE) | | | | $95,043 | 38.78 | 8.29 | 11.88 | 2.35 | 0.00 | 122 |
| | P20IC003 | 520 | 30,000 FT-LBS, MAXIMUM STROKE 5'11" (ADD LEADS & CRANE) | | | | $91,878 | 38.15 | 8.01 | 11.48 | 2.27 | 0.00 | 159 |
| | P20IC004 | 640 | 40,000 FT-LBS, MAXIMUM STROKE 6'8" (ADD LEADS & CRANE) | | | | $97,739 | 41.08 | 8.53 | 12.22 | 2.42 | 0.00 | 169 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **MKT MANUFACTURING, INC.** | | | | | | | | | |
| | P20MK001 | DA-15C | 8,200 FT-LBS, MAXIMUM STROKE 10'-6", DIESEL (ADD LEADS & CRANE) | | | $51,580 | 21.27 | 4.51 | 6.45 | 1.28 | 0.00 | 60 |
| | P20MK002 | 5 | 1,000 FT-LBS, MAXIMUM STROKE 7" (ADD COMPRESSOR, LEADS & CRANE) | 250 CFM A | | $19,685 | 8.14 | 1.72 | 2.46 | 0.49 | 0.00 | 17 |
| | P20MK003 | 6 | 2,500 FT-LBS, MAXIMUM STROKE 8.75" (ADD COMPRESSOR, LEADS & CRANE) | 400 CFM A | | $24,060 | 10.34 | 2.11 | 3.01 | 0.60 | 0.00 | 31 |
| | P20MK004 | 7 | 4,150 FT-LBS, MAXIMUM STROKE 9.5" (ADD COMPRESSOR, LEADS & CRANE) | 450 CFM A | | $30,122 | 12.95 | 2.64 | 3.77 | 0.75 | 0.00 | 50 |
| | P20MK005 | 9B3 | 8,750 FT-LBS, MAXIMUM STROKE 17" (ADD COMPRESSOR, LEADS & CRANE) | 600 CFM A | | $48,987 | 20.26 | 4.27 | 6.12 | 1.21 | 0.00 | 74 |
| | P20MK006 | 10B3 | 13,100 FT-LBS, MAXIMUM STROKE 19" (ADD COMPRESSOR, LEADS & CRANE) | 750 CFM A | | $53,911 | 23.42 | 4.70 | 6.74 | 1.33 | 0.00 | 114 |
| | P20MK007 | 11B3 | 19,150 FT-LBS, MAXIMUM STROKE 19" (ADD COMPRESSOR, LEADS & CRANE) | 900 CFM A | | $60,600 | 26.02 | 5.29 | 7.58 | 1.50 | 0.00 | 141 |
| **P25** | **PILE HAMMERS, SINGLE ACTING** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **DIESEL** | | | | | | | | | |
| | | | **PILECO** | | | | | | | | | |
| | P25DL001 | D6-32 | 10,500 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE) | | | $44,960 | 17.76 | 4.08 | 5.99 | 1.08 | 0.00 | 38 |
| | P25DL002 | D8-22 | 18,000 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE) | | | $47,199 | 18.91 | 4.29 | 6.29 | 1.14 | 0.00 | 42 |
| | P25DL003 | D12-32 | 31,320 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE) | | | $51,843 | 20.59 | 4.71 | 6.91 | 1.25 | 0.00 | 63 |
| | P25DL004 | D19-32 | 42,800 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE) | | | $70,339 | 28.11 | 6.38 | 9.38 | 1.69 | 0.00 | 76 |
| | P25DL005 | D25-32 | 58,248 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE) | | | $104,404 | 41.70 | 9.47 | 13.92 | 2.51 | 0.00 | 122 |
| | P25DL006 | D30-32 | 69,898 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE) | | | $110,511 | 44.63 | 10.03 | 14.73 | 2.66 | 0.00 | 133 |
| | P25DL007 | D36-32 | 83,880 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE) | | | $138,303 | 55.54 | 12.55 | 18.44 | 3.33 | 0.00 | 174 |
| | P25DL008 | D46-32 | 107,177 FT-LBS, MAXIMUM STROKE 11'8" (ADD LEADS & CRANE) | | | $149,538 | 61.24 | 13.57 | 19.94 | 3.60 | 0.00 | 196 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***P25*** | | | ***PILECO (continued)*** | | | | | | | | | |
| | P25DL009 | D62-22 | 165,000 FT-LBS, MAX STROKE 11'8" (ADD LEADS & CRANE) | | | $284,360 | 112.97 | 25.81 | 37.91 | 6.85 | 0.00 | 280 |
| | P25DL010 | D80-23 | 225,000 FT-LBS, MAX STROKE 11'8" (ADD LEADS & CRANE) | | | $407,731 | 160.77 | 37.00 | 54.36 | 9.82 | 0.00 | 377 |
| | P25DL011 | D100-13 | 300,000 FT-LBS, MAX STROKE 11'8" (ADD LEADS & CRANE) | | | $437,270 | 173.47 | 39.68 | 58.30 | 10.53 | 0.00 | 454 |
| | | | **INTERNATIONAL CONSTRUCTION EQUIPMENT** | | | | | | | | | |
| | P25IC001 | 30S | 22,500 FT-LBS, MAXIMUM STROKE 7' 8" | | | $63,954 | 26.13 | 5.81 | 8.53 | 1.54 | 0.00 | 73 |
| | P25IC002 | 42S | 42,000 FT-LBS, MAXIMUM STROKE 10' 5" | | | $77,535 | 32.46 | 7.04 | 10.34 | 1.87 | 0.00 | 91 |
| | P25IC003 | 60S | 60,000 FT-LBS, MAXIMUM STROKE 10' 5" | | | $123,376 | 50.55 | 11.20 | 16.45 | 2.97 | 0.00 | 161 |
| | P25IC004 | 80S | 80,000 FT-LBS, MAXIMUM STROKE 12' 5" | | | $144,092 | 59.20 | 13.08 | 19.21 | 3.47 | 0.00 | 175 |
| | P25IC005 | 100S | 100,000 FT-LBS, MAXIMUM STROKE 12' 0" | | | $187,282 | 76.31 | 17.00 | 24.97 | 4.51 | 0.00 | 220 |
| | P25IC006 | 120S | 120,000 FT-LBS, MAXIMUM STROKE 12' 5" | | | $223,699 | 90.89 | 20.31 | 29.83 | 5.39 | 0.00 | 274 |
| | | | **MKT MANUFACTURING, INC.** | | | | | | | | | |
| | P25MK002 | DA-35C | 23,800 FT-LBS, MAXIMUM STROKE 10' 6", DIESEL | | | $68,247 | 28.03 | 6.19 | 9.10 | 1.64 | 0.00 | 113 |
| | P25MK001 | DE-33/30/20C | 33,000 FT-LBS, MAXIMUM STROKE 10' 6", | | | $62,619 | 25.93 | 5.69 | 8.35 | 1.51 | 0.00 | 78 |
| | P25MK003 | DE-70/50C | 70,000 FT-LBS,MAXIMUM STROKE 10' 9", 7000# RAM, DIESEL | | | $97,139 | 40.49 | 8.82 | 12.95 | 2.34 | 0.00 | 150 |
| | | | **VULCAN IRON WORKS, INC.** | | | | | | | | | |
| | P25VU002 | 306 | 18,000 FT-LBS (ADD COMPR, LEADS & CRANE) | 750 CFM A | | $66,824 | 27.50 | 6.07 | 8.91 | 1.61 | 0.00 | 121 |
| | P25VU003 | 505 | 25,000 FT-LBS (ADD COMPR, LEADS & CRANE) | 600 CFM A | | $66,365 | 27.33 | 6.03 | 8.85 | 1.60 | 0.00 | 127 |
| | P25VU004 | 506 | 32,500 FT-LBS (ADD COMPR, LEADS & CRANE) | 900 CFM A | | $67,933 | 27.92 | 6.17 | 9.06 | 1.64 | 0.00 | 140 |
| | P25VU005 | 508 | 40,000 FT-LBS (ADD COMPR, LEADS & CRANE) | 900 CFM A | | $91,463 | 36.72 | 8.30 | 12.20 | 2.20 | 0.00 | 202 |
| | P25VU010 | 510 | 50,000 FT-LBS (ADD COMPR, LEADS & CRANE) | 1,050 CFM A | | $94,154 | 36.17 | 8.55 | 12.55 | 2.27 | 0.00 | 222 |
| | P25VU011 | 512 | 60,000 FT-LBS (ADD COMPR, LEADS & CRANE) | 1,200 CFM A | | $95,390 | 36.86 | 8.66 | 12.72 | 2.30 | 0.00 | 242 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **P30** | **PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY** | | | | | | | | | |
| | | | **MKT MANUFACTURING, INC.** | | | | | | | | | |
| | P30MK001 | V-5C | MAXIMUM DRIVING FORCE 53 TON | 175 HP D-off | | $93,771 | 46.87 | 8.51 | 12.50 | 2.26 | 8.32 | 118 |
| | P30MK002 | V-17 | MAXIMUM DRIVING FORCE 90 TON | 325 HP D-off | | $156,418 | 80.40 | 14.20 | 20.86 | 3.77 | 15.44 | 211 |
| | P30MK003 | V-20B | MAXIMUM DRIVING FORCE 107 TON | 325 HP D-off | | $160,497 | 81.92 | 14.57 | 21.40 | 3.87 | 15.44 | 211 |
| | P30MK004 | V-30 | MAXIMUM DRIVING FORCE 180 TON | 600 HP D-off | | $253,616 | 135.28 | 23.02 | 33.82 | 6.11 | 28.51 | 345 |
| | | | **VULCAN IRON WORKS, INC.** | | | | | | | | | |
| | P30VU001 | 400A | 17 TON, DRIVER/EXTRAXTOR | 58 HP D-off | | $54,785 | 24.40 | 4.97 | 7.30 | 1.32 | 2.76 | 50 |
| | P30VU002 | 1150A | 42 TON, DRIVER/EXTRACTOR | 155 HP D-off | | $118,014 | 54.59 | 10.71 | 15.74 | 2.84 | 7.37 | 138 |
| | P30VU003 | 2300A | 84 TON, DRIVER/EXTRACTOR | 360 HP D-off | | $175,732 | 89.99 | 15.95 | 23.43 | 4.23 | 17.11 | 166 |
| | P30VU004 | 4600A | 167 TON, DRIVER/EXTRACTOR | 560 HP D-off | | $250,352 | 131.36 | 22.72 | 33.38 | 6.03 | 26.61 | 246 |
| **P35** | **PIPELAYERS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **PIPELAYERS** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | P35CA007 | 572-H | PIPELAYER,18 FT BOOM, 40,000LB CAPACITY | 110 HP D-off | | $189,316 | 32.15 | 8.47 | 8.65 | 4.14 | 2.85 | 358 |
| | P35CA008 | 572-R | PIPELAYER,20 FT BOOM, 90,000LB CAPACITY | 230 HP D-off | | $348,341 | 60.23 | 15.57 | 15.92 | 7.61 | 5.96 | 663 |
| | P35CA009 | 583-R | PIPELAYER,20 FT BOOM, 140,000LB CAPACITY | 305 HP D-off | | $445,796 | 77.52 | 19.93 | 20.38 | 9.74 | 7.91 | 984 |
| | P35CA006 | 589 | PIPELAYER,28 FT BOOM, 230,000LB CAPACITY | 420 HP D-off | | $586,402 | 102.70 | 26.22 | 26.81 | 12.81 | 10.89 | 1,450 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **P40** | **PLATFORMS & MAN-LIFTS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **PLATFORMS & MAN-LIFTS** | | | | | | | | | |
| | | | **GROVE WORLDWIDE (Includes GROVE & MANLIFT)** | | | | | | | | | |
| | P40GV016 | A62J | ARTIC BOOM MAN-LIFT, 68'H, 64'R,500#,4X4 | 60 HP D-off | | $112,787 | 32.80 | 8.76 | 12.60 | 2.46 | 2.25 | 268 |
| | P40GV017 | A80J | ARTIC BOOM MAN-LIFT, 86'H, 64'R,500#,4X4 | 110 HP D-off | | $179,444 | 53.62 | 13.80 | 19.78 | 3.91 | 4.12 | 428 |
| | P40GV018 | A100J | ARTIC BOOM MAN-LIFT,106'H, 54'R,500#,4X4 | 110 HP D-off | | $215,464 | 63.71 | 16.54 | 23.67 | 4.70 | 4.12 | 458 |
| | P40GV019 | A125J | ARTIC BOOM MAN-LIFT,131'H, 69'R,600#,4X4 | 110 HP D-off | | $265,950 | 77.00 | 20.48 | 29.35 | 5.80 | 4.12 | 479 |
| | P40GV020 | A33NEJ | ARTIC BOOM MAN-LIFT, 39'H, 21'R,500#,4X2 | 4 HP E | 7 HP E | $51,133 | 15.80 | 3.72 | 5.19 | 1.12 | 0.77 | 145 |
| | P40GV021 | A45EJ | ARTIC BOOM MAN-LIFT, 51'H, 25'R,500#,4X2 | 5 HP E | 7 HP E | $54,782 | 16.87 | 3.99 | 5.60 | 1.19 | 0.84 | 143 |
| | P40GV022 | T40 | STRAIGHT BOOM MAN-LIFT, 40'HT, 34'R,500# | 60 HP D-off | | $80,416 | 24.26 | 6.24 | 8.98 | 1.75 | 2.25 | 137 |
| | P40GV023 | T66J | STRAIGHT BOOM MAN-LIFT, 66'HT, 55'R,500# | 60 HP D-off | | $117,082 | 34.01 | 9.01 | 12.91 | 2.55 | 2.25 | 267 |
| | P40GV024 | T80 | STRAIGHT BOOM MAN-LIFT, 86'HT, 70'R,600# | 85 HP D-off | | $152,881 | 44.62 | 11.90 | 17.14 | 3.33 | 3.18 | 340 |
| | P40GV025 | T86J | STRAIGHT BOOM MAN-LIFT, 92'HT, 76'R,500# | 85 HP D-off | | $160,514 | 46.62 | 12.50 | 17.99 | 3.50 | 3.18 | 371 |
| | P40GV026 | T110 | STRAIGHT BOOM MAN-LIFT,116'HT, 74'R,500# | 110 HP D-off | | $219,844 | 63.63 | 17.04 | 24.47 | 4.80 | 4.12 | 397 |
| | | | **TEREX CORPORATION** | | | | | | | | | |
| | P40TE001 | TS25RT | SCISSOR,MAN-LIFT,25'HT,1500#,64X124",4X4 | 24 HP G | | $31,778 | 11.63 | 2.44 | 3.49 | 0.69 | 2.28 | 58 |
| | P40TE002 | TS30RT | SCISSOR,MAN-LIFT,30'HT,2000#,76X160",4X4 | 39 HP G | | $40,268 | 15.91 | 3.11 | 4.45 | 0.88 | 3.71 | 89 |
| | P40TE003 | TA50RT | ARTIC BOOM MAN-LIFT, 55'H, 29'R,500#,4X4 | 32 HP D-off | | $70,299 | 20.22 | 5.40 | 7.73 | 1.53 | 1.20 | 143 |
| | P40TE004 | TA60RT | ARTIC BOOM MAN-LIFT, 66'H, 33'R,500#,4X4 | 44 HP D-off | | $83,771 | 24.47 | 6.38 | 9.09 | 1.83 | 1.65 | 241 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *P40* | | | *TEREX CORPORATION (continued)* | | | | | | | | | |
| | P40TE005 | TB42 | STRAIGHT BOOM MAN-LIFT, 43'HT, 37'R,650# | 66 HP D-off | | $54,376 | 17.77 | 4.16 | 5.94 | 1.19 | 2.47 | 131 |
| | P40TE006 | TB60 | STRAIGHT BOOM MAN-LIFT, 66'HT, 51'R,650# | 66 HP D-off | | $86,518 | 26.29 | 6.60 | 9.42 | 1.89 | 2.47 | 230 |
| | P40TE007 | TB85 | STRAIGHT BOOM MAN-LIFT, 86'HT, 70'R,600# | 66 HP D-off | | $139,158 | 40.16 | 10.72 | 15.35 | 3.04 | 2.47 | 370 |
| | P40TE008 | TB100 | STRAIGHT BOOM MAN-LIFT, 92'HT, 67'R,500# | 76 HP D-off | | $159,165 | 45.94 | 12.27 | 17.60 | 3.47 | 2.85 | 393 |
| | P40TE009 | TB110 | STRAIGHT BOOM MAN-LIFT,116'HT, 74'R,500# | 76 HP D-off | | $173,444 | 49.69 | 13.38 | 19.20 | 3.78 | 2.85 | 420 |
| | P40TE010 | T-292 | LINE TRUCK W/ AERIAL 24" X 30" PLATFORM 300# CAP, WORKING HEIGHT 34', REACH 23' | 210 HP D-off | | $60,601 | 26.71 | 4.67 | 6.70 | 1.32 | 7.86 | 115 |
| | P40TE011 | T-38P | LINE TRUCK W/ AERIAL 24" X 30" PLATFORM 300# CAP, WORKING HEIGHT 43', REACH 26' | 210 HP D-off | | $66,778 | 28.36 | 5.12 | 7.31 | 1.46 | 7.86 | 128 |
| | P40TE012 | Digger DerrickC-4 | LINE TRUCK, 13.75TON, 45'HYD-BOOM CRANE TILT POLE CLAWS, & 18" DIA AUGER | 210 HP D-off | | $100,522 | 37.25 | 7.75 | 11.11 | 2.19 | 7.86 | 268 |
| | P40TE013 | 5FC-52 | LINE TRUCK W/ AERIAL 24" X 48" PLATFORM 700# CAP, WORKING HEIGHT 57', REACH 35' | 210 HP D-off | | $91,869 | 34.96 | 7.07 | 10.13 | 2.00 | 7.86 | 215 |
| | P40TE014 | 5FC-55 | LINE TRUCK W/ AERIAL 24" X 30" PLATFORM 500# CAP, WORKING HEIGHT 60', REACH 38' | 210 HP D-off | | $93,773 | 35.48 | 7.23 | 10.35 | 2.05 | 7.86 | 248 |
| | P40TE015 | 6H-65 | LINE TRUCK W/ AERIAL 24" X 48" PLATFORM 750# CAP, WORKING HEIGHT 70', REACH 39' | 210 HP D-off | | $106,198 | 38.74 | 8.19 | 11.74 | 2.32 | 7.86 | 255 |
| **P45** | **PUMPS, GROUT** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **PUMPS, GROUT** | | | | | | | | | |
| | | | **AIRPLACO** | | | | | | | | | |
| | P45AF002 | HG-5 | GROUT PUMP, MANUAL OPERATED PUMP 0-100 PSI, 12 CF/HR | | | $780 | 0.23 | 0.06 | 0.08 | 0.02 | 0.00 | 1 |
| | P45AF003 | HG-8 | GROUT PUMP W/5GAL HOPPER,MANUAL OPERATED PUMP, 0-100 PSI, 15 CF/HR | | | $1,213 | 0.36 | 0.10 | 0.13 | 0.03 | 0.00 | 1 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***P45*** | | | ***AIRPLACO (continued)*** | | | | | | | | | | |
| | P45AF007 | P-280 HD | PRESSURE GROUT/28 CY/HR CONCRETE PUMPING 18CY/HR SHOTCRETER, 6CY HOPPER,TRAILER MOUNTED (ADD 2"->3" DIA HOSE SIZE) | 30 HP | D-off | | $23,695 | 9.77 | 1.78 | 2.49 | 0.53 | 2.12 | 25 |
| | P45AF008 | HGA-50/GM-30 | GROUT PUMP W/30 GAL MIXER & 5 GAL HOPPER 0-250 PSI, 50 CF/HR, SKID MOUNTED ADD 50 CFM AIR COMPRESSSOR & HOSES | | | | $6,555 | 1.92 | 0.50 | 0.70 | 0.15 | 0.00 | 5 |
| | P45AF005 | HJ-15 SG | HIGH PRESSURE GROUT PUMP / MUD JACKING / SHOTCRETE, SINGLE CYLINDER PUMP,W/GROUT 30GAL MIXER & 30GAL HOPPER, 0-400PSI, 110 CF/HR, 2" HOSE & TRAILER MOUNTED ADD 200 CFM AIR COMPRESSSOR & HOSES | 11 HP | G | | $11,173 | 6.06 | 0.83 | 1.16 | 0.25 | 1.99 | 7 |
| | P45AF009 | MP-2J6/GM-70DA | GROUT PUMP W/ 2- 70 GAL MIXERS &15 GAL HOPPER,1- 225 PSI,160 CF/HR,SKID MOUNTED ADD 350 CFM AIR COMPRESSSOR & HOSES | | | | $21,234 | 6.19 | 1.61 | 2.26 | 0.48 | 0.00 | 5 |
| | P45AF006 | HJ-15 DG | HIGH PRESSURE GROUT PUMP / MUD JACKING / SHOTCRETE, DUAL CYLINDER PUMP, W/GROUT 30 GAL MIXER & 30GAL HOPPER, 0-300PSI, 180 CF/HR, 2" HOSE & TRAILER MOUNTED ADD 200 CFM AIR COMPRESSSOR & HOSES | 11 HP | G | | $12,692 | 6.51 | 0.95 | 1.32 | 0.29 | 1.99 | 7 |
| | P45AF010 | HJ-25 | HIGH PRESSURE GROUT PUMP / MUD JACKING / SHOTCRETE, PLASTER MACHINE,DUAL CYLINDER WITH GROUT 45 GAL MIXER & 100GAL HOPPER 0-400PSI,180CF/HR,2"HOSE TRAILER MOUNTED | 18 HP | G | | $22,751 | 11.23 | 1.71 | 2.39 | 0.51 | 3.25 | 20 |
| | P45AF011 | HJ-36 CRG | HIGH PRESSURE GROUT PUMP / MUD JACKING / SHOTCRETE MACHINE, DUAL CYLINDER PUMP WITH GROUT 90 GAL MIXER & 120GAL HOPPER 0-250PSI,250CF/HR,2"HOSE,TRAILER MOUNTED | 35 HP | G | | $44,787 | 22.00 | 3.38 | 4.73 | 1.01 | 6.32 | 49 |
| | | | **ALLENTOWN PUMP & GUN** | | | | | | | | | | |
| | P45AL015 | POWER CRETER | HIGH PRESSURE GROUT PUMP / MUD JACKING / SHOTCRETE MACHINE, DUAL CYLINDER PUMP WITH GROUT 82 GAL MIXER & 75GAL HOPPER 0-1330PSI,3"HOSE,TRAILER MOUNTED | 23 HP | G | | $39,530 | 17.39 | 2.98 | 4.18 | 0.89 | 4.15 | 32 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **CHEMGROUT INC.** | | | | | | | | | |
| | P45CG001 | CG-050 | GROUT PUMP, PORTABLE, 5 GPM, 100 PSI (ADD AIR COMPRESSOR) | 15 CFM A | | $2,969 | 0.92 | 0.23 | 0.32 | 0.07 | 0.00 | 1 |
| | P45CG002 | CG-550P | GROUT PLANT/MIXER, 5 GPM, 100 PSI (ADD AIR COMPRESSOR) | 85 CFM A | | $5,344 | 1.66 | 0.41 | 0.57 | 0.12 | 0.00 | 3 |
| | P45CG003 | CG-500 | GROUT PLANT, 1-20 GPM, 100 PSI (ADD AIR COMPRESSOR) | 230 CFM A | | $14,566 | 4.40 | 1.11 | 1.55 | 0.33 | 0.00 | 11 |
| | P45CG007 | CG-570H | THICK MIX PUMP/SPRAYER SYS, 8 GPM, SKID MOUNTED (INCLS AIR COMPR) | 16 HP G | | $15,593 | 8.64 | 1.18 | 1.66 | 0.35 | 2.89 | 10 |
| | P45CG006 | CG-575 | THICK MIX PUMP/SPRAYER SYS, 8 GPM, TRAILER MOUNTED (INCLS AIR COMPR) | 16 HP G | | $16,471 | 8.89 | 1.24 | 1.73 | 0.37 | 2.89 | 15 |
| **P50** | **PUMPS, WATER, CENTRIFUGAL, TRASH** | | | | | | | | | | | |
| | **SUBCATEGORY 0.11** | | **ENGINE DRIVE** | | | | | | | | | |
| | | | **HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY** | | | | | | | | | |
| | P50HO001 | 121TP2 | 2" DIA - 10,400 GPH AT 25' HEAD, TRASH | 5 HP G | | $1,119 | 1.52 | 0.09 | 0.11 | 0.03 | 0.86 | 1 |
| | P50HO003 | 120TP3 | 3" DIA - 19,680 GPH AT 25' HEAD, TRASH | 8 HP G | | $1,522 | 2.35 | 0.12 | 0.15 | 0.04 | 1.37 | 2 |
| | P50HO005 | VTP4 | 4" DIA - 39,720 GPH AT 25' HEAD, TRASH | 16 HP G | | $3,182 | 4.74 | 0.23 | 0.32 | 0.07 | 2.74 | 4 |
| | | | **WACKER CORPORATION** | | | | | | | | | |
| | P50WC001 | PT 2A | 2" DIA - 205 GPM AT 100' HEAD, TRASH | 10 HP G | | $1,433 | 2.80 | 0.10 | 0.14 | 0.03 | 1.71 | 1 |
| | P50WC002 | PT 3A | 3" DIA - 425 GPM AT 95' HEAD, TRASH | 15 HP D-off | | $1,685 | 1.94 | 0.13 | 0.17 | 0.04 | 0.99 | 2 |
| | P50WC005 | PTS 4V | 4" DIA - 625 GPM AT 87' HEAD, TRASH | 12 HP D-off | | $3,826 | 2.21 | 0.28 | 0.38 | 0.09 | 0.79 | 6 |
| | P50WC003 | PTS 4V | 4" DIA - 705 GPM AT 106' HEAD, TRASH | 16 HP D-off | | $3,637 | 2.56 | 0.26 | 0.36 | 0.08 | 1.06 | 3 |
| | P50WC004 | PT 6LT | 6" DIA - 1,300 GPM AT 100' HEAD, TRASH TRAILER MOUNTED | 33 HP D-off | | $16,417 | 7.70 | 1.20 | 1.64 | 0.38 | 2.19 | 25 |
| | **SUBCATEGORY 0.31** | | **HOSES, PUMP, SUCTION & DISCHARGE** | | | | | | | | | |
| | | | **GORMAN-RUPP COMPANY** | | | | | | | | | |
| | P50GR001 | | 2" DIA X 20' SUCTION/DISCHARGE HOSE, WITH COUPLING (PER SECTION) | | | $303 | 0.23 | 0.05 | 0.07 | 0.01 | 0.00 | 1 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *P50* | | | *GORMAN-RUPP COMPANY (continued)* | | | | | | | | | |
| | P50GR002 | | 3" DIA X 20' SUCTION/DISCHARGE HOSE, WITH COUPLING (PER SECTION) | | | $450 | 0.33 | 0.06 | 0.10 | 0.01 | 0.00 | 1 |
| | P50GR003 | | 4" DIA X 20' SUCTION/DISCHARGE HOSE, WITH COUPLING (PER SECTION) | | | $602 | 0.44 | 0.08 | 0.14 | 0.01 | 0.00 | 1 |
| | P50GR004 | | 6" DIA X 20' SUCTION/DISCHARGE HOSE, WITH COUPLING (PER SECTION) | | | $1,346 | 0.99 | 0.18 | 0.30 | 0.03 | 0.00 | 1 |
| **P55** | **PUMPS, WATER, SUBMERSIBLE** | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **ENGINE DRIVE** | | | | | | | | | |
| | | | **GRIFFIN DEWATERING** | | | | | | | | | |
| | P55GF001 | 4MH | 4" DIA JET PUMP, SKID MOUNTED (INCLUDES POWER UNIT) MDL 250 | 22 HP D-off | | $16,374 | 6.86 | 1.20 | 1.64 | 0.38 | 1.46 | 11 |
| | P55GF002 | 6M | 6" DIA JET PUMP, SKID MOUNTED (INCLUDES POWER UNIT) MDL 400 | 22 HP D-off | | $20,737 | 8.10 | 1.52 | 2.07 | 0.48 | 1.46 | 12 |
| | **SUBCATEGORY 0.02** | | **ELECTRIC DRIVE** | | | | | | | | | |
| | | | **GORMAN-RUPP COMPANY** | | | | | | | | | |
| | P55GR001 | S2A1 | 2" DIA - 138 GPM AT 20' HEAD | 2 HP E | | $2,694 | 1.01 | 0.21 | 0.29 | 0.06 | 0.25 | 2 |
| | P55GR002 | S3A1 | 3" DIA - 278 GPM AT 20' HEAD | 5 HP E | | $3,518 | 1.79 | 0.27 | 0.37 | 0.08 | 0.63 | 3 |
| | P55GR003 | S4A1 | 4" DIA - 860 GPM AT 40' HEAD | 25 HP E | | $13,283 | 8.01 | 1.01 | 1.41 | 0.30 | 3.15 | 12 |
| | P55GR004 | S6A1 | 6" DIA - 1,950 GPM AT 40' HEAD | 60 HP E | | $16,332 | 15.70 | 1.24 | 1.74 | 0.37 | 7.56 | 14 |
| | | | **WACKER CORPORATION** | | | | | | | | | |
| | P55WC001 | STP 400 | 2" DIA - 66 GPM AT 39' HEAD | 1 HP E | | $491 | 0.32 | 0.04 | 0.05 | 0.01 | 0.13 | 1 |
| | P55WC002 | STP 750 | 2" DIA - 100 GPM AT 52' HEAD | 1 HP E | | $866 | 0.40 | 0.07 | 0.09 | 0.02 | 0.13 | 1 |
| **P60** | **PUMPS, WATER, CENTRIFUGAL, DEWATERING** | | | | | | | | | | | |
| | **SUBCATEGORY 0.11** | | **SKID MOUNTED, ENGINE DRIVE** | | | | | | | | | |
| | | | **HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY** | | | | | | | | | |
| | P60HO002 | 111S2 | 2" DIA - 9,000 GPH AT 22' HEAD | 4 HP G | | $815 | 1.07 | 0.06 | 0.08 | 0.02 | 0.60 | 1 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***P60*** | | | ***HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY (continued)*** | | | | | | | | | | |
| | P60HO003 | 120S3 | 3" DIA - 17,600 GPH AT 20' HEAD | 8 HP | G | | $1,325 | 2.29 | 0.10 | 0.13 | 0.03 | 1.37 | 1 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | P60WC001 | PG 2 | 2" DIA. - 159 GPM AT 98' HEAD | 4 HP | G | | $573 | 1.11 | 0.04 | 0.06 | 0.01 | 0.68 | 1 |
| | P60WC002 | PG 3 | 3" DIA - 264 GPM AT 98' HEAD | 6 HP | G | | $688 | 1.65 | 0.06 | 0.07 | 0.02 | 1.03 | 1 |
| | **SUBCATEGORY 0.21** | | **WHEEL MOUNTED, ENGINE DRIVE** | | | | | | | | | | |
| | | | **GRIFFIN DEWATERING** | | | | | | | | | | |
| | P60GF003 | 250/4"M | 4" DIA - 485 GPM AT 60' HEAD, POWER UNIT, | 32 HP | D-off | | $17,216 | 7.80 | 1.25 | 1.70 | 0.40 | 2.12 | 19 |
| | P60GF008 | 250/6"T | 6" DIA - 1040 GPM AT 60' HEAD, POWER UNIT, | 32 HP | D-off | | $17,481 | 7.88 | 1.28 | 1.73 | 0.41 | 2.12 | 19 |
| | P60GF004 | 400/8"T | 8" DIA - 1770 GPM AT 60' HEAD, POWER UNIT | 61 HP | D-off | | $22,078 | 11.98 | 1.61 | 2.19 | 0.51 | 4.04 | 31 |
| | P60GF005 | 600/10"T | 10" DIA - 3410 GPM AT 60' HEAD, POWER UNIT | 83 HP | D-off | | $26,848 | 15.44 | 1.95 | 2.66 | 0.62 | 5.50 | 34 |
| | P60GF006 | 800/12"T | 12" DIA - 4410 GPM AT 60' HEAD, POWER UNIT | 110 HP | D-off | | $31,043 | 19.24 | 2.25 | 3.06 | 0.72 | 7.29 | 40 |
| | | | **GORMAN-RUPP COMPANY** | | | | | | | | | | |
| | P60GR001 | 14C2-F3L | 4" DIA - 600 GPM AT 80' HEAD (TRAILER MOUNTED) | 47 HP | D-off | | $20,138 | 10.08 | 1.47 | 1.99 | 0.47 | 3.11 | 20 |
| | P60GR002 | 86A2 | 6" DIA -1825 GPM AT 40' HEAD (TRAILER MOUNTED) | 101 HP | G | | $21,557 | 30.28 | 1.57 | 2.13 | 0.50 | 17.27 | 20 |
| **P65** | **PUMPS, WATER, DIAPHRAGM** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.11** | | **SKID MOUNTED, ENGINE DRIVE** | | | | | | | | | | |
| | | | **HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY** | | | | | | | | | | |
| | P65HO001 | 111DP2-1 | 2" DIA - 2,000 GPH AT 25' HEAD | 4 HP | G | | $1,246 | 1.18 | 0.09 | 0.12 | 0.03 | 0.60 | 1 |
| | P65HO002 | 111DP3-1 | 3" DIA - 4,800 GPH AT 25' HEAD | 4 HP | G | | $1,365 | 1.22 | 0.10 | 0.14 | 0.03 | 0.60 | 2 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.21** | | **WHEEL MOUNTED, ENGINE DRIVE** | | | | | | | | | | |
| | | | **GORMAN-RUPP COMPANY** | | | | | | | | | | |
| | P65GR001 | 3D-13 | 2" DIA SUCTION X 3" DISCHARGE 3,360 GPH AT 25' HEAD, TRAILER MOUNTED | 5 HP | G | | $2,279 | 1.80 | 0.16 | 0.21 | 0.05 | 0.86 | 2 |
| | P65GR002 | 3D-B | 3" DIA - 3,360 GPH AT 25' HEAD | 2 HP | G | | $2,930 | 1.12 | 0.21 | 0.28 | 0.07 | 0.26 | 2 |
| | P65GR003 | 4D-B | 4" DIA - 4,440 GPH AT 25' HEAD | 3 HP | G | | $6,990 | 2.49 | 0.50 | 0.68 | 0.16 | 0.51 | 3 |
| | | | **WACKER CORPORATION** | | | | | | | | | | |
| | P65WC001 | PDT 2A | 2" DIA - 50 GPM AT 25' HEAD | 4 HP | G | | $1,692 | 1.39 | 0.13 | 0.17 | 0.04 | 0.68 | 1 |
| | P65WC002 | PDT 3A | 3" DIA - 88 GPM AT 25' HEAD | 4 HP | G | | $1,790 | 1.41 | 0.13 | 0.18 | 0.04 | 0.68 | 2 |
| **P70** | **PUMPS, WATER (FOR CORE DRILLS)** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **ENGINE DRIVE** | | | | | | | | | | |
| | | | **ACKER DIVISION, CHRISTENSEN-BOYLES** | | | | | | | | | | |
| | P70AD001 | APS 11-5 | 0.75" DIA - 6 GPM, UP TO 100 PSI | 2 HP | G | | $1,406 | 0.82 | 0.10 | 0.13 | 0.03 | 0.34 | 2 |
| **R10** | **RIPPERS & HYDRAULIC BANK SLOPERS(no point wear included)** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **RIPPERS & HYDRAULIC BANK SLOPERS(no point wear included)** | | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | | |
| | R10CA001 | D-3 | RIPPER -SCAFIFIER, WITH 5 EACH SHANKS SYSTEM, INCLUDES HYDRAULIC CONTROLS | | | | $5,554 | 1.60 | 0.41 | 0.56 | 0.13 | 0.00 | 8 |
| | R10CA005 | D-5C SERIES III | RIPPER -SCAFIFIER, WITH 5 EACH SHANKS & HYD CONTROLS | | | | $5,554 | 1.60 | 0.41 | 0.56 | 0.13 | 0.00 | 8 |
| | R10CA003 | D-4C SERIES III | RIPPER -SCAFIFIER, WITH 5 EACH SHANKS & HYD CONTROLS | | | | $5,554 | 1.60 | 0.41 | 0.56 | 0.13 | 0.00 | 8 |
| | R10CA007 | D-6R | RIPPER, MULTI SHANK, WITH 3 EACH SHANKS | | | | $15,921 | 4.41 | 1.17 | 1.59 | 0.37 | 0.00 | 16 |
| | R10CA009 | D-7R | RIPPER, MULTI SHANK, WITH 3 EACH SHANKS | | | | $26,847 | 7.37 | 1.96 | 2.68 | 0.62 | 0.00 | 44 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *R10* | | | *CATERPILLAR, INC. (continued)* | | | | | | | | | |
| | R10CA011 | D-8R | RIPPER, SINGLE-SHANK WITH 1 EACH SHANK | | | $29,531 | 8.13 | 2.17 | 2.95 | 0.69 | 0.00 | 38 |
| | R10CA012 | D-8R | RIPPER, MULTI SHANK, WITH 3 EACH SHANKS | | | $37,110 | 10.19 | 2.72 | 3.71 | 0.86 | 0.00 | 46 |
| | R10CA014 | D-9R | RIPPER, SINGLE-SHANK WITH 1 EACH SHANK | | | $37,709 | 10.42 | 2.77 | 3.77 | 0.88 | 0.00 | 7 |
| | R10CA015 | D-9R | RIPPER, MULTI SHANK, WITH 3 EACH SHANKS | | | $45,546 | 12.54 | 3.34 | 4.55 | 1.06 | 0.00 | 33 |
| | R10CA017 | D-10R | RIPPER, SINGLE-SHANK WITH 1 EACH SHANK | | | $65,459 | 18.02 | 4.80 | 6.55 | 1.52 | 0.00 | 63 |
| | R10CA018 | D-10R | RIPPER, MULTI SHANK, WITH 3 EACH SHANKS | | | $80,962 | 22.24 | 5.93 | 8.10 | 1.88 | 0.00 | 85 |
| | R10CA020 | D-11R | RIPPER, SINGLE-SHANK WITH 1 EACH SHANK | | | $70,089 | 19.30 | 5.14 | 7.01 | 1.63 | 0.00 | 72 |
| | R10CA021 | D-11R | RIPPER, MULTI SHANK, WITH 3 EACH SHANKS | | | $83,936 | 23.08 | 6.15 | 8.39 | 1.95 | 0.00 | 103 |
| **R15** | **ROLLERS, STATIC, TOWED, PNEUMATIC** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ROLLERS, STATIC, TOWED, PNEUMATIC** | | | | | | | | | |
| | | | **SOUTHWEST ENGINEERING** | | | | | | | | | |
| | R15SO001 | C-50 | 60 TON, 9.8" WIDE, 4 TIRES, STATIC | | | $116,067 | 22.23 | 6.68 | 8.07 | 2.64 | 0.00 | 309 |
| | R15SO002 | C-75 | 75 TON, 10.5" WIDE, 4 TIRES, STATIC | | | $128,042 | 24.28 | 7.04 | 8.26 | 2.91 | 0.00 | 347 |
| | R15SO003 | C-100XL | 100 TON, 10.5" WIDE, 4 TIRES, STATIC | | | $180,872 | 34.65 | 10.35 | 12.48 | 4.11 | 0.00 | 551 |
| **R20** | **ROLLERS, STATIC, TOWED, STEEL DRUM** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ROLLERS, STATIC, TOWED, STEEL DRUM** | | | | | | | | | |
| | | | **SOUTHWEST ENGINEERING** | | | | | | | | | |
| | R20SO001 | 2DH-RR | 60" X 60" TANDEM, TOWED, SHEEPSFOOT | | | $64,679 | 13.26 | 4.06 | 5.17 | 1.47 | 0.00 | 200 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **R30** | **ROLLERS, STATIC, SELF-PROPELLED** | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **PNEUMATIC** | | | | | | | | | |
| | | | **BOMAG DIVISION, COMPACTION AMERICA** | | | | | | | | | |
| | R30BO004 | BW11R | 13.5 TON, 68.0" WIDE, PNEUMATIC 9 TIRES, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER | 80 HP D-off | | $72,503 | 23.91 | 5.24 | 7.21 | 1.63 | 4.72 | 90 |
| | R30BO003 | BW20R | 30.0 TON, 78.2" WIDE, PNEUMATIC 8 TIRES, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER | 101 HP D-off | | $112,037 | 35.00 | 8.25 | 11.46 | 2.52 | 5.96 | 254 |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | R30CA010 | PS-150B | 14.25 TON, 68" WIDE, PNEUMATIC 9 TIRE, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER | 70 HP D-off | | $67,083 | 21.72 | 4.98 | 6.94 | 1.51 | 4.13 | 85 |
| | R30CA011 | PS-200B | 20.00 TON, 68" WIDE, PNEUMATIC 9 TIRE, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER | 105 HP D-off | | $81,437 | 27.88 | 6.08 | 8.48 | 1.84 | 6.20 | 87 |
| | R30CA014 | PS-360B | 27.55 TON, 90" WIDE, PNEUMATIC 7 TIRE, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER | 105 HP D-off | | $132,846 | 40.53 | 9.79 | 13.60 | 2.99 | 6.20 | 187 |
| | | | **ROSCO MANUFACTURING COMPANY** | | | | | | | | | |
| | R30RS003 | TRU-PAC 915 | 6-15 TON, 9 TIRES, 68" WIDE, HYDROSTATIC | 75 HP D-off | | $66,312 | 21.84 | 4.93 | 6.87 | 1.49 | 4.43 | 110 |
| | | | **SAKAI AMERICA, INC.** | | | | | | | | | |
| | R30SI002 | TS200 | 16 TON, 81" WIDE, PNEUMATIC 9 TIRES, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER | 91 HP D-off | | $91,052 | 29.05 | 6.79 | 9.48 | 2.05 | 5.37 | 187 |
| | R30SI003 | TS600C | 16 TON, 81" WIDE, PNEUMATIC 9 TIRES, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER | 95 HP D-off | | $112,641 | 34.57 | 8.43 | 11.77 | 2.54 | 5.61 | 187 |
| | R30SI004 | TS650C | 27 TON, 82" WIDE, PNEUMATIC 7 TIRES, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER | 108 HP D-off | | $149,481 | 44.56 | 11.13 | 15.52 | 3.37 | 6.38 | 281 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.02** | | **SMOOTH DRUM** | | | | | | | | | | |
| | | | **BOMAG DIVISION, COMPACTION AMERICA** | | | | | | | | | | |
| | R30BO005 | BW5AS | 6.0 TON, 40.4"WIDE,2 SMOOTH STEEL WHEEL HYDROSTATIC, ASPHALT COMPACTOR /ROLLER | 50 HP | D-off | | $62,922 | 17.04 | 4.06 | 5.35 | 1.38 | 2.95 | 94 |
| | R30BO006 | BW9AS | 10.0 TON, 50" WIDE,2 SMOOTH STEEL WHEEL, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER | 80 HP | D-off | | $78,076 | 22.55 | 5.04 | 6.64 | 1.72 | 4.72 | 140 |
| | R30BO007 | BW11AS | 14.0 TON, 54" WIDE,2 SMOOTH STEEL WHEEL, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER | 70 HP | D-off | | $74,611 | 21.03 | 4.81 | 6.34 | 1.64 | 4.13 | 215 |
| | | | **ROSCO MANUFACTURING COMPANY** | | | | | | | | | | |
| | R30RS001 | DLX ROLLPAC III | 1.5 TON, 34" WIDE, DOUBLE DRUM | 13 HP | G | | $9,856 | 4.67 | 0.64 | 0.84 | 0.22 | 1.98 | 14 |
| | R30RS002 | STAPAC III | 2 TON, 40" WIDE, DOUBLE DRUM | 20 HP | G | | $12,586 | 6.63 | 0.82 | 1.07 | 0.28 | 3.04 | 23 |
| | | | **SAKAI AMERICA, INC.** | | | | | | | | | | |
| | R30SI005 | R2H | 14.0 TON, 64" WIDE,3 SMOOTH STEEL WHEEL, HYDROSTATIC, ASPHALT COMPACTOR /ROLLER | 75 HP | D-off | | $111,315 | 29.12 | 7.18 | 9.46 | 2.45 | 4.43 | 207 |
| | **SUBCATEGORY 0.03** | | **TAMPING FOOT, LANDFILL & SOIL COMPACTORS** | | | | | | | | | | |
| | | | **BOMAG DIVISION, COMPACTION AMERICA** | | | | | | | | | | |
| | R30BO009 | BC671RB | 35TON, 63"DIA,4X4 TAMPING FOOT STEEL WHL WITH STRAIGHT BLADE, SOIL COMPACTOR | 338 HP | D-off | | $456,182 | 105.71 | 25.41 | 30.41 | 10.20 | 19.96 | 710 |
| | R30BO008 | BC771RB | 40TON, 63"DIA,4X4 TAMPING FOOT STEEL WHL WITH STRAIGHT BLADE, SOIL COMPACTOR | 357 HP | D-off | | $503,771 | 115.48 | 28.06 | 33.58 | 11.27 | 21.08 | 812 |
| | | | **CATERPILLAR, INC.** | | | | | | | | | | |
| | R30CA003 | 815-F | 23TON, 56"DIA,4X4 TAMPING FOOT STEEL WHL WITH STRAIGHT BLADE, SOIL COMPACTOR | 220 HP | D-off | | $296,997 | 68.81 | 16.54 | 19.80 | 6.64 | 12.99 | 456 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *R30* | | | *CATERPILLAR, INC. (continued)* | | | | | | | | | |
| | R30CA012 | 816-F | 25 TON, 63" DIA, CHOPPER STEEL WHEELS 4X4, W/SU BLADE, LANDFILL COMPACTOR | 220 HP D-off | | $309,897 | 71.06 | 17.26 | 20.66 | 6.93 | 12.99 | 503 |
| | R30CA006 | 825-G | 35TON, 51"DIA,4X4 TAMPING FOOT STEEL WHL WITH STRAIGHT BLADE, SOIL COMPACTOR | 315 HP D-off | | $447,836 | 102.48 | 24.95 | 29.86 | 10.02 | 18.60 | 691 |
| | R30CA013 | 826-G | 36.5TON,48"DIA,CHOPPER W/TIP STEEL WHEEL 4X4, W/SU BLADE, LANDFILL COMPACTOR | 315 HP D-off | | $483,720 | 108.73 | 26.95 | 32.25 | 10.82 | 18.60 | 794 |
| | R30CA009 | 836 | 50TON,55"DIA,CHOPPER W/TIP STEEL WHEELS 4X4, W/SU BLADE, LANDFILL COMPACTOR | 473 HP D-off | | $611,362 | 143.22 | 34.05 | 40.76 | 13.67 | 27.93 | 1,020 |
| **R40** | **ROLLERS, VIBRATORY, TOWED** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ROLLERS, VIBRATORY, TOWED** | | | | | | | | | |
| | | | **SOUTHWEST ENGINEERING** | | | | | | | | | |
| | R40SO001 | 566 SHEEPSFT | 25.5 TON, 72" WIDE X 56" DIA | 50 HP D-off | | $81,363 | 25.12 | 5.96 | 8.14 | 1.89 | 3.31 | 165 |
| | R40SO002 | 756 SHEEPSFT | 23.5 TON, 78" WIDE X 66" DIA | 75 HP D-off | | $118,652 | 36.84 | 8.70 | 11.87 | 2.76 | 4.97 | 169 |
| **R45** | **ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM** | | | | | | | | | |
| | | | **BOMAG DIVISION, COMPACTION AMERICA** | | | | | | | | | |
| | R45BO001 | BW120AD-3 | 47.2" WIDE X 26.6" DIA, HYDROSTATIC | 33 HP D-off | | $43,512 | 16.11 | 3.19 | 4.35 | 1.01 | 2.19 | 51 |
| | R45BO004 | BW120AD-3 | 2.9TON, 47.2"WIDE X 27.5"DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 33 HP D-off | | $45,214 | 16.62 | 3.31 | 4.52 | 1.05 | 2.19 | 55 |
| | R45BO005 | BW138AD | 4.6TON, 54.3"WIDE X 31.9"DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 46 HP D-off | | $56,813 | 21.31 | 4.16 | 5.68 | 1.32 | 3.05 | 88 |
| | R45BO006 | BW151AD-2 | 7.8TON 66.1" WIDE X 47.2"DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 74 HP D-off | | $109,821 | 39.78 | 8.04 | 10.98 | 2.55 | 4.90 | 146 |
| | R45BO007 | BW161AD-2 | 10.4TON, 66.1"WIDE X 48" DIA, 2x1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 113 HP D-off | | $133,773 | 50.63 | 9.80 | 13.38 | 3.11 | 7.49 | 196 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***R45*** | | | ***BOMAG DIVISION, COMPACTION AMERICA (continued)*** | | | | | | | | | | |
| | R45BO008 | BW202ADH-2 | 12.6TON,84.0" WIDE X 48" DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 113 HP | D-off | | $142,047 | 53.09 | 10.40 | 14.20 | 3.30 | 7.49 | 239 |
| | | | **CATERPILLAR, INC.** | | | | | | | | | | |
| | R45CA001 | CB-214C | 2.5TON,39.4" WIDE X 27.5"DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 37 HP | D-off | | $38,395 | 14.95 | 2.81 | 3.84 | 0.89 | 2.45 | 44 |
| | R45CA002 | CB-224C | 2.7TON,47.2"WIDE X 27.5" DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 37 HP | D-off | | $44,656 | 16.83 | 3.28 | 4.47 | 1.04 | 2.45 | 44 |
| | R45CA005 | CB-434C | 6.6TON, 56"WIDE X 43.5" DIA, 2X1, SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 70 HP | D-off | | $111,075 | 39.81 | 8.14 | 11.11 | 2.58 | 4.64 | 137 |
| | R45CA007 | CB-534C | 10.0 TON, 67" WIDE X 51" DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 107 HP | D-off | | $138,920 | 51.60 | 10.18 | 13.89 | 3.23 | 7.09 | 216 |
| | R45CA010 | CB-634C | 13.2 TON, 84" WIDE X 51" DIA, 2X1,SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 145 HP | D-off | | $166,208 | 63.32 | 12.17 | 16.62 | 3.86 | 9.60 | 269 |
| | | | **INGERSOLL-RAND CONSTRUCTION & MINING** | | | | | | | | | | |
| | R45IN004 | DD-65 | 7.7 TON, 55" WIDE X 41" DIA, HYSTAT | 76 HP | D-off | | $107,896 | 39.41 | 7.91 | 10.79 | 2.51 | 5.03 | 154 |
| | R45IN005 | DD-90 | 10.7 TON, 66" WIDE X 48" DIA, HYSTAT | 112 HP | D-off | | $123,606 | 47.49 | 9.05 | 12.36 | 2.87 | 7.42 | 188 |
| | | | **ROSCO MANUFACTURING COMPANY** | | | | | | | | | | |
| | R45RS001 | VIBRASTATT III | 2.0 TON, 36" WIDE, DOUBLE DRUM | 20 HP | G | | $14,413 | 9.15 | 1.05 | 1.44 | 0.33 | 3.42 | 27 |
| | | | **SAKAI AMERICA, INC.** | | | | | | | | | | |
| | R45SI007 | SW250 | 1.7 TON, 39.5" WI X 22" DIA, 2X1, SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 14 HP | D-off | | $31,376 | 10.71 | 2.30 | 3.14 | 0.73 | 0.93 | 16 |
| | R45SI008 | SW350 | 3.0 TON, 47" WIDE X 27" DIA, 2X1, SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 28 HP | D-off | | $47,070 | 16.70 | 3.45 | 4.71 | 1.09 | 1.85 | 28 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *R45* | | | *SAKAI AMERICA, INC. (continued)* | | | | | | | | | |
| | R45SI009 | SW650 | 7.8TON, 58" WIDE X 42" DIA, 2X1, SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 37 HP D-off | | $92,088 | 31.02 | 6.75 | 9.21 | 2.14 | 2.45 | 157 |
| | R45SI010 | SW850 | 14.0TON, 79" WIDE X 55" DIA, 2X1, SMOOTH DOUBLE DRUMS,VIBRATORY ASPHALT COMPACTOR | 121 HP D-off | | $125,505 | 48.90 | 9.19 | 12.55 | 2.91 | 8.02 | 124 |
| **R50** | **ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM** | | | | | | | | | |
| | | | **BOMAG DIVISION, COMPACTION AMERICA** | | | | | | | | | |
| | R50BO005 | BW124D | 2.9 TON, 47.2" WIDE X 30"DIA, 3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 38 HP D-off | | $43,586 | 14.76 | 2.98 | 3.88 | 1.04 | 1.81 | 57 |
| | R50BO006 | BW142D | 5.5TON, 56.1"WIDE X 41.7"DIA, 3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 54 HP D-off | | $73,597 | 24.08 | 5.19 | 6.86 | 1.76 | 2.57 | 106 |
| | R50BO007 | BW177D-3 | 7.9TON, 66.4"WIDE X 48.3"DIA, 3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 77 HP D-off | | $105,332 | 34.46 | 7.41 | 9.77 | 2.52 | 3.66 | 139 |
| | R50BO008 | BW213D-3 | 11.5TON, 83.9"WIDE X 88.6"DIA,3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 185 HP D-off | | $136,387 | 50.40 | 9.55 | 12.58 | 3.26 | 8.79 | 260 |
| | R50BO009 | BW219DH-3 | 20.6TON, 83.9" WIDE X 63" DIA,3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 181 HP D-off | | $204,209 | 68.96 | 14.35 | 18.94 | 4.88 | 8.60 | 407 |
| | R50BO010 | BW124PD | 2.9TON, 47.2" WIDE X 30" DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 38 HP D-off | | $48,175 | 15.95 | 3.39 | 4.47 | 1.15 | 1.81 | 58 |
| | R50BO011 | BW142PD-2 | 5.8TON, 56.1"WIDE X 41.7"DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 54 HP D-off | | $78,380 | 25.41 | 5.53 | 7.31 | 1.87 | 2.57 | 72 |
| | R50BO012 | BW177PDJ-3 | 8.3TON, 66.4"WIDE X 47.6"DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 77 HP D-off | | $118,936 | 38.24 | 8.37 | 11.05 | 2.84 | 3.66 | 146 |
| | R50BO013 | BW213PDH-3 | 14.1TON,83.9"WIDE X 58.3"DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 185 HP D-off | | $150,040 | 54.20 | 10.52 | 13.86 | 3.59 | 8.79 | 275 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | R50CA001 | CS-323C | 4.6 TON, 50" WIDE X 40" DIA, 3X2, SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 70 HP D-off | | $73,064 | 25.03 | 5.14 | 6.78 | 1.75 | 3.33 | 97 |
| | R50CA003 | CS-431C | 6.9 TON, 66" WIDE X 48" DIA, 3X2, SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 105 HP D-off | | $89,646 | 32.00 | 6.29 | 8.29 | 2.14 | 4.99 | 138 |
| | R50CA005 | CS-433C | 7.1 TON, 66" WIDE, 48" DIA, 3X2, SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 105 HP D-off | | $103,505 | 35.86 | 7.28 | 9.59 | 2.48 | 4.99 | 141 |
| | R50CA009 | CS-563D | 12.2 TON, 84" WIDE X 60"DIA, 3X2, SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 153 HP D-off | | $133,256 | 47.41 | 9.30 | 12.21 | 3.19 | 7.27 | 246 |
| | R50CA011 | CS-583C | 16.5 TON, 84" WIDE X 60"DIA, 3X2, SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 145 HP D-off | | $165,890 | 55.93 | 11.61 | 15.27 | 3.97 | 6.89 | 246 |
| | R50CA002 | CP-323C (PADS) | 4.6 TON, 50" WIDE, 40" DIA, 3X2, PADFOOT SINGLE DRUM VIBRATORY SOIL COMPACTOR | 70 HP D-off | | $84,090 | 28.08 | 5.92 | 7.81 | 2.01 | 3.33 | 104 |
| | R50CA004 | CP-433C (PADS) | 7.1 TON, 66" WIDE, 48" DIA, 3X2, PADFOOT SINGLE DRUM VIBRATORY SOIL COMPACTOR | 105 HP D-off | | $114,268 | 38.84 | 8.03 | 10.60 | 2.73 | 4.99 | 146 |
| | R50CA012 | CP-563D (PADS) | 12.5 TON, 84" WIDE, 60" DIA, 3X2,PADFOOT SINGLE DRUM VIBRATORY SOIL COMPACTOR | 153 HP D-off | | $156,653 | 53.90 | 10.95 | 14.40 | 3.75 | 7.27 | 269 |
| | | | **INGERSOLL-RAND CONSTRUCTION & MINING** | | | | | | | | | |
| | R50IN001 | SD-40D | 4.9 TON, 54" WIDE X 38" DIA., HYDSTAT | 76 HP D-off | | $75,379 | 26.08 | 5.29 | 6.98 | 1.80 | 3.61 | 96 |
| | | | **SAKAI AMERICA, INC.** | | | | | | | | | |
| | R50SI006 | SV200D | 4.6 TON, 49"WIDE X 39" DIA,3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 61 HP D-off | | $67,559 | 22.93 | 4.72 | 6.20 | 1.62 | 2.90 | 41 |
| | R50SI007 | SV200T (PADS) | 4.8 TON, 49"WIDE X 39" DIA, 3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 57 HP D-off | | $73,779 | 24.37 | 5.15 | 6.78 | 1.76 | 2.71 | 43 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***R50*** | | | ***SAKAI AMERICA, INC. (continued)*** | | | | | | | | | | |
| | R50SI022 | SV400D | 7.7 TON, 67" WIDE X 51"DIA, 3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 138 HP | D-off | | $94,837 | 35.67 | 6.66 | 8.78 | 2.27 | 6.56 | 156 |
| | R50SI023 | SV400TB (PADS) | 9.6 TON, 67" WIDE X 55" DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 82 HP | D-off | | $105,440 | 34.84 | 7.41 | 9.77 | 2.52 | 3.90 | 72 |
| | R50SI013 | SV510D-1E | 11.5 TON, 84" WIDE X 63" DIA, 3X2 SMOOTH SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 138 HP | D-off | | $114,102 | 41.06 | 7.98 | 10.49 | 2.73 | 6.56 | 507 |
| | R50SI016 | SV510T (PADS) | 11.9 TON, 60" WIDE X 63" DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 118 HP | D-off | | $118,226 | 40.86 | 8.27 | 10.88 | 2.83 | 5.61 | 110 |
| | R50SI017 | SV510TF (PADS) | 14.3 TON, 85" WIDE X 63" DIA,3X2 PADFOOT SINGLE DRUM, VIBRATORY SOIL COMPACTOR | 118 HP | D-off | | $135,171 | 45.56 | 9.47 | 12.47 | 3.23 | 5.61 | 131 |
| | R50SI024 | TW350 Combo | 1.5 TON, 39.5" WIDE X 22" DIA,3X2 SMOOTH SINGLE DRUM,VIBRATORY ASPHALT COMPACTOR | 28 HP | D-off | | $31,802 | 10.73 | 2.21 | 2.90 | 0.76 | 1.33 | 25 |
| | R50SI025 | TW500 Combo | 3.9 TON, 51" WIDE X 31" DIA, 3X2 SMOOTH SINGLE DRUM,VIBRATORY ASPHALT COMPACTOR | 30 HP | D-off | | $60,479 | 18.84 | 4.25 | 5.59 | 1.45 | 1.43 | 36 |
| | R50SI026 | TW750 Combo | 8.7 TON, 66" WIDE X 48" DIA, 3X2 SMOOTH SINGLE DRUM,VIBRATORY ASPHALT COMPACTOR | 104 HP | D-off | | $120,411 | 40.44 | 8.49 | 11.21 | 2.88 | 4.94 | 100 |
| | R50SI004 | TW750 | 8.8 TON, 66" WIDE X 48" DIA, HYDSTAT | 91 HP | D-off | | $120,426 | 39.50 | 8.49 | 11.21 | 2.88 | 4.32 | 175 |
| | R50SI027 | TW100 Combo | 11.4 TON, 85" WIDE X 51" DIA, 3X2 SMOOTH SINGLE DRUM,VIBRATORY ASPHALT COMPACTOR | 86 HP | D-off | | $178,953 | 55.49 | 12.63 | 16.70 | 4.28 | 4.09 | 221 |
| | R50SI005 | TW100 | 11.5 TON, 85" WIDE X 51" DIA, HYDSTAT | 86 HP | D-off | | $176,645 | 54.78 | 12.46 | 16.48 | 4.22 | 4.09 | 229 |
| **R55** | **ROOFING EQUIPMENT** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **ROOFING EQUIPMENT** | | | | | | | | | | |
| | | | **AEROIL PRODUCTS** | | | | | | | | | | |
| | R55AE001 | EZ LOAD 270 | ROOFING KETTLE, 270GAL,W/PUMP &COVER,LPG | 8 HP | G | | $6,588 | 6.70 | 0.60 | 0.90 | 0.15 | 0.91 | 20 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***R55*** | | | ***AEROIL PRODUCTS (continued)*** | | | | | | | | | | |
| | R55AE002 | EZ LOAD 410 | ROOFING KETTLE, 410GAL,W/PUMP &COVER,LPG | 8 HP | G | | $8,015 | 8.89 | 0.74 | 1.10 | 0.19 | 0.91 | 25 |
| | R55AE003 | EZ LOAD 680 | ROOFING KETTLE, 680GAL,W/PUMP &COVER,LPG | 8 HP | G | | $10,868 | 11.43 | 0.99 | 1.48 | 0.25 | 0.91 | 39 |
| | R55AE004 | EZ LOAD 1000 | ROOFING KETTLE,1000GAL,W/PUMP &COVER,LPG | 8 HP | G | | $14,405 | 12.99 | 1.29 | 1.90 | 0.34 | 0.91 | 54 |
| | R55AE008 | RHINO S PEELER | POWER ROOF PEELER, 16" WIDE BLADE | 8 HP | G | | $4,654 | 2.77 | 0.43 | 0.63 | 0.11 | 0.91 | 6 |
| | R55AE009 | MKI9 | ROOF CUTTER, SINGLE BLADE,3.75"CUT DEPTH | 9 HP | G | | $1,686 | 1.92 | 0.16 | 0.24 | 0.04 | 1.03 | 2 |
| | R55AE010 | MK216R | ROOF CUTTER,2BLADE-20" APART,3.75" DEPTH | 16 HP | G | | $3,091 | 3.44 | 0.29 | 0.44 | 0.07 | 1.82 | 3 |
| | | | **GARLOCK EQUIPMENT COMPANY** | | | | | | | | | | |
| | R55GL017 | | ROOF CUTTER, MINI SAW | 5 HP | G | | $1,746 | 1.34 | 0.17 | 0.25 | 0.04 | 0.57 | 2 |
| | R55GL016 | | ROOF CUTTER, DUST MASTER | 9 HP | G | | $5,580 | 3.24 | 0.53 | 0.79 | 0.13 | 1.03 | 3 |
| | R55GL011 | | ROOF CUTTER, 30", DOUBLE SAW, S/P | 16 HP | G | | $5,967 | 4.41 | 0.57 | 0.85 | 0.14 | 1.82 | 3 |
| | R55GL018 | | ROOF SCRATCHER | 5 HP | G | | $1,822 | 1.37 | 0.17 | 0.26 | 0.04 | 0.57 | 1 |
| | R55GL019 | | ROOF SCRATCHER | 8 HP | G | | $3,269 | 2.30 | 0.31 | 0.46 | 0.08 | 0.91 | 3 |
| | R55GL009 | | ROTARY PLANER, 12" PATH | 8 HP | G | | $2,197 | 1.93 | 0.21 | 0.31 | 0.05 | 0.91 | 2 |
| | R55GL008 | MODEL 86 | POWER SWEEPER, 42" WIDTH | 5 HP | G | | $2,759 | 1.68 | 0.26 | 0.39 | 0.06 | 0.57 | 2 |
| | R55GL015 | MODEL 1000 | HOIST, HYDRAULIC, W/175' CABLE | 9 HP | G | | $8,258 | 4.14 | 0.78 | 1.17 | 0.19 | 1.03 | 7 |
| | R55GL007 | MODEL 1400 | HOIST, HYDRAULIC SWING, W/275' CABLE | 18 HP | G | | $11,622 | 6.62 | 1.10 | 1.65 | 0.27 | 2.05 | 10 |
| | R55GL013 | MODEL 30 | KETTLE, 30 GAL | | | | $1,284 | 0.68 | 0.11 | 0.16 | 0.03 | 0.00 | 3 |
| | R55GL014 | MODEL 85 | KETTLE, 85 GAL, SKID | | | | $2,750 | 1.28 | 0.26 | 0.39 | 0.06 | 0.00 | 10 |
| | R55GL001 | MODEL 115 | KETTLE, 115 GAL | | | | $3,112 | 1.54 | 0.28 | 0.41 | 0.07 | 0.00 | 10 |
| | R55GL002 | MODEL 175 | KETTLE, 175 GAL, WITH PUMP | 5 HP | G | | $9,986 | 4.61 | 0.92 | 1.38 | 0.23 | 0.57 | 17 |
| | R55GL012 | MODEL 300 | KETTLE, 300 GAL, WITH PUMP | 9 HP | G | | $11,633 | 6.03 | 1.08 | 1.62 | 0.27 | 1.03 | 23 |
| | R55GL003 | MODEL 412 | KETTLE, 412 GAL, WITH PUMP | 9 HP | G | | $13,055 | 6.51 | 1.22 | 1.82 | 0.31 | 1.03 | 30 |
| | R55GL004 | MODEL 612 | KETTLE, 612 GAL, WITH PUMP | 9 HP | G | | $14,683 | 7.29 | 1.36 | 2.03 | 0.34 | 1.03 | 40 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **S10** | **SCRAPERS, ELEVATING** | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **0 THRU 200 HP** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | S10CA001 | 613-C SERIES II | 11 CY, 13 TON, ELEVATING LOADING, 4X2 | 175 HP D-off | | $234,013 | 56.68 | 12.76 | 15.05 | 5.23 | 8.32 | 335 |
| | S10CA002 | 615-C SERIES II | 17 CY, 19 TON, ELEVATING LOADING, 4X2 | 265 HP D-off | | $364,551 | 90.14 | 19.78 | 23.25 | 8.15 | 12.59 | 526 |
| | S10CA003 | 623-F | 23 CY, 25 TON, ELEVATING LOADING, 4X2 | 365 HP D-off | | $522,564 | 125.78 | 28.51 | 33.63 | 11.69 | 17.34 | 695 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | S10JD001 | 762B | 11 CY, 13.8 TON, ELEVATING LOADING, 4X2 | 180 HP D-off | | $232,879 | 56.45 | 12.72 | 15.02 | 5.21 | 8.55 | 370 |
| | S10JD002 | 862B | 18 CY, 20.4 TON, ELEVATING LOADING, 4X2 | 268 HP D-off | | $355,381 | 86.24 | 19.44 | 22.97 | 7.95 | 12.74 | 482 |
| **S15** | **SCRAPERS, CONVENTIONAL** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **SCRAPERS, CONVENTIONAL** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | S15CA001 | 621-F | 21 CY, 24 TON, STANDARD LOADING, 4X2 | 365 HP D-off | | $457,499 | 89.01 | 20.32 | 20.61 | 10.01 | 16.29 | 680 |
| | S15CA002 | 631-E SERIES II | 31 CY, 37.5TON, STANDARD LOADING, 4X2 | 450 HP D-off | | $692,017 | 126.81 | 30.79 | 31.29 | 15.14 | 20.09 | 959 |
| | S15CA003 | 651-E | 44 CY, 52 TON, STANDARD LOADING, 4X2 | 594 HP D-off | | $893,944 | 163.17 | 39.83 | 40.54 | 19.56 | 26.52 | 1,325 |
| **S20** | **SCRAPERS, TANDEM POWERED** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **SCRAPERS, TANDEM POWERED** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | S20CA001 | 627-F | 21CY,24 TON,TANDEM POWER,STD LOADING,4X4 | 330 HP D-off | 225 HP D-off | $525,259 | 112.47 | 23.39 | 23.80 | 11.49 | 25.58 | 791 |
| | S20CA002 | 627-F PP | 20CY,24TON,T-POWER,PUSH-PULL STD LOADING | 330 HP D-off | 225 HP D-off | $532,314 | 113.32 | 23.72 | 24.13 | 11.65 | 25.58 | 824 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S20* | | | *CATERPILLAR, INC. (continued)* | | | | | | | | | |
| | S20CA003 | 637-E SERIES II | 31CY,37.5TON,TANDEM POWER,STD LOADNG,4X4 | 450 HP D-off | 250 HP D-off | $872,537 | 168.99 | 38.98 | 39.78 | 19.09 | 32.26 | 1,084 |
| | S20CA004 | 637-E SERIES II P | 31CY,37.5TON,T-POWR,PUSH-PULL STD LOADNG | 450 HP D-off | 250 HP D-off | $909,141 | 173.38 | 40.65 | 41.51 | 19.89 | 32.26 | 1,117 |
| | S20CA005 | 657-E | 44CY,52 TON,TANDEM POWER,STD LOADING,4X4 | 550 HP D-off | 400 HP D-off | $1,078,078 | 207.20 | 48.37 | 49.56 | 23.59 | 43.77 | 1,519 |
| | S20CA006 | 657-E PP | 44CY,52TON,T-POWER,PUSH-PULL STD LOADING | 550 HP D-off | 400 HP D-off | $1,142,364 | 220.93 | 51.12 | 52.23 | 25.00 | 43.77 | 1,594 |
| **S25** | **SCRAPERS, TRACTOR DRAWN** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **SCRAPERS, TRACTOR DRAWN** | | | | | | | | | |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | S25JD001 | 1510C | 11 CY, 17 TON, STANDARD LOADING, TOWED (ADD 225 HP, PTO, TRACTOR) | | | $38,884 | 7.51 | 2.01 | 2.28 | 0.87 | 0.00 | 164 |
| | S25JD002 | 1814C | 14 CY, 23 TON, STANDARD LOADING, TOWED (ADD 360 HP, PTO, TRACTOR) | | | $49,183 | 9.75 | 2.51 | 2.81 | 1.10 | 0.00 | 193 |
| | | | **REYNOLDS INTERNATIONAL, L.P.** | | | | | | | | | |
| | S25RI001 | 14C | TOWED SCRAPER, 10.7-14 CY, 10' CUT WIDTH (ADD TOWING UNIT) | 0 | | $35,542 | 6.49 | 1.89 | 2.19 | 0.79 | 0.00 | 136 |
| | S25RI002 | 17C | TOWED SCRAPER, 13-17 CY, 12' CUT WIDTH (ADD TOWING UNIT) | 0 | | $41,493 | 7.50 | 2.23 | 2.59 | 0.93 | 0.00 | 170 |
| | | | **ROME PLOW COMPANY** | | | | | | | | | |
| | S25RM003 | R56H | 9-12 CY, 12.5 TON, WITH HYDRAULICS (ADD D5 OR D6 TRACTOR) | | | $92,303 | 20.59 | 4.71 | 5.30 | 2.06 | 0.00 | 203 |
| | S25RM001 | R67H | 12-17 CY, 17 TON, WITH HYDRAULICS (ADD D6 OR D7H TRACTOR) | | | $115,265 | 23.85 | 6.07 | 6.97 | 2.58 | 0.00 | 238 |
| | S25RM002 | R89H | 18-26 CY, 25 TON, WITH HYDRAULICS (ADD D8 OR D9H TRACTOR) | | | $131,308 | 27.34 | 6.86 | 7.84 | 2.94 | 0.00 | 382 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **S30** | **SCREENING & CRUSHING PLANTS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **CONVEYORS** | | | | | | | | | | |
| | | | **KOLBERG MANUFACTURING COMPANY** | | | | | | | | | | |
| | S30KB001 | 13-2480 | STACKING CONVEYOR, 24" W X 80' L MAXIMUM PRODUCTION 750 TONS / HOUR | 15 HP | E | | $27,652 | 7.84 | 1.79 | 2.40 | 0.59 | 1.37 | 14 |
| | S30KB002 | 13-24100 | STACKING CONVEYOR, 24" W X 100' L MAXIMUM PRODUCTION 750 TONS / HOUR | 15 HP | E | | $30,385 | 8.43 | 1.96 | 2.62 | 0.65 | 1.37 | 18 |
| | S30KB003 | 13-3080 | STACKING CONVEYOR, 30" W X 80' L MAXIMUM PRODUCTION 1500 TONS / HOUR | 25 HP | E | | $29,461 | 9.67 | 1.91 | 2.56 | 0.63 | 2.28 | 20 |
| | S30KB004 | 13-30100 | STACKING CONVEYOR, 30" W X 100' L MAXIMUM PRODUCTION 1500 TONS / HOUR | 25 HP | E | | $33,870 | 10.61 | 2.18 | 2.92 | 0.72 | 2.28 | 25 |
| | S30KB005 | 13-3680 | STACKING CONVEYOR, 36" W X 80' L MAXIMUM PRODUCTION 2000 TONS / HOUR | 30 HP | E | | $35,199 | 11.59 | 2.27 | 3.03 | 0.75 | 2.73 | 30 |
| | S30KB006 | 13-36100 | STACKING CONVEYOR, 36" W X 100' L MAXIMUM PRODUCTION 2000 TONS / HOUR | 40 HP | E | | $41,058 | 14.24 | 2.65 | 3.55 | 0.87 | 3.64 | 38 |
| | S30KB034 | 12-3050 | FEEDER CONVEYOR, 30" W X 50' L, 10 CY HOPPER & 8' FEED; 1500 TONS / HOUR VIBRATING FEEDER, 4' 6" GRIZZLY, 36" X 22' END DELIVERY CONVEYOR | 15 HP | E | | $42,982 | 11.00 | 2.78 | 3.74 | 0.91 | 1.37 | 15 |
| | S30KB035 | 12-3070 | FEEDER CONVEYOR, 30" W X 70' L 10 CY HOPPER & 8' FEED; 1500 TONS / HOUR VIBRATING FEEDER, 4' 6" GRIZZLY, 36" X 22' END DELIVERY CONVEYOR | 20 HP | E | | $47,845 | 12.78 | 3.07 | 4.09 | 1.02 | 1.82 | 18 |
| | S30KB036 | 12-3650 | FEEDER CONVEYOR, 36" W X 50' L 10 CY HOPPER & 8' FEED; 2000 TONS / HOUR VIBRATING FEEDER, 4' 6" GRIZZLY, 36" X 22' END DELIVERY CONVEYOR | 20 HP | E | | $46,177 | 12.39 | 2.99 | 4.01 | 0.98 | 1.82 | 16 |
| | S30KB007 | 31-2480 | SIDEFOLDING STACKER CONVEYOR, 24" X 80'L MAXIMUM PRODUCTION 750 TONS / HOUR | 15 HP | E | | $30,689 | 8.53 | 1.91 | 2.52 | 0.65 | 1.37 | 22 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***S30*** | | | ***KOLBERG MANUFACTURING COMPANY (continued)*** | | | | | | | | | | |
| | S30KB041 | 12-3670 | FEEDER CONVEYOR, 36" W X 70' L 10 CY HOPPER & 8' FEED; 2000 TONS / HOUR | 25 HP | E | | $51,930 | 14.36 | 3.32 | 4.44 | 1.10 | 2.28 | 19 |
| | S30KB008 | 31-24100 | SIDEFOLDING STACKER CONVEYOR, 24" X100'L MAXIMUM PRODUCTION 750 TONS / HOUR | 15 HP | E | | $36,312 | 9.67 | 2.28 | 3.01 | 0.77 | 1.37 | 27 |
| | S30KB009 | 31-24125 | SIDEFOLDING STACKER CONVEYOR, 24" X125'L MAXIMUM PRODUCTION 750 TONS / HOUR | 20 HP | E | | $38,781 | 10.95 | 2.42 | 3.20 | 0.82 | 1.82 | 33 |
| | S30KB010 | 31-3080 | SIDEFOLDING STACKER CONVEYOR, 30" X 80'L MAXIMUM PRODUCTION 1500 TONS / HOUR | 25 HP | E | | $32,583 | 10.40 | 2.02 | 2.65 | 0.69 | 2.28 | 32 |
| | S30KB011 | 31-30100 | SIDEFOLDING STACKER CONVEYOR, 30" X100'L MAXIMUM PRODUCTION 1500 TONS / HOUR | 25 HP | E | | $39,903 | 11.91 | 2.50 | 3.29 | 0.85 | 2.28 | 39 |
| | S30KB013 | 31-3680 | SIDEFOLDING STACKER CONVEYOR, 36" X 80'L MAXIMUM PRODUCTION 2000 TONS / HOUR | 30 HP | E | | $38,321 | 12.29 | 2.39 | 3.15 | 0.81 | 2.73 | 42 |
| | S30KB012 | 31-30125 | SIDEFOLDING STACKER CONVEYOR, 30" X125'L MAXIMUM PRODUCTION 1500 TONS / HOUR | 30 HP | E | | $46,669 | 14.01 | 2.94 | 3.89 | 0.99 | 2.73 | 47 |
| | S30KB014 | 31-36100 | SIDEFOLDING STACKER CONVEYOR, 36" X100'L MAXIMUM PRODUCTION 2000 TONS / HOUR | 40 HP | E | | $47,238 | 15.58 | 2.97 | 3.94 | 1.00 | 3.64 | 59 |
| | S30KB015 | 31-36125 | SIDEFOLDING STACKER CONVEYOR, 36" X125'L MAXIMUM PRODUCTION 2000 TONS / HOUR | 50 HP | E | | $56,870 | 18.99 | 3.60 | 4.78 | 1.21 | 4.55 | 70 |
| | S30KB018 | 35-24150 | FIXED HEIGHT STACKER CONVEYOR, 24"X150'L MAXIMUM PRODUCTION 750 TONS / HOUR | 25 HP | E | | $81,822 | 20.34 | 5.33 | 7.18 | 1.74 | 2.28 | 39 |
| | S30KB021 | 35-30150 | FIXED HEIGHT STACKER CONVEYOR, 30"X150'L MAXIMUM PRODUCTION 1500 TONS / HOUR | 40 HP | E | | $96,304 | 25.46 | 6.28 | 8.46 | 2.05 | 3.64 | 56 |
| | S30KB024 | 35-36150 | FIXED HEIGHT STACKER CONVEYOR, 36"X150'L MAXIMUM PRODUCTION 2000 TONS / HOUR | 60 HP | E | | $113,184 | 31.80 | 7.39 | 9.96 | 2.41 | 5.46 | 84 |
| | S30KB025 | 36-24100 | ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 24" WIDE X 100' LONG MAXIMUM PRODUCTION 750 TONS / HOUR | 20 HP | E | | $58,378 | 14.81 | 3.80 | 5.12 | 1.24 | 1.82 | 52 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S30* | | | ***KOLBERG MANUFACTURING COMPANY (continued)*** | | | | | | | | | | |
| | S30KB026 | 36-24120 | ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 24" WIDE X 120' LONG MAXIMUM PRODUCTION 750 TONS / HOUR | 20 HP | E | | $69,408 | 17.07 | 4.53 | 6.10 | 1.48 | 1.82 | 57 |
| | S30KB027 | 36-24150 | ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 24" WIDE X 150' LONG MAXIMUM PRODUCTION 750 TONS / HOUR | 25 HP | E | | $87,697 | 21.52 | 5.72 | 7.71 | 1.86 | 2.28 | 65 |
| | S30KB028 | 36-30100 | ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 30" WIDE X 100' LONG MAXIMUM PRODUCTION 1500 TONS / HOUR | 30 HP | E | | $60,764 | 16.77 | 3.95 | 5.32 | 1.29 | 2.73 | 64 |
| | S30KB029 | 36-30120 | ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 30" WIDE X 120' LONG MAXIMUM PRODUCTION 1500 TONS / HOUR | 30 HP | E | | $81,690 | 21.02 | 5.34 | 7.19 | 1.74 | 2.73 | 71 |
| | S30KB030 | 36-30150 | ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 30" WIDE X 150' LONG MAXIMUM PRODUCTION 1500 TONS / HOUR | 40 HP | E | | $103,422 | 26.89 | 6.75 | 9.10 | 2.20 | 3.64 | 82 |
| | S30KB031 | 36-36100 | ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 36" WIDE X 100' LONG MAXIMUM PRODUCTION 2000 TONS / HOUR | 50 HP | E | | $86,411 | 24.87 | 5.65 | 7.62 | 1.84 | 4.55 | 82 |
| | S30KB032 | 36-36120 | ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 36" WIDE X 120' LONG MAXIMUM PRODUCTION 2000 TONS / HOUR | 50 HP | E | | $103,989 | 28.44 | 6.80 | 9.18 | 2.21 | 4.55 | 93 |
| | S30KB033 | 36-36150 | ADJUSTABLE HEIGHT RADIAL STACKER, CONVEYOR, 36" WIDE X 150' LONG MAXIMUM PRODUCTION 2000 TONS / HOUR | 60 HP | E | | $121,493 | 33.48 | 7.94 | 10.71 | 2.58 | 5.46 | 110 |
| | S30KB042 | 1430-15 | SINGLE SURGE BIN, 25CY; BELT FEEDER; & 30"W X 40' L, CONVEYOR; 1500 TONS / HOUR | 25 HP | E | | $58,612 | 15.59 | 3.83 | 5.16 | 1.25 | 2.28 | 18 |
| | S30KB053 | 1436-25 | SINGLE SURGE BIN, 25CY; BELT FEEDER; & 36"W X 40' L, CONVEYOR; 2000 TONS / HOUR | 35 HP | E | | $64,439 | 18.23 | 4.21 | 5.67 | 1.37 | 3.19 | 20 |
| | S30KB054 | 1936-2 | DOUBLE STORAGE BIN, 25CY; BELT FEEDER; & 30"W X 40' L, CONVEYOR; 1500 TONS / HOUR | 25 HP | E | | $58,612 | 15.62 | 3.81 | 5.11 | 1.25 | 2.28 | 18 |
| | S30KB043 | 1936-3 | TRIPLE STORAGE BIN, 25CY; BELT FEEDER; & 36"W X 40' L, CONVEYOR; 2000 TONS / HOUR | 35 HP | E | | $64,439 | 18.26 | 4.18 | 5.62 | 1.37 | 3.19 | 20 |
| | S30KB044 | 1936-4 | FOUR STORAGE BIN, 25CY; BELT FEEDER; & 36"W X 40' L, CONVEYOR; 2000 TONS / HOUR | 35 HP | E | | $64,439 | 18.26 | 4.18 | 5.62 | 1.37 | 3.19 | 20 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **PUTZMEISTER INC.** | | | | | | | | | |
| | S30PU001 | TELEBELT TB 50 | TRUCK MOUNTED CONVEYOR, 16"X 28' TO 50'L 80 CY/HR OUTPUT WITH 360 DEG ROTATION; HOPPER 0.8 CY WITH FEED CONVEYOR 16" X 27 ' LONG; INCLUDES OUTRIGGERS & TREMIE | 215 HP D-off | | $207,069 | 56.25 | 13.55 | 18.30 | 4.40 | 10.22 | 201 |
| | S30PU002 | TELEBELT TB 80 | TRUCK MOUNTED CONVEYOR, 18"X 35' TO 80'L 360 CY/HR OUTPUT WITH 360 DEG ROTATION; HOPPER 0.8 CY WITH FEED CONVEYOR 16" X 35 ' LONG; INCLUDES OUTRIGGERS & TREMIE | 350 HP D-off | | $305,489 | 85.22 | 19.97 | 26.94 | 6.50 | 16.63 | 332 |
| | S30PU003 | TELEBELT TB 10 | TRUCK MOUNTED CONVEYOR, 18"X 40'TO 105'L 360 CY/HR OUTPUT WITH 360 DEG ROTATION; HOPPER 3 CY WITH FEED CONVEYOR 18" X 40 ' LONG; INCLUDES OUTRIGGERS & TREMIE | 350 HP D-off | | $463,754 | 117.32 | 30.40 | 41.07 | 9.86 | 16.63 | 592 |
| | | | **TELSMITH** | | | | | | | | | |
| | S30TS001 | PTC 24IN X 50FT | TRUSS FRAME CONVEYOR, 24" W X 50' L MAXIMUM PRODUCTION 750 TONS / HOUR | 10 HP E | | $35,808 | 8.79 | 2.31 | 3.10 | 0.76 | 0.91 | 10 |
| | S30TS002 | PTC 24IN X 70FT | TRUSS FRAME CONVEYOR, 24" W X 70' L MAXIMUM PRODUCTION 750 TONS / HOUR | 15 HP E | | $39,918 | 10.40 | 2.58 | 3.45 | 0.85 | 1.37 | 13 |
| | S30TS003 | PTC 30IN X 50FT | TRUSS FRAME CONVEYOR, 30" W X 50' L MAXIMUM PRODUCTION 1500 TONS / HOUR | 10 HP E | | $37,687 | 9.19 | 2.43 | 3.25 | 0.80 | 0.91 | 12 |
| | S30TS004 | PTC 30IN X 70FT | TRUSS FRAME CONVEYOR, 30" W X 70' L MAXIMUM PRODUCTION 1500 TONS / HOUR | 20 HP E | | $42,510 | 11.67 | 2.73 | 3.66 | 0.90 | 1.82 | 17 |
| | S30TS005 | PTC 36IN X 50FT | TRUSS FRAME CONVEYOR, 36" W X 50' L MAXIMUM PRODUCTION 2000 TONS / HOUR | 20 HP E | | $40,055 | 11.15 | 2.58 | 3.45 | 0.85 | 1.82 | 19 |
| | S30TS006 | PTC 36IN X 70FT | TRUSS FRAME CONVEYOR, 36" W X 70' L MAXIMUM PRODUCTION 2000 TONS / HOUR | 20 HP E | | $45,749 | 12.35 | 2.94 | 3.93 | 0.97 | 1.82 | 26 |
| | S30TS007 | PTC 42IN X 50FT | TRUSS FRAME CONVEYOR, 42" W X 50' L MAXIMUM PRODUCTION 3000 TONS / HOUR | 20 HP E | | $40,672 | 11.29 | 2.61 | 3.49 | 0.86 | 1.82 | 25 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S30* | | | *TELSMITH (continued)* | | | | | | | | | | |
| | S30TS008 | PTC 42IN X 70FT | TRUSS FRAME CONVEYOR, 42" W X 70' L MAXIMUM PRODUCTION 3000 TONS / HOUR | 25 HP | E | | $47,222 | 13.41 | 3.02 | 4.04 | 1.00 | 2.28 | 25 |
| | **SUBCATEGORY 0.20** | | **CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR** | | | | | | | | | | |
| | | | **HEWITT-ROBINS** | | | | | | | | | | |
| | S30HW001 | MODEL 13654V | PRIMARY CRUSHING PLANT, IMPACTOR 36"X54" SINGLE ROTOR IMPACT CRUSHER, 250 TPH 3' X 16' FEEDER & 4' GRIZZLY, 24"X 8' REJECTION CONVEYOR; 36" X 37' DISCHARGE SCREENS OR SECONDARY CRUSHING PLANTS | 250 HP | E | | $276,298 | 66.57 | 10.38 | 9.78 | 5.49 | 22.75 | 804 |
| | S30HW002 | MODEL 14866V | PRIMARY CRUSHING PLANT, IMPACTOR 48"X66" SINGLE ROTOR IMPACT CRUSHER, 350 TPH 4' X 16' FEEDER & 6' GRIZZLY, 30"X 9.5' REJECTION CONVEYOR; 48" X 43' DISCHARGE SCREENS OR SECONDARY CRUSHING PLANTS | 350 HP | E | | $373,929 | 91.90 | 14.05 | 13.24 | 7.43 | 31.85 | 1,280 |
| | S30HW013 | MODEL H4832S | SECONDARY CRUSHING PLANT, HAMMERMILL MAX. 500 TON PER HOUR; 3' X 37' FEED CONVEYOR; TO THE 5' W X 16'L VIB HORZ. TRIPLE DECK SCREEN; DROP TO A 36"X30' RETURN CONVEYOR & ROTOR LIFT; TRAILER | 450 HP | E | | $332,984 | 101.56 | 12.54 | 11.83 | 6.62 | 40.95 | 600 |
| | | | **KOLBERG MANUFACTURING COMPANY** | | | | | | | | | | |
| | S30KB045 | CS-4250 | PRIMARY CRUSHING PLANT, IMPACTOR,42"X52" MAXIMUM 500 TONS/ HOUR; VIBRATING FEEDER, 18' LONG X 42" WIDE, WITH ADJ. GRIZZLY & BYPASS; FEEDING TO MODEL 616 E3 SCREENING PORTABLE PLANT | 360 HP | D-off | | $401,604 | 67.17 | 15.16 | 14.33 | 7.99 | 17.11 | 548 |
| | | | **TELSMITH** | | | | | | | | | | |
| | S30TS009 | 4246 | PRIMARY IMPACT CRUSHER, 600 TON/HR MAX CAPACITY | 300 HP | E | | $246,820 | 72.95 | 9.36 | 8.89 | 4.91 | 27.30 | 595 |
| | S30TS010 | 4856 | PRIMARY IMPACT CRUSHER, 1100 TON/HR MAX CAPACITY | 400 HP | E | | $363,423 | 100.97 | 13.77 | 13.08 | 7.23 | 36.40 | 942 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S30* | | | ***TELSMITH (continued)*** | | | | | | | | | | |
| | S30TS011 | 6071 | PRIMARY IMPACT CRUSHER, 2100 TON/HR MAX CAPACITY, 2 EA 400 HP MOTOR | 800 HP | E | | $610,880 | 189.42 | 23.15 | 21.99 | 12.15 | 72.80 | 1,950 |
| | **SUBCATEGORY 0.21** | | **CRUSHERS - CONE** | | | | | | | | | | |
| | | | **KOLBERG MANUFACTURING COMPANY** | | | | | | | | | | |
| | S30KB046 | 1200 LS | SECONDARY CRUSHING PLANT, CONE MAX. 120 TPH(3/8" AGG)-> 250TPH(1" AGG) IMPACT CRUSHER, 42" X 50" WITH HOPPER; THAT DROP TO A END DELIVERY CONVEYOR CRUSHING PLANT; AND FEED CONVEYORS | 210 HP | E | | $400,546 | 78.12 | 15.12 | 14.31 | 7.96 | 19.11 | 550 |
| | S30KB047 | 1400 LS | SECONDARY CRUSHING PLANT, CONE MAX. 630TPH(1" AGG)->1050TPH(2-1/2" AGG) IMPACT CRUSHER, 42" X 50" WITH HOPPER; THAT DROP TO A END DELIVERY CONVEYOR CRUSHING PLANT; AND FEED CONVEYORS | 315 HP | E | | $342,825 | 86.48 | 12.94 | 12.23 | 6.82 | 28.67 | 950 |
| | **SUBCATEGORY 0.22** | | **CRUSHERS - JAW** | | | | | | | | | | |
| | | | **HEWITT-ROBINS** | | | | | | | | | | |
| | S30HW005 | MODEL J1524PF | CRUSHING PLANT, JAW 15' x 24" MAX. 21 TPH (1" AGG) -> 54TPH (3" AGG) 2.5' X 8' FEEDER & 2' GRIZZLY; TO A 15" X 24" JAW CRUSHER; TO A 24"W X 20'L SCREENS OR SECONDARY CRUSHING PLANTS | 40 HP | E | | $147,401 | 19.44 | 5.54 | 5.21 | 2.93 | 3.64 | 86 |
| | S30HW006 | MODEL J1536V | CRUSHING PLANT, JAW 15" x 36" MAX. 45 TPH (1-1/2"AGG)->150TPH (6" AGG) 3' X 14' FEEDER & 4' GRIZZLY; TO A 15" X 36" JAW CRUSHER; TO A 30"W X 31'L SCREENS OR SECONDARY CRUSHING PLANTS | 100 HP | E | | $245,237 | 36.90 | 9.24 | 8.72 | 4.88 | 9.10 | 128 |
| | S30HW007 | MODEL J2036V | PRIMARY CRUSHING PLANT, JAW 20" x 36" MAX. 65 TPH (2" AGG) -> 223 TPH (7" AGG) 3' X 14' FEEDER & 4' GRIZZLY; TO A 20" X 36" JAW CRUSHER; TO A 30"W X 31'L SCREENS OR SECONDARY CRUSHING PLANTS | 125 HP | E | | $266,404 | 42.43 | 10.05 | 9.49 | 5.30 | 11.38 | 128 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S30* | | | ***HEWITT-ROBINS (continued)*** | | | | | | | | | | |
| | S30HW008 | MODEL J2436V | PRIMARY CRUSHING PLANT, JAW 24" x 36" MAX. 95 TPH (2-1/2"AGG)-> 230TPH(6" AGG) 3' X 14' FEEDER & 4' GRIZZLY; TO A 24" X 36" JAW CRUSHER; TO A 30"W X 31'L SCREENS OR SECONDARY CRUSHING PLANTS | 125 HP | E | | $278,285 | 43.48 | 10.49 | 9.91 | 5.53 | 11.38 | 128 |
| | S30HW009 | MODEL J2142V | PRIMARY CRUSHING PLANT, JAW 21" X 42" MAX. 183 TPH (4" AGG) -> 345TPH (8" AGG) 3.5' X 16' FEEDER & 4' GRIZZLY; TO A 21" X 42" JAW CRUSHER, TO A 36"W X 34'L SCREENS OR SECONDARY CRUSHING PLANTS | 150 HP | E | | $288,778 | 48.25 | 10.86 | 10.24 | 5.74 | 13.65 | 152 |
| | S30HW010 | MODEL J3042V | PRIMARY CRUSHING PLANT, JAW 30" X 42" MAX. 200 TPH (4" AGG) -> 390TPH (8" AGG) 3.5' X 16' FEEDER & 6' GRIZZLY; TO A 30" X 42" JAW CRUSHER; TO A 36"W X 55'L SCREENS OR SECONDARY CRUSHING PLANTS | 200 HP | E | | $351,638 | 61.21 | 13.24 | 12.49 | 6.99 | 18.20 | 156 |
| | S30HW011 | MODEL J2248V | PRIMARY CRUSHING PLANT, JAW 22" X 48" MAX. 115 TPH(2-1/2" AGG)->240TPH(6" AGG) 4' X 16' FEEDER & 4' GRIZZLY; TO A 22" X 48" JAW CRUSHER; TO A 48"W X 37'L SCREENS OR SECONDARY CRUSHING PLANTS | 200 HP | E | | $344,895 | 60.78 | 12.97 | 12.22 | 6.86 | 18.20 | 168 |
| | S30HW012 | MODEL J3048V | PRIMARY CRUSHING PLANT, JAW 30" X 48" MAX. 340 TPH (5" AGG)-> 615TPH (10" AGG) 4' X 16' FEEDER & 4' GRIZZLY; TO A 30" X 48" JAW CRUSHER; TO A 48"W X 37'L SCREENS OR SECONDARY CRUSHING PLANTS | 200 HP | E | | $407,367 | 66.54 | 15.33 | 14.45 | 8.10 | 18.20 | 168 |
| | | | **KOLBERG MANUFACTURING COMPANY** | | | | | | | | | | |
| | S30KB055 | CS-1536 | PRIMARY CRUSHING PLANT, JAW 15" X 36" MAX. 45 TPH(1-1/2" AGG)-> 150TPH(6" AGG) VIBRATING FEEDER, 14' LONG X 36" WIDE, WITH ADJ. GRIZZLY & BYPASS; FEEDING TO SECONDARY CRUSHING PLANTS | 180 HP | D-off | | $283,839 | 37.59 | 10.70 | 10.11 | 5.64 | 8.55 | 548 |
| | S30KB056 | CS-2036 | PRIMARY CRUSHING PLANT, JAW 20" X 36" MAX. 65 TPH (2" AGG) -> 223TPH (7" AGG) VIBRATING FEEDER, 14' LONG X 36" WIDE, WITH ADJ. GRIZZLY & BYPASS; FEEDING TO SECONDARY CRUSHING PLANTS | 180 HP | D-off | | $292,511 | 38.38 | 11.04 | 10.43 | 5.82 | 8.55 | 590 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *S30* | | | ***KOLBERG MANUFACTURING COMPANY (continued)*** | | | | | | | | | |
| | S30KB057 | CS-2436 | PRIMARY CRUSHING PLANT, JAW 24" X 36" MAX. 95 T/HR(2-1/2" AGG)-> 230TPH(6"AGG) VIBRATING FEEDER, 16' LONG X 36" WIDE, WITH ADJ. GRIZZLY & BYPASS; FEEDING TO SECONDARY CRUSHING PLANTS | 223 HP D-off | | $330,598 | 44.59 | 12.47 | 11.80 | 6.57 | 10.60 | 701 |
| | S30KB058 | 1524-2416 DUPLE | CRUSHING & SCREEN PLANT, JAW 15" X 36" MAX. 200 TPH (1/4" AGG)-> 250TPH(6" AGG) VIBRATING FEEDER, 14' LONG X 36" WIDE, WITH ADJ. GRIZZLY & BYPASS; FEEDING TO WATER TANK IF NEEDED | 250 HP E | | $286,317 | 62.29 | 10.80 | 10.22 | 5.69 | 22.75 | 391 |
| | S30KB059 | 2036-3024 DUPLE | CRUSHING & SCREEN PLANT, JAW 20" X 36" MAX. 270 TPH (1/4" AGG)->320TPH (7" AGG) RECIPROCATING PLATE FEEDER, 14' L X X 36" W, WITH 12' LONG ADJ. GRIZZLY & ADD 300 KW GENERATOR; & MAYBE WATER TANK | 300 HP E | | $448,042 | 84.17 | 16.91 | 15.99 | 8.91 | 27.30 | 415 |
| | **SUBCATEGORY 0.30** | | **SCREENING PLANT** | | | | | | | | | |
| | | | **HEWITT-ROBINS** | | | | | | | | | |
| | S30HW014 | V-11 6X16FT, DD | SCREENING PLANT, 6' W X 16' L, VIB SLOPE DOUBLE DECK SCREENS; 36"X 16.5" UNDER SCREEN CONVEYOR; 7 CY HOPPER AND FEEDER; TRAILER MOUNTED, ADD CRUSHER; FEED & RETURN TO CRUSHER & STACKING CONVEYORS | 15 HP E | | $107,386 | 25.38 | 7.04 | 9.51 | 2.28 | 1.37 | 101 |
| | S30HW016 | V-11 6X20FT, DD | SCREENING PLANT, 6' W X 20' L, VIB SLOPE DOUBLE DECK SCREENS; 36"X 16.5" UNDER SCREEN CONVEYOR; 7 CY HOPPER AND FEEDER; TRAILER MOUNTED, ADD CRUSHER; FEED & RETURN TO CRUSHER & STACKING CONVEYORS | 20 HP E | | $111,763 | 27.05 | 7.34 | 9.91 | 2.38 | 1.82 | 115 |
| | S30HW015 | V-11 6X16FT, TD | SCREENING PLANT, 6' W X 16' L, VIB SLOPE TRIPLE DECK SCREENS; 36"X 16.5 UNDER SCREEN CONVEYOR; 7 CY HOPPER AND FEEDER; TRAILER MOUNTED, ADD CRUSHER; FEED & RETURN TO CRUSHER & STACKING CONVEYORS | 25 HP E | | $118,194 | 29.15 | 7.75 | 10.48 | 2.51 | 2.28 | 138 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***S30*** | | | ***HEWITT-ROBINS (continued)*** | | | | | | | | | | |
| | S30HW017 | V-11 6X20FT, TD | SCREENING PLANT, 6' W X 20' L, VIB SLOPE TRIPLE DECK SCREENS; 36"X 16.5" UNDER SCREEN CONVEYOR; 7 CY HOPPER AND FEEDER; TRAILER MOUNTED, ADD CRUSHER; FEED & RETURN TO CRUSHER & STACKING CONVEYORS | 25 HP | E | | $120,490 | 29.65 | 7.91 | 10.69 | 2.56 | 2.28 | 167 |
| | S30HW018 | V-11 8X20FT, TD | SCREENING PLANT, 8' W X 20' L, VIB SLOPE TRIPLE DECK SCREENS; 48"X 15.5" UNDER SCREEN CONVEYOR; 7 CY HOPPER AND FEEDER; TRAILER MOUNTED, ADD CRUSHER; FEED & RETURN TO CRUSHER & STACKING CONVEYORS | 40 HP | E | | $143,763 | 36.93 | 9.37 | 12.62 | 3.06 | 3.64 | 243 |
| | | | **KOLBERG MANUFACTURING COMPANY** | | | | | | | | | | |
| | S30KB048 | 616 E-3 | SCREENING PLANT, 6' W X 16' L, VIB SLOPE TRIPLE DECK SCREENS; HOPPER & FEEDER CONVEYOR 36"W X 28.5' L; TO SCREENS WITH UNDER SCREEN CONVEYOR 36" W X 18' L; & & RETURN TO CRUSHER & STACKING CONVEYORS | 80 HP | E | | $134,433 | 40.63 | 8.83 | 11.94 | 2.86 | 7.28 | 280 |
| | S30KB049 | 620 E-3 | SCREENING PLANT, 6' W X 20' L, VIB SLOPE TRIPLE DECK SCREENS; HOPPER & FEEDER CONVEYOR 42"W X 34' L; TO SCREENS WITH UNDER SCREEN CONVEYOR 60" W X 25' L; & TO CRUSHER & STACKING CONVEYORS | 90 HP | E | | $138,167 | 44.04 | 8.63 | 11.37 | 2.94 | 8.19 | 355 |
| | S30KB050 | 1822 | WASHING / SCREENING PLANT, 6' W X 16'L VIB, SLOPE, TRIPLE DECK SCREENS; HOPPER& 3 PRODUCT CHUTES & ONE FINES CHUTE TO A CLASSIFYING TANK 8'W X 32' L WITH 36" RETURN TO CRUSHER & STACKING CONVEYORS | 250 HP | E | | $184,153 | 75.80 | 12.13 | 16.41 | 3.92 | 22.75 | 416 |
| | S30KB051 | 1830 | WASHING / SCREENING PLANT, 6' W X 20'L VIB, SLOPE, TRIPLE DECK SCREENS; HOPPER& 3 PRODUCT CHUTES & ONE FINES CHUTE TO A CLASSIFYING TANK 8'W X 32' L WITH 44" RETURN TO CRUSHER & STACKING CONVEYORS | 250 HP | E | | $233,776 | 86.49 | 15.41 | 20.88 | 4.97 | 22.75 | 420 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***S30*** | | | ***KOLBERG MANUFACTURING COMPANY (continued)*** | | | | | | | | | |
| | S30KB052 | 7208-32 S/P | CLASSIFYING TANK PLANT (SAND SORT) HOPPER & CLASSIFYING TANK 8'W X 32' L WITH 44" DIA SLOPED SCREW & CHUTE; TRAILER MOUNTED; ADD WATER; FEEDER AND PRODUCT CONVEYORS; 175 TON PER HOUR | 250 HP E | | $233,995 | 86.51 | 15.46 | 20.95 | 4.98 | 22.75 | 450 |
| | | | **READ CORPORATION** | | | | | | | | | |
| | S30RA001 | RD 25B | GRIZZLY-SINGLE SCREEN, 40CY/HR, TRL MTD | 24 HP D-off | | $43,604 | 10.96 | 2.88 | 3.89 | 0.93 | 1.14 | 113 |
| | S30RA002 | CV 40D | GRIZZLY-SINGLE SCREEN, 120CY/HR, TRL MTD | 25 HP D-off | | $64,420 | 15.49 | 4.25 | 5.76 | 1.37 | 1.19 | 130 |
| | S30RA003 | CV 90D | GRIZZLY-SINGLE SCREEN, 200CY/HR, TRL MTD | 49 HP D-off | | $99,774 | 24.68 | 6.58 | 8.91 | 2.12 | 2.33 | 195 |
| | S30RA004 | CV 150D | GRIZZLY-SINGLE SCREEN, 320CY/HR, TRL MTD | 49 HP D-off | | $129,390 | 31.06 | 8.54 | 11.58 | 2.75 | 2.33 | 241 |
| **S35** | **SNOW REMOVAL EQUIPMENT** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **SNOW REMOVAL EQUIPMENT** | | | | | | | | | |
| | | | **AMERICAN ROAD MACHINERY** | | | | | | | | | |
| | S35AR001 | 112 | REVERSIBLE SNOW PLOW (ADD DUMP TRK) | | | $2,868 | 0.73 | 0.22 | 0.29 | 0.07 | 0.00 | 15 |
| | S35AR002 | 713 | 1-WAY TRIP SNOW PLOW (ADD DUMP TRK) | | | $4,319 | 1.09 | 0.32 | 0.43 | 0.10 | 0.00 | 20 |
| **S40** | **SOIL & ROAD STABILIZERS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **SOIL & ROAD STABILIZERS** | | | | | | | | | |
| | | | **BOMAG DIVISION, COMPACTION AMERICA** | | | | | | | | | |
| | S40BO002 | MPH-100 RECYC | 12" DEEP X 79" WIDE, HYDROSTATIC, 4X2 | 360 HP D-off | | $287,202 | 124.96 | 25.98 | 38.12 | 6.92 | 18.66 | 339 |
| | S40BO003 | MPH-100 STABILI | 14" DEEP X 79" WIDE, HYDROSTATIC, 4X2 | 360 HP D-off | | $292,350 | 126.74 | 26.45 | 38.81 | 7.04 | 18.66 | 339 |
| | S40BO004 | MPH-100 S-DM | 21" DEEP X 79" WIDE, HYDROSTATIC, 4X2 | 360 HP D-off | | $278,331 | 121.89 | 25.17 | 36.94 | 6.70 | 18.66 | 339 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | S40CA001 | RR-250 | 12" DEEP X 96" WIDE, HYDROSTATIC, 4X2 | 335 HP D-off | | $295,895 | 126.21 | 26.77 | 39.28 | 7.13 | 17.37 | 357 |
| | S40CA002 | SS-250 | 18" DEEP X 96" WIDE, HYDROSTATIC, 4X2 | 335 HP D-off | | $269,764 | 117.15 | 24.17 | 35.33 | 6.50 | 17.37 | 331 |
| **S45** | **SPLITTERS, ROCK & CONCRETE** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **SPLITTERS, ROCK & CONCRETE** | | | | | | | | | |
| | | | **ELCO INTERNATIONAL, INC.** | | | | | | | | | |
| | S45DA004 | 02A-9 | 220 TON, S FORCE, SIZE 9, 1.75" DIA, 2 GAL, 18" DEEP HOLE REQ'D (ADD COMPR) | 80 CFM A | | $14,690 | 5.74 | 1.33 | 1.96 | 0.35 | 0.00 | 1 |
| | S45DA005 | 02-9 | 220 TON, S FORCE, SIZE 9, 1.75" DIA, 5 GAL, 18" DEEP HOLE REQ'D (ADD COMPR) | 80 CFM A | | $15,215 | 5.95 | 1.39 | 2.03 | 0.37 | 0.00 | 1 |
| | S45DA006 | 02A-12 | 385 TON, S FORCE, SIZE 12, 1.75" DIA, 2 GAL, 26" DEEP HOLE REQ'D (ADD COMPR) | 80 CFM A | | $14,860 | 5.81 | 1.35 | 1.98 | 0.36 | 0.00 | 1 |
| | S45DA007 | 02-12 | 385 TON, S FORCE, SIZE 12, 1.75" DIA, 5 GAL, 26" DEEP HOLE REQ'D (ADD COMPR) | 80 CFM A | | $15,384 | 6.00 | 1.40 | 2.05 | 0.37 | 0.00 | 1 |
| **T10** | **TRACTOR BLADES & ATTACHMENTS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **TRACTOR BLADES & ATTACHMENTS** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | T10CA001 | D3-61-9722 | BLADE, POWER ANGLE TILT, DOZER, 1.65 CY 1.65 CY | | | $11,434 | 2.46 | 0.72 | 0.91 | 0.26 | 0.00 | 22 |
| | T10CA002 | D3-PA 30B | POWER WINCH, FOR D3 (W/250' CABLE) | | | $17,063 | 3.65 | 1.08 | 1.37 | 0.39 | 0.00 | 21 |
| | T10CA004 | D4-104-5683 | BLADE, ANGLE, HYDRAULIC, DOZER,D4 2.17CY FOR D4, 2.17 CY | | | $12,653 | 2.72 | 0.80 | 1.01 | 0.29 | 0.00 | 24 |
| | T10CA005 | D4-PA 30B | POWER WINCH, FOR D4 (W/250' CABLE) | | | $17,063 | 3.65 | 1.08 | 1.37 | 0.39 | 0.00 | 21 |
| | T10CA007 | D5-A C | BLADE, POWER ANGLE, HYDRAULIC, DOZER FOR D5, 2.53 CY | | | $14,692 | 3.14 | 0.92 | 1.18 | 0.33 | 0.00 | 26 |
| | T10CA008 | D5-PA 30B | POWER WINCH, FOR D5 (WITH CABLE) | | | $17,063 | 3.65 | 1.08 | 1.37 | 0.39 | 0.00 | 21 |
| | T10CA009 | D6-108-3970 | BLADE, STRAIGHT, HYDRAULIC, DOZER FOR D6R, 5.09 CY | | | $23,409 | 4.96 | 1.47 | 1.87 | 0.53 | 0.00 | 58 |
| | T10CA010 | D6-108-3982 | BLADE, ANGLE, HYDRAULIC, DOZER FOR D6R, 4.16 CY | | | $21,944 | 4.66 | 1.38 | 1.76 | 0.50 | 0.00 | 60 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T10* | | | ***CATERPILLAR, INC. (continued)*** | | | | | | | | | |
| | T10CA011 | D6-PA56 WENCH | POWER WINCH, FOR D6 (WITH CABLE) | | | $26,426 | 5.59 | 1.66 | 2.11 | 0.60 | 0.00 | 4 |
| | T10CA012 | D7-S | BLADE, STRAIGHT, HYDRAULIC, DOZER FOR D7, 6.75 CY | | | $35,778 | 7.54 | 2.24 | 2.86 | 0.81 | 0.00 | 77 |
| | T10CA013 | D7-U | BLADE, UNIVERSAL, HYDRAULIC, DOZER FOR D7, 10.09 CY | | | $39,292 | 8.27 | 2.46 | 3.14 | 0.89 | 0.00 | 86 |
| | T10CA014 | D7-A | BLADE, ANGLE, HYDRAULIC, DOZER FOR D7, 5.08 CY | | | $32,739 | 6.90 | 2.05 | 2.62 | 0.74 | 0.00 | 78 |
| | T10CA015 | D7-PA57 WINCH | POWER WINCH, FOR D7 (W/ CABLE) | | | $33,907 | 7.17 | 2.13 | 2.71 | 0.77 | 0.00 | 8 |
| | T10CA016 | D8-SU | BLADE, SEMI-UNIVERSAL, HYDRAULIC, DOZER FOR D8 , 6.09 CY | | | $43,062 | 9.10 | 2.70 | 3.44 | 0.98 | 0.00 | 96 |
| | T10CA017 | D8-U | BLADE, UNIVERSAL, HYDRAULIC, DOZER FOR D8, 15.30 CY | | | $46,673 | 9.86 | 2.93 | 3.73 | 1.06 | 0.00 | 106 |
| | T10CA018 | D8-A | BLADE, ANGLE, HYDRAULIC, DOZER FOR D8, 6.09 CY | | | $41,414 | 8.76 | 2.60 | 3.31 | 0.94 | 0.00 | 108 |
| | T10CA019 | | BLADE, PUSH PLATE FOR D8 | | | $1,188 | 0.31 | 0.08 | 0.10 | 0.03 | 0.00 | 5 |
| | T10CA020 | D8, PA58VS WIN | POWER WINCH, FOR D8 (WITH CABLE) | | | $34,604 | 7.37 | 2.18 | 2.77 | 0.79 | 0.00 | 33 |
| | T10CA021 | D9-SU | BLADE, SEMI-U, HYDRAULIC, DOZER FOR D9, 17.70 CY | | | $63,353 | 13.40 | 3.98 | 5.07 | 1.44 | 0.00 | 145 |
| | T10CA022 | D9-U | BLADE, UNIVERSAL,HYDRAULIC, DOZER FOR D9, 21.40 CY | | | $68,778 | 14.53 | 4.31 | 5.50 | 1.56 | 0.00 | 158 |
| | T10CA023 | D9, PA59 WINCH | POWER WINCH, FOR D9 DOZER (WITH CABLE) | | | $43,204 | 9.21 | 2.71 | 3.46 | 0.98 | 0.00 | 5 |
| | T10CA024 | D10-SU | BLADE, SEMI-U, HYDRAULIC, DOZER FOR D10, 24.20 CY | | | $88,216 | 18.67 | 5.53 | 7.06 | 2.00 | 0.00 | 244 |
| | T10CA025 | D10-U | BLADE, UNIVERSAL, HYDRAULIC, DOZER FOR D10, 28.70 CY | | | $95,375 | 20.18 | 5.99 | 7.63 | 2.17 | 0.00 | 270 |
| | T10CA026 | D11-SU | BLADE, SEMI-U, HYDRAULIC, DOZER FOR D11, 35.50 CY | | | $135,537 | 28.66 | 8.50 | 10.84 | 3.08 | 0.00 | 367 |
| | T10CA027 | D11-U | BLADE, UNIVERSAL, HYDRAULIC, DOZER FOR D11, 45.00 CY | | | $146,457 | 30.97 | 9.19 | 11.72 | 3.33 | 0.00 | 423 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | T10JD001 | 915 V-RIPPER | 5X7 V SHAPED DEEP TILLER , 175" WIDE, 7 SHANKS(ADD UP TO 200 PTO HP TRACTOR) | | | $10,005 | 2.10 | 0.62 | 0.77 | 0.23 | 0.00 | 17 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **LELY CORPORATION** | | | | | | | | | |
| | T10LE001 | 200-15 | POWER HARROW, 80" WIDE ROTERRA (ADD 40 HP TRACTOR, PTO) | | | $6,753 | 1.40 | 0.42 | 0.54 | 0.15 | 0.00 | 13 |
| | T10LE002 | 250-15 | POWER HARROW, 100" WIDE ROTERRA (ADD 45 HP TRACTOR, PTO) | | | $7,633 | 1.59 | 0.48 | 0.61 | 0.17 | 0.00 | 15 |
| | T10LE003 | 300-20 | POWER HARROW, 120" WIDE ROTERRA (ADD 50 HP TRACTOR, PTO) | | | $8,275 | 1.73 | 0.52 | 0.66 | 0.19 | 0.00 | 17 |
| | T10LE004 | 350-35 | POWER HARROW, 140" WIDE ROTERRA (ADD 60 HP TRACTOR, PTO) | | | $14,086 | 2.94 | 0.89 | 1.13 | 0.32 | 0.00 | 27 |
| | T10LE005 | 400-35 | POWER HARROW, 160" WIDE ROTERRA (ADD 75 HP TRACTOR, PTO) | | | $15,700 | 3.28 | 0.99 | 1.26 | 0.36 | 0.00 | 29 |
| **T15** | **TRACTORS, CRAWLER (DOZER) (includes blade)** | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **0 THRU 225 HP** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | T15CA002 | D-3C SERIES III L | LOW GROUND PRESSURE, SEMI-U 1.64CY BLADE | 70 HP D-off | | $84,954 | 23.56 | 4.51 | 4.96 | 2.03 | 3.63 | 170 |
| | T15CA020 | D-4C SERIES III | POWERSHIFT WITH SEMI-U 2.18 CY BLADE | 80 HP D-off | | $87,916 | 24.96 | 4.67 | 5.13 | 2.10 | 4.15 | 161 |
| | T15CA005 | D-4C SERIES III L | LOW GROUND PRESSURE, SEMI-U 2.18CY BLADE | 80 HP D-off | | $99,370 | 27.41 | 5.27 | 5.80 | 2.37 | 4.15 | 171 |
| | T15CA021 | D-5C SERIES III | POWERSHIFT, POWER ANGLE 2.50 CY BLADE | 90 HP D-off | | $100,977 | 28.51 | 5.36 | 5.89 | 2.41 | 4.67 | 187 |
| | T15CA022 | D-5C SERIES III L | LOW GROUND PRESSURE,P-ANGLE 2.50CY BLADE | 90 HP D-off | | $109,905 | 30.42 | 5.83 | 6.41 | 2.62 | 4.67 | 196 |
| | T15CA024 | D-5M XL | POWERSHIFT WITH SEMI-U 3.37 CY BLADE | 100 HP D-off | | $139,500 | 37.53 | 7.40 | 8.14 | 3.33 | 5.18 | 270 |
| | T15CA008 | D-6M XL | POWERSHIFT WITH SEMI-U 5.60 CY BLADE | 140 HP D-off | | $179,168 | 49.09 | 9.51 | 10.45 | 4.28 | 7.26 | 321 |
| | T15CA023 | D-6R | POWERSHIFT, SEMI-U 5.09CY BLADE | 165 HP D-off | | $200,447 | 55.55 | 10.64 | 11.69 | 4.79 | 8.55 | 409 |
| | T15CA009 | D-6R WHA | TRASH/WASTE HANDLING ARRANGEMENT,14.30CY | 165 HP D-off | | $268,416 | 70.13 | 14.24 | 15.66 | 6.41 | 8.55 | 434 |
| | T15CA011 | D-6R LGP | LOW GROUND PRESSURE, SEMI-U 5.09CY BLADE | 185 HP D-off | | $236,849 | 64.89 | 12.57 | 13.82 | 5.66 | 9.59 | 364 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **CASE CORPORATION** | | | | | | | | | |
| | T15CS004 | 550G | WITH UNIVERSAL BLADE | 67 HP D-off | | $85,770 | 23.49 | 4.55 | 5.00 | 2.05 | 3.47 | 137 |
| | T15CS005 | 650G | WITH UNIVERSAL BLADE | 80 HP D-off | | $98,895 | 27.31 | 5.25 | 5.77 | 2.36 | 4.15 | 156 |
| | T15CS006 | 850G | WITH UNIVERSAL BLADE | 89 HP D-off | | $112,850 | 30.96 | 5.98 | 6.58 | 2.69 | 4.61 | 168 |
| | T15CS007 | 1150G | WITH UNIVERSAL BLADE | 118 HP D-off | | $149,273 | 41.00 | 7.92 | 8.71 | 3.56 | 6.12 | 225 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | T15JD005 | 450H LT | POWERSHIFT WITH 2.00 CY ANGLE BLADE | 70 HP D-off | | $72,324 | 20.84 | 3.84 | 4.22 | 1.73 | 3.63 | 155 |
| | T15JD006 | 450H LGP | LOW GROUND PRESSURE, 2.15 CY ANGLE BLADE | 74 HP D-off | | $87,115 | 24.32 | 4.62 | 5.08 | 2.08 | 3.84 | 165 |
| | T15JD007 | 650H | POWERSHIFT WITH 2.60 CY ANGLE BLADE | 90 HP D-off | | $97,353 | 27.73 | 5.16 | 5.68 | 2.32 | 4.67 | 185 |
| | T15JD008 | 750C-II LT | POWERSHIFT WITH 5.60 CY ANGLE BLADE | 140 HP D-off | | $171,905 | 47.54 | 9.13 | 10.03 | 4.11 | 7.26 | 317 |
| | T15JD009 | 750C-II LGP | LOW GROUND PRESSURE, 4.84 CY ANGLE BLADE | 140 HP D-off | | $184,076 | 50.15 | 9.77 | 10.74 | 4.40 | 7.26 | 365 |
| | T15JD010 | 850C | POWERSHIFT WITH 7.44 CY SEMI-U BLADE | 185 HP D-off | | $207,348 | 58.56 | 11.00 | 12.10 | 4.95 | 9.59 | 404 |
| | T15JD011 | 850C LGP | LOW GROUND PRESSURE, 7.14CY SEMI-U BLADE | 185 HP D-off | | $253,877 | 68.54 | 13.47 | 14.81 | 6.06 | 9.59 | 420 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | T15KM001 | D31E-20 | HYDROSHIFT WITH POWER ANGLE 1.65CY BLADE | 70 HP D-off | | $87,639 | 24.12 | 4.65 | 5.11 | 2.09 | 3.63 | 123 |
| | T15KM002 | D37E-5 | HYDROSHIFT WITH POWER ANGLE 1.95CY BLADE | 75 HP D-off | | $96,349 | 26.38 | 5.11 | 5.62 | 2.30 | 3.89 | 149 |
| | T15KM003 | D58E-1B | HYDROSHIFT WITH POWER ANGLE 3.70CY BLADE | 130 HP D-off | | $173,527 | 47.11 | 9.20 | 10.12 | 4.14 | 6.74 | 328 |
| | T15KM013 | D65EX-12 | POWERSHIFT W/STRAIGHT TILL CY 5.09 BLADE | 190 HP D-off | | $249,994 | 68.08 | 13.26 | 14.58 | 5.97 | 9.85 | 410 |
| | T15KM007 | D85E-21 | POWERSHIFT W/STRAIGHT TILL 6.80 CY BLADE | 225 HP D-off | | $328,023 | 87.47 | 17.40 | 19.13 | 7.83 | 11.66 | 624 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.02** | | **226 HP THRU 425 HP** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | T15CA012 | D-7R | POWERSHIFT WITH SEMI-U 6.75 CY BLADE | 230 HP D-off | | $326,391 | 57.42 | 13.46 | 12.24 | 7.34 | 11.92 | 552 |
| | T15CA014 | D-7R LGP | LOW GROUND PRESSURE,STRAIGHT6.75CY BLADE | 240 HP D-off | | $384,789 | 65.50 | 15.88 | 14.43 | 8.66 | 12.44 | 598 |
| | T15CA016 | D-8R | POWERSHIFT WITH SEMI-U 15.30 CY BLADE | 305 HP D-off | | $391,830 | 70.99 | 16.17 | 14.69 | 8.82 | 15.81 | 755 |
| | T15CA017 | D-9R | POWERSHIFT WITH SEMI-U 17.70 CY BLADE | 405 HP D-off | | $537,707 | 96.47 | 22.18 | 20.16 | 12.10 | 21.00 | 1,033 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | T15KM008 | D155AX-5 | POWERSHIFT WITH SEMI-U 11.50 CY BLADE | 310 HP D-off | | $402,188 | 72.65 | 16.59 | 15.08 | 9.05 | 16.07 | 864 |
| | T15KM012 | D275A-2 | POWERSHIFT WITH SEMI-U 16.70 CY BLADE | 405 HP D-off | | $598,355 | 104.12 | 24.68 | 22.44 | 13.46 | 21.00 | 1,118 |
| | **SUBCATEGORY 0.03** | | **OVER 425 HP** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | T15CA018 | D-10R | POWERSHIFT, CAB, W/ SEMI-U 28.7 CY BLADE | 570 HP D-off | | $691,069 | 113.19 | 26.40 | 23.04 | 14.88 | 25.44 | 1,442 |
| | T15CA019 | D-11R | POWERSHIFT, CAB, W/ SEMI-U 44.0 CY BLADE | 850 HP D-off | | $1,240,770 | 193.06 | 47.40 | 41.36 | 26.72 | 37.94 | 2,255 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | T15KM011 | D475A-2 | POWERSHIFT WITH SEMI-U 33.50 CY BLADE | 860 HP D-off | | $1,393,874 | 211.33 | 53.25 | 46.46 | 30.02 | 38.39 | 2,285 |
| | T15KM014 | D375A-2 | POWERSHIFT WITH SEMI-U 24.20 CY BLADE | 525 HP D-off | | $839,827 | 127.73 | 32.09 | 27.99 | 18.09 | 23.44 | 1,472 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **T20** | **TRACTORS, WHEEL TYPE (DOZER)** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **TRACTORS, WHEEL TYPE (DOZER)** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | T20CA001 | 814-B F | ARTICULATING, STRAIGHT BLADE 3.77CY, 4X4 | 220 HP D-off | | $273,482 | 60.47 | 15.33 | 18.83 | 5.91 | 9.82 | 365 |
| | T20CA002 | 824-G | ARTICULATING, STRAIGHT BLADE 6.70CY, 4X4 | 315 HP D-off | | $404,861 | 90.38 | 22.58 | 27.66 | 8.75 | 14.06 | 690 |
| | T20CA003 | 834-B | ARTICULATING, STRAIGHT BLADE 13.70CY 4X4 | 450 HP D-off | | $598,555 | 129.03 | 33.24 | 40.62 | 12.93 | 20.09 | 902 |
| **T25** | **TRACTORS, AGRICULTURAL** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **CRAWLER** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | T25CA006 | CH 65E | AG CRAWLER,267HP,RUBBER TRACK,&3PT HITCH | 267 HP D-off | | $163,804 | 50.04 | 10.56 | 13.92 | 3.60 | 12.69 | 331 |
| | T25CA007 | CH 75E | AG CRAWLER,292HP,RUBBER TRACK,&3PT HITCH | 292 HP D-off | | $179,571 | 54.82 | 11.58 | 15.26 | 3.95 | 13.88 | 341 |
| | T25CA008 | CH 85E | AG CRAWLER,353HP,RUBBER TRACK,&3PT HITCH | 353 HP D-off | | $194,382 | 61.72 | 12.53 | 16.52 | 4.27 | 16.77 | 350 |
| | **SUBCATEGORY 0.20** | | **WHEEL** | | | | | | | | | |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | T25JD008 | 7410 | AG WHEEL, 105 HP, 4X4, 3PT HITCH | 105 HP D-off | | $54,318 | 20.34 | 4.02 | 5.59 | 1.22 | 4.99 | 74 |
| | T25JD009 | 7710 | AG WHEEL, 135 HP, 4X4, 3PT HITCH | 135 HP D-off | | $54,634 | 22.38 | 4.05 | 5.63 | 1.23 | 6.42 | 89 |
| | T25JD010 | 8100 | AG WHEEL, 165 HP, 4X4, 3PT HITCH | 165 HP D-off | | $87,445 | 32.62 | 6.42 | 8.89 | 1.97 | 7.84 | 179 |
| | T25JD012 | 9200 | AG WHEEL, 310 HP, 4X4, 3PT HITCH | 310 HP D-off | | $127,829 | 53.21 | 8.78 | 11.79 | 2.88 | 14.73 | 310 |
| | T25JD013 | 9400 | AG WHEEL, 425HP 4X4, 3PT HITCH | 425 HP D-off | | $164,304 | 69.60 | 11.54 | 15.67 | 3.70 | 20.20 | 338 |
| | T25JD014 | 8310 | AG WHEEL, 205 HP, 4X4, 3PT HITCH | 205 HP D-off | | $118,997 | 42.94 | 8.80 | 12.24 | 2.68 | 9.74 | 170 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **T30** | **TRENCHERS, CHAIN TYPE CUTTER** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **TRENCHERS, CHAIN TYPE CUTTER** | | | | | | | | | | |
| | | | **CASE CORPORATION** | | | | | | | | | | |
| | T30CS003 | MAX SNEAKER C | 36" DEEP X 6" WIDE, 4X4 | 34 HP | D-off | | $24,291 | 8.84 | 1.76 | 2.39 | 0.56 | 1.62 | 21 |
| | T30CS004 | 360 | 60" DEEP X 14" WIDE, 4X4, WITH BLADE | 30 HP | D-off | | $27,155 | 9.39 | 1.91 | 2.56 | 0.63 | 1.43 | 32 |
| | T30CS005 | 460 | 60" DEEP X 16" WIDE, 4X4X4, W/BH & BLADE | 34 HP | D-off | | $33,662 | 11.42 | 2.39 | 3.21 | 0.78 | 1.62 | 46 |
| | T30CS006 | 560 | 72" DEEP X 16" WIDE, 4X4X4, W/BH & BLADE | 46 HP | D-off | | $48,343 | 16.22 | 3.46 | 4.68 | 1.12 | 2.19 | 110 |
| | T30CS007 | 660 | 72" DEEP X 16" WIDE, 4X4X4, W/BH & BLADE | 56 HP | D-off | | $52,331 | 17.95 | 3.76 | 5.08 | 1.22 | 2.66 | 72 |
| | T30CS008 | 860 | 84" DEEP X 18" WIDE, 4X4X4, W/BH & BLADE | 79 HP | D-off | | $88,613 | 29.34 | 6.38 | 8.63 | 2.06 | 3.75 | 124 |
| | | | **DITCH WITCH** | | | | | | | | | | |
| | T30DW012 | 1220 | 36" DEEP X 6" WIDE,WALK BEHIND | 13 HP | G | | $8,323 | 4.48 | 0.60 | 0.82 | 0.19 | 1.61 | 8 |
| | T30DW013 | 1820 | 48" DEEP X 16" WIDE,WALK BEHIND | 18 HP | G | | $12,455 | 6.43 | 0.89 | 1.20 | 0.29 | 2.22 | 13 |
| | T30DW014 | 3610 | 60" DEEP X 16" WIDE, 4X4 (WITH BLADE) | 35 HP | D-off | | $29,624 | 10.39 | 2.10 | 2.81 | 0.69 | 1.66 | 39 |
| | T30DW005 | 3500 | 63" DEEP X 12" WIDE, 4X4 (W/DBL PIVOT) | 44 HP | D-off | | $31,855 | 11.57 | 2.26 | 3.03 | 0.74 | 2.09 | 42 |
| | T30DW015 | 4500 | 52" DEEP X 12" WIDE, 4X4 (WITH BLADE) | 52 HP | D-off | | $42,881 | 15.12 | 3.07 | 4.14 | 1.00 | 2.47 | 45 |
| | T30DW016 | 5110 | 80" DEEP X 24" WIDE, 4X4 (WITH BLADE) | 53 HP | D-off | | $47,435 | 16.41 | 3.42 | 4.63 | 1.10 | 2.52 | 49 |
| | T30DW017 | 7610 | 90" DEEP X 24" WIDE, 4X4 (WITH BLADE) | 74 HP | D-off | | $54,567 | 19.74 | 3.92 | 5.30 | 1.27 | 3.52 | 58 |
| | T30DW018 | 8020 | 90" DEEP X 30" WIDE, 4X4 (WITH BLADE) | 78 HP | D-off | | $68,491 | 23.79 | 4.94 | 6.70 | 1.59 | 3.71 | 66 |
| | T30DW011 | HT100 | 69" DEEP X 8" WIDE, 4X4 (W/BLADE,CWLR) | 106 HP | D-off | | $142,693 | 45.83 | 10.45 | 14.27 | 3.31 | 5.04 | 158 |
| | T30DW010 | R100 | 96" DEEP X 24" WIDE, 4X4 (W/BLADE) | 106 HP | D-off | | $120,718 | 40.61 | 8.58 | 11.55 | 2.80 | 5.04 | 95 |
| | | | **TESMEC USA, INC.** | | | | | | | | | | |
| | T30TM002 | TRS 900-B | 4' DEEP X 12" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE) | 185 HP | D-off | | $252,331 | 80.88 | 18.48 | 25.23 | 5.86 | 8.79 | 405 |
| | T30TM003 | TRS 900-B | 8' DEEP X 24" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE) | 185 HP | D-off | | $270,125 | 85.73 | 19.78 | 27.01 | 6.27 | 8.79 | 425 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T30* | | | ***TESMEC USA, INC. (continued)*** | | | | | | | | | |
| | T30TM005 | TRS 900-B-SL | 4' DEEP X 12" WIDE, CHAINSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL | 185 HP D-off | | $281,466 | 88.84 | 20.62 | 28.15 | 6.54 | 8.79 | 430 |
| | T30TM006 | TRS 900-B-SL | 8' DEEP X 24" WIDE, CHAINSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL | 185 HP D-off | | $302,201 | 94.49 | 22.13 | 30.22 | 7.02 | 8.79 | 450 |
| | T30TM007 | TRS 900-SLO | 4' DEEP X 12" WIDE, CHAINSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL, OFFSET | 240 HP D-off | | $337,597 | 107.72 | 24.72 | 33.76 | 7.84 | 11.40 | 450 |
| | T30TM008 | TRS 900-SLO | 6' DEEP X 18" WIDE, CHAINSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL, OFFSET | 240 HP D-off | | $350,684 | 111.28 | 25.68 | 35.07 | 8.14 | 11.40 | 470 |
| | T30TM012 | TRS 1100 | 8' DEEP X 26" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE) | 350 HP D-off | | $459,850 | 148.23 | 33.68 | 45.99 | 10.68 | 16.63 | 850 |
| | T30TM010 | TRS 1000-B | 10' DEEP X 30" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE) | 270 HP D-off | | $391,501 | 124.38 | 28.67 | 39.15 | 9.09 | 12.83 | 650 |
| | T30TM014 | TRS 1300 | 10' DEEP X 26" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE) | 503 HP D-off | | $704,221 | 224.87 | 51.57 | 70.42 | 16.36 | 23.90 | 1,550 |
| | T30TM013 | TRS 1300 | 14' DEEP X 42" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE) | 402 HP D-off | | $718,929 | 222.32 | 52.65 | 71.89 | 16.70 | 19.10 | 1,550 |
| | T30TM015 | TRS 1300 | 16' DEEP X 42" WIDE, CHAINSAW, CRAWLER (WITH CRUMBSHOE) | 503 HP D-off | | $744,422 | 235.84 | 54.51 | 74.44 | 17.29 | 23.90 | 1,550 |
| | T30TM001 | TRS 900-A | 3' DEEP X 4"-8" WIDE, ROCKSAW, CRAWLER (WITH CRUMBSHOE) | 185 HP D-off | | $248,043 | 79.70 | 18.16 | 24.80 | 5.76 | 8.79 | 375 |
| | T30TM004 | TRS 900-A-SL | 3' DEEP X 4"-8" WIDE, ROCKSAW, CRAWLER (W/CRUMBSHOE) SELF LEVEL | 185 HP D-off | | $267,814 | 85.11 | 19.61 | 26.78 | 6.22 | 8.79 | 400 |
| | T30TM009 | TRS 1000-A | 4' DEEP X 5"-12" WIDE, ROCKSAW, CRAWLER (WITH CRUMBSHOE) | 270 HP D-off | | $350,307 | 113.14 | 25.66 | 35.03 | 8.14 | 12.83 | 550 |
| | | | **VERMEER MANUFACTURING COMPANY** | | | | | | | | | |
| | T30VE007 | T-455 | 6' DEEP X 7.5"-24" WIDE, HYDROSTATIC | 85 HP D-off | | $121,964 | 38.80 | 8.93 | 12.20 | 2.83 | 4.04 | 195 |
| | T30VE008 | T-555 | 8' DEEP X 8"-24" WIDE, CRAWLER, HYDSTAT | 140 HP D-off | | $205,477 | 65.17 | 15.05 | 20.55 | 4.77 | 6.65 | 225 |
| | T30VE009 | T-655 | 8' DEEP X 10"-24" WIDE, CRAWLER, HYDSTAT | 180 HP D-off | | $302,841 | 94.33 | 22.17 | 30.28 | 7.03 | 8.55 | 425 |
| | T30VE010 | T-755 | 10' DEEP X 14"-36" WIDE, CRAWLER, HYDSTAT | 230 HP D-off | | $383,960 | 119.74 | 28.12 | 38.40 | 8.92 | 10.93 | 660 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **T35** | **TRENCHERS, WHEEL TYPE CUTTER** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **TRENCHERS, WHEEL TYPE CUTTER** | | | | | | | | | |
| | | | **CLEVELAND TRENCHER** | | | | | | | | | |
| | T35CT001 | 9624 | 72" DEEP X 21.5" WIDE, ROUND BKT, CRWLR | 140 HP D-off | | $187,488 | 60.26 | 13.73 | 18.75 | 4.35 | 6.65 | 230 |
| | T35CT002 | 9600-S | 72" DEEP X 24" WIDE, ROUND BKT, CRWLR | 140 HP D-off | | $217,295 | 68.40 | 15.92 | 21.73 | 5.05 | 6.65 | 229 |
| | T35CT003 | 246-FD | 84" DEEP X 24" WIDE, ROUND BKT, CRWLR | 185 HP D-off | | $244,509 | 78.75 | 17.91 | 24.45 | 5.68 | 8.79 | 320 |
| | T35CT005 | 7036-HD-2 | 84" DEEP X 27.5" WIDE, ROUND BKT, CRWLR | 102 HP D-off | | $228,715 | 69.05 | 16.75 | 22.87 | 5.31 | 4.85 | 282 |
| | T35CT006 | 7036-3 | 84" DEEP X 33.5" WIDE, ROUND BKT, CRWLR | 102 HP D-off | | $217,639 | 66.02 | 15.93 | 21.76 | 5.05 | 4.85 | 263 |
| | T35CT004 | 7036-HD | 84" DEEP X 36" WIDE, ROUND BKT, CRWLR | 102 HP D-off | | $230,152 | 69.46 | 16.86 | 23.02 | 5.35 | 4.85 | 286 |
| | T35CT007 | 7036-SD | 84" DEEP X 36" WIDE, ROUND BKT, CRWLR | 102 HP D-off | | $241,273 | 72.48 | 17.67 | 24.13 | 5.60 | 4.85 | 340 |
| | T35CT008 | 8700-2 | 84" DEEP X 36" WIDE, ROUND BUCKET, CRWLR | 150 HP D-off | | $306,913 | 93.51 | 22.48 | 30.69 | 7.13 | 7.13 | 425 |
| | T35CT009 | 7648-SD | 90" DEEP X 48" WIDE, ROUND BKT, CRWLR | 150 HP D-off | | $359,480 | 107.86 | 26.33 | 35.95 | 8.35 | 7.13 | 455 |
| | T35CT010 | 7648-SD-4 | 90" DEEP X 42" WIDE, ROUND BKT, CRWLR | 150 HP D-off | | $358,158 | 107.50 | 26.23 | 35.82 | 8.32 | 7.13 | 497 |
| | T35CT011 | 400W-HD | 108" DEEP X 72" WIDE , ROUND BKT, CRWLR | 175 HP D-off | | $425,563 | 127.53 | 31.16 | 42.56 | 9.88 | 8.32 | 672 |
| **T40** | **TRUCK OPTIONS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING** | | | | | | | | | |
| | | | **AUTO CRANE COMPANY** | | | | | | | | | |
| | T40AH001 | A50A | 3.5 TON, W/32' BOOM (ADD 21,000 GVW TRUCK & FLATBED) | | | $19,464 | 5.18 | 1.43 | 1.95 | 0.45 | 0.00 | 34 |
| | T40AH002 | A72A | 5.0 TON, W/32' BOOM (ADD 26,000 GVW TRUCK & FLATBED) | | | $23,850 | 6.29 | 1.75 | 2.39 | 0.55 | 0.00 | 45 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***T40*** | | | ***AUTO CRANE COMPANY (continued)*** | | | | | | | | | |
| | T40AH003 | A95 | 6.6 TON, W/36' BOOM (ADD 32,500 GVW TRUCK & FLATBED) | | | $33,814 | 8.82 | 2.48 | 3.38 | 0.79 | 0.00 | 68 |
| | T40AH004 | A125 | 8.6 TON, W/41' BOOM (ADD 46,000 GVW TRUCK & FLATBED) | | | $37,669 | 9.79 | 2.76 | 3.77 | 0.87 | 0.00 | 77 |
| | | | **PALFINGER, INC.** | | | | | | | | | |
| | T40PA001 | PC 2300 | 2.4TON, 2-ARM ARTICULATING &HYD 21' BOOM (ADD FLATBED AND 25,000 GVW TRUCK) | | | $8,026 | 2.27 | 0.59 | 0.80 | 0.19 | 0.00 | 9 |
| | T40PA002 | PK 13000 | 5.3TON, 3-ARM ARTICULATING &HYD 61' BOOM (ADD FLATBED AND 28,000 GVW TRUCK) | | | $24,643 | 6.47 | 1.80 | 2.46 | 0.57 | 0.00 | 35 |
| | T40PA003 | PK 19000 | 8.3TON, 3-ARM ARTICULATING &HYD 70' BOOM (ADD FLATBED AND 30,000 GVW TRUCK) | | | $35,021 | 9.12 | 2.56 | 3.50 | 0.81 | 0.00 | 51 |
| | T40PA004 | PK 27000 | 9.0TON, 3-ARM ARTICULATING &HYD 69' BOOM (ADD FLATBED AND 52,000 GVW TRUCK) | | | $52,922 | 13.66 | 3.88 | 5.29 | 1.23 | 0.00 | 61 |
| | T40PA005 | PK 48000 | 12.5TON,2-ARM ARTICULATING &HYD 82' BOOM (ADD FLATBED AND 60,000 GVW TRUCK) | | | $82,162 | 21.08 | 6.02 | 8.22 | 1.91 | 0.00 | 1,072 |
| | T40PA006 | PK 60000 | 14.9TON,2-ARM ARTICULATING &HYD 82' BOOM (ADD FLATBED AND 62,000 GVW TRUCK) | | | $77,554 | 19.91 | 5.68 | 7.76 | 1.80 | 0.00 | 126 |
| | **SUBCATEGORY 0.20** | | **DUMP BODY, REAR** | | | | | | | | | |
| | | | **GALION DUMP BODIES** | | | | | | | | | |
| | T40GN001 | PACKAGE 89-F | 16-23.5 CY DUMP BODY (WITH HOIST) (ADD 36,000 GVW TRUCK) | | | $10,115 | 2.51 | 0.79 | 1.14 | 0.22 | 0.00 | 42 |
| | | | **MIDLAND** | | | | | | | | | |
| | T40MY001 | KLEENSIDE | 4.9 CY, AIR GATE (WITH HOIST) (ADD 24,000 GVW TRUCK) | | | $5,156 | 1.28 | 0.40 | 0.58 | 0.11 | 0.00 | 17 |
| | T40MY002 | KLEENSIDE | 7.5 CY, AIR GATE (WITH HOIST) (ADD 27,000 GVW TRUCK) | | | $5,616 | 1.39 | 0.44 | 0.63 | 0.12 | 0.00 | 21 |
| | T40MY003 | KLEENSIDE | 8.9 CY, AIR GATE (WITH HOIST) (ADD 27,000 GVW TRUCK) | | | $6,316 | 1.57 | 0.50 | 0.71 | 0.14 | 0.00 | 26 |
| | T40MY004 | KLEENSIDE | 10.3 CY, AIR GATE (WITH HOIST) (ADD 36,000 GVW TRUCK) | | | $6,858 | 1.70 | 0.54 | 0.77 | 0.15 | 0.00 | 31 |
| | T40MY005 | KLEENSIDE | 13.2 CY, AIR GATE (WITH HOIST) (ADD 36,000 GVW TRUCK) | | | $7,741 | 1.92 | 0.61 | 0.87 | 0.17 | 0.00 | 33 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.30** | | **FLATBEDS, WITH SIDES** | | | | | | | | | |
| | | | **KNAPHEIDE MANUFACTURING COMPANY** | | | | | | | | | |
| | T40KF011 | | 8' X 8', W/SIDE RACKS | | | $3,172 | 0.70 | 0.23 | 0.32 | 0.07 | 0.00 | 11 |
| | T40KF013 | | 8' X 10', W/SIDE RACKS | | | $3,401 | 0.75 | 0.25 | 0.34 | 0.08 | 0.00 | 14 |
| | T40KF014 | | 8' X 12', W/SIDE RACKS | | | $3,665 | 0.82 | 0.28 | 0.37 | 0.09 | 0.00 | 16 |
| | T40KF016 | | 8' X 16', W/SIDE RACKS | | | $4,353 | 0.96 | 0.32 | 0.44 | 0.10 | 0.00 | 16 |
| | T40KF018 | | 8' X 20', W/SIDE RACKS | | | $5,233 | 1.15 | 0.38 | 0.52 | 0.12 | 0.00 | 18 |
| | T40KF020 | | 8' X 24', W/SIDE RACKS | | | $6,074 | 1.34 | 0.45 | 0.61 | 0.14 | 0.00 | 20 |
| | **SUBCATEGORY 0.41** | | **HOIST, ELECTRIC DRIVE** | | | | | | | | | |
| | | | **KNAPHEIDE MANUFACTURING COMPANY** | | | | | | | | | |
| | T40KF021 | | FLATBED HOIST, 8' TO 14', 7 TON PTO | | | $2,658 | 0.63 | 0.20 | 0.27 | 0.06 | 0.00 | 15 |
| | T40KF022 | | FLATBED HOIST, 16' TO 24', 20 TON PTO | | | $4,986 | 1.19 | 0.37 | 0.50 | 0.12 | 0.00 | 18 |
| | T40KF023 | | FLATBED HOIST, 16' TO 24', 7 TON, ELECT | | | $3,311 | 0.84 | 0.25 | 0.33 | 0.08 | 0.00 | 4 |
| | T40KF024 | | FLATBED HOIST, 16' TO 24', 14 TON, ELECT | | | $3,860 | 0.97 | 0.29 | 0.39 | 0.09 | 0.00 | 6 |
| | **SUBCATEGORY 0.50** | | **TRANSIT MIXERS** | | | | | | | | | |
| | | | **LONDON MACHINERY INC.** | | | | | | | | | |
| | T40LN004 | SERIES 60 | 8.5 CY TRANSIT MIXER | | | $23,104 | 6.10 | 1.75 | 2.45 | 0.52 | 0.00 | 1 |
| | T40LN005 | SERIES 65 | 9.0 CY TRANSIT MIXER | | | $23,612 | 6.23 | 1.79 | 2.51 | 0.53 | 0.00 | 1 |
| | T40LN006 | SERIES 70 | 9.5 CY TRANSIT MIXER | | | $24,110 | 6.34 | 1.82 | 2.56 | 0.54 | 0.00 | 1 |
| | T40LN003 | BRIDGE SPAN20 | 10.0 CY TRANSIT MIXER | | | $34,889 | 9.01 | 2.61 | 3.64 | 0.79 | 0.00 | 1 |
| | T40LN007 | SERIES 80 | 10.5 CY TRANSIT MIXER | | | $24,977 | 6.55 | 1.89 | 2.65 | 0.56 | 0.00 | 1 |
| | T40LN008 | SERIES 85 | 11.5 CY TRANSIT MIXER | | | $25,873 | 6.77 | 1.96 | 2.75 | 0.58 | 0.00 | 1 |
| | T40LN009 | SERIES 90 | 12.0 CY TRANSIT MIXER | | | $26,302 | 6.87 | 1.99 | 2.79 | 0.59 | 0.00 | 1 |
| | T40LN010 | SERIES 90 LP | 12.0 CY TRANSIT MIXER | | | $26,302 | 6.87 | 1.99 | 2.79 | 0.59 | 0.00 | 1 |
| | T40LN011 | SERIES 100 | 13.0 CY TRANSIT MIXER | | | $26,870 | 7.02 | 2.04 | 2.85 | 0.61 | 0.00 | 1 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.60** | | **WATER TANKS** | | | | | | | | | |
| | | | **ROSCO MANUFACTURING COMPANY** | | | | | | | | | |
| | T40RS001 | | 2,000 GAL (ADD 28,000 GVW TRK) | | | $17,776 | 3.83 | 1.27 | 1.67 | 0.43 | 0.00 | 38 |
| | T40RS002 | | 3,000 GAL (ADD 40,000 GVW TRK) | | | $20,669 | 4.45 | 1.46 | 1.94 | 0.49 | 0.00 | 45 |
| | T40RS003 | | 4,000 GAL (ADD 50,000 GVW TRK) | | | $22,878 | 4.92 | 1.62 | 2.14 | 0.55 | 0.00 | 55 |
| | **SUBCATEGORY 0.70** | | **ALL OTHER OPTIONS** | | | | | | | | | |
| | | | **BRODERSON MANUFACTURING COMPANY** | | | | | | | | | |
| | T40BD001 | MN-42-F | GUILLOTINE CONCRETE BREAKER, DEMOLITION 4'DIA PUNCH, FROST CHISEL , 14"LONG DEMO BLADE, OR 12"L X 7"W ASPHALT BLADE, 4X2 | 112 HP D-off | | $89,078 | 28.73 | 6.50 | 8.86 | 2.07 | 5.32 | 105 |
| | | | **WALKER MANUFACTURING COMPANY, INC.** | | | | | | | | | |
| | T40WL001 | 8-13000 | GUILLOTINE CONCRETE BREAKER 8' 3" WIDE, 10' HIGH, 15' 6" LONG (ADD 46,000 GVW TRUCK + FLATBED) | 140 HP D-off | | $112,780 | 36.15 | 8.26 | 11.28 | 2.62 | 6.65 | 275 |
| **T45** | **TRUCK TRAILERS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **BOTTOM DUMP** | | | | | | | | | |
| | | | **MIDLAND** | | | | | | | | | |
| | T45MY001 | CLAMSHELL | 12.8 CY, 16 TON, 29' TANDEM, 2 AXLE | | | $24,150 | 5.60 | 1.42 | 1.81 | 0.51 | 0.00 | 105 |
| | T45MY002 | CLAMSHELL | 13.3 CY, 17 TON, 32' TANDEM, 2 AXLE | | | $24,643 | 5.71 | 1.45 | 1.86 | 0.52 | 0.00 | 116 |
| | T45MY003 | CLAMSHELL | 14.4 CY, 19 TON, 40' TANDEM, 2 AXLE | | | $27,851 | 6.36 | 1.67 | 2.15 | 0.59 | 0.00 | 145 |
| | T45MY004 | CLAMSHELL | 20.0 CY,26 TON, 42' TANDEM, 2 AXLE | | | $29,089 | 6.61 | 1.75 | 2.26 | 0.62 | 0.00 | 152 |
| | T45MY005 | CLAMSHELL | 21.9 CY, 30 TON, 38' TRIAXLE | | | $30,537 | 7.12 | 1.76 | 2.21 | 0.65 | 0.00 | 138 |
| | T45MY006 | CLAMSHELL | 22.7 CY, 30 TON, 40' TRIAXLE | | | $31,286 | 7.28 | 1.81 | 2.28 | 0.67 | 0.00 | 145 |
| | T45MY007 | CLAMSHELL | 24.6 CY, 32 TON, 42' TRIAXLE | | | $32,490 | 7.52 | 1.89 | 2.39 | 0.69 | 0.00 | 152 |
| | T45MY008 | CROSS DUMP | 19.4 CY, 25 TON, 29' TANDEM, 2 AXLE | | | $21,900 | 5.16 | 1.28 | 1.61 | 0.47 | 0.00 | 105 |
| | T45MY009 | CROSS DUMP | 20.1 CY, 26 TON, 32' TANDEM, 2 AXLE | | | $22,413 | 5.26 | 1.31 | 1.66 | 0.48 | 0.00 | 116 |
| | T45MY010 | CROSS DUMP | 21.4 CY, 28 TON, 40' TANDEM, 2 AXLE | | | $24,728 | 5.73 | 1.47 | 1.87 | 0.53 | 0.00 | 145 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T45* | | | ***MIDLAND (continued)*** | | | | | | | | | |
| | T45MY011 | CROSS DUMP | 21.7 CY, 28 TON, 42' TANDEM, 2 AXLE | | | $25,932 | 5.96 | 1.54 | 1.97 | 0.55 | 0.00 | 152 |
| | T45MY012 | CROSS DUMP | 20.4 CY, 26 TON, 38' TRIAXLE | | | $27,746 | 6.55 | 1.57 | 1.96 | 0.59 | 0.00 | 138 |
| | T45MY013 | CROSS DUMP | 21.3 CY, 28 TON, 40' TRIAXLE | | | $28,319 | 6.67 | 1.61 | 2.01 | 0.60 | 0.00 | 145 |
| | T45MY014 | CROSS DUMP | 24.6 CY, 32 TON, 42' TRIAXLE | | | $29,523 | 6.92 | 1.69 | 2.12 | 0.63 | 0.00 | 152 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX001 | | 18 CY, 27 TON | | | $37,377 | 8.18 | 2.38 | 3.18 | 0.79 | 0.00 | 122 |
| | T45XX002 | | 20 CY, 30 TON | | | $44,297 | 9.57 | 2.84 | 3.80 | 0.94 | 0.00 | 140 |
| | T45XX003 | | 30 CY, 30 TON | | | $44,890 | 9.70 | 2.88 | 3.86 | 0.95 | 0.00 | 160 |
| | T45XX004 | | 28 CY, 42 TON | | | $53,402 | 11.63 | 3.37 | 4.45 | 1.14 | 0.00 | 180 |
| | T45XX005 | | 20 CY, 35 TON, OFF-HIGHWAY | | | $62,700 | 13.40 | 4.02 | 5.38 | 1.33 | 0.00 | 175 |
| | T45XX006 | | 32 CY, 55 TON, OFF-HIGHWAY | | | $132,198 | 32.92 | 8.09 | 10.55 | 2.81 | 0.00 | 365 |
| | T45XX007 | | 43 CY, 70 TON, OFF-HIGHWAY | | | $147,557 | 36.03 | 9.11 | 11.93 | 3.14 | 0.00 | 445 |
| | **SUBCATEGORY 0.20** | | **END DUMP** | | | | | | | | | |
| | | | **FRUEHAUF TRAILER CORPORATION** | | | | | | | | | |
| | T45FH001 | DFSL24-33 | 17 CY, END DUMP TRAILER | | | $26,413 | 5.43 | 1.64 | 2.16 | 0.56 | 0.00 | 98 |
| | | | **MIDLAND** | | | | | | | | | |
| | T45MY015 | XL 2000-24' | 28 CY, 36 TON, 2 AXLE (WITH HOIST) | | | $23,829 | 5.52 | 1.41 | 1.79 | 0.51 | 0.00 | 115 |
| | T45MY016 | XL 2000-29' | 28 CY, 36 TON, 2 AXLE (WITH HOIST) | | | $25,717 | 5.89 | 1.53 | 1.96 | 0.55 | 0.00 | 130 |
| | T45MY017 | XL 3000-35' | 34 CY, 44 TON, 3 AXLE (WITH HOIST) | | | $29,375 | 6.83 | 1.68 | 2.11 | 0.62 | 0.00 | 170 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX008 | | 20 CY, 24 TON | | | $49,452 | 10.31 | 3.19 | 4.27 | 1.05 | 0.00 | 146 |
| | **SUBCATEGORY 0.30** | | **PUP TRAILER** | | | | | | | | | |
| | | | **MIDLAND** | | | | | | | | | |
| | T45MY018 | PONY PUP | 10 CY, 13 TON, 2 AXLE (WITH HOIST) | | | $18,207 | 4.94 | 1.20 | 1.60 | 0.40 | 0.00 | 80 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX009 | | 8 CY, LONG TONGUE | | | $29,360 | 7.36 | 2.18 | 3.07 | 0.64 | 0.00 | 86 |
| | T45XX010 | | 10 CY, LONG TONGUE | | | $29,579 | 7.43 | 2.20 | 3.10 | 0.65 | 0.00 | 86 |
| | **SUBCATEGORY 0.41** | | **LOWBOY, RIGID NECK, DROP DECK** | | | | | | | | | |
| | | | **EAGER BEAVER** | | | | | | | | | |
| | T45EA006 | GSL | 35 TON, DETATCHABLE GOOSENECK, 2 AXLE, 2 AXLE, 8'6"W X 22' L | | | $29,783 | 5.96 | 1.72 | 2.18 | 0.63 | 0.00 | 150 |
| | T45EA007 | 50GSL/3 | 50 TON, DETATCHABLE GOOSENECK, 3 AXLE, 3 AXLE, 8'6"W X 24' L | | | $47,066 | 9.37 | 2.75 | 3.49 | 1.00 | 0.00 | 205 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX011 | | 25 TON, 2 AXLE | | | $29,088 | 5.77 | 1.85 | 2.45 | 0.62 | 0.00 | 89 |
| | T45XX012 | | 30 TON, 2 AXLE | | | $32,483 | 6.34 | 2.08 | 2.77 | 0.69 | 0.00 | 94 |
| | T45XX013 | | 35 TON, 2 AXLE | | | $35,494 | 6.92 | 2.26 | 3.01 | 0.75 | 0.00 | 109 |
| | T45XX014 | | 35 TON, 3 AXLE | | | $40,937 | 8.08 | 2.59 | 3.43 | 0.87 | 0.00 | 134 |
| | T45XX015 | | 40 TON, 3 AXLE | | | $42,762 | 8.37 | 2.72 | 3.62 | 0.91 | 0.00 | 144 |
| | T45XX016 | | 50 TON, 3 AXLE | | | $49,180 | 9.57 | 3.13 | 4.15 | 1.05 | 0.00 | 161 |
| | T45XX017 | | 60 TON, 3 AXLE | | | $53,251 | 10.49 | 3.32 | 4.37 | 1.13 | 0.00 | 188 |
| | T45XX018 | | 70 TON, 3 AXLE | | | $64,550 | 12.48 | 4.07 | 5.39 | 1.37 | 0.00 | 213 |
| | T45XX019 | | 75 TON, 3 AXLE | | | $66,621 | 12.86 | 4.21 | 5.58 | 1.42 | 0.00 | 228 |
| | T45XX020 | | 80 TON, 4 AXLE | | | $76,059 | 14.55 | 4.86 | 6.48 | 1.62 | 0.00 | 266 |
| | T45XX021 | | 90 TON, 4 AXLE | | | $82,053 | 15.75 | 5.19 | 6.90 | 1.74 | 0.00 | 297 |
| | T45XX022 | | 100 TON, 4 AXLE | | | $91,483 | 17.54 | 5.79 | 7.68 | 1.95 | 0.00 | 313 |
| | T45XX023 | | 120 TON, 4 AXLE | | | $106,182 | 20.37 | 6.67 | 8.82 | 2.26 | 0.00 | 351 |
| | T45XX024 | | HELPER DOLLY (60 TON TRAILER MAX) | | | $25,067 | 4.77 | 1.57 | 2.07 | 0.53 | 0.00 | 62 |
| | **SUBCATEGORY 0.50** | | **FLATBED TRAILER** | | | | | | | | | |
| | | | **FRUEHAUF TRAILER CORPORATION** | | | | | | | | | |
| | T45FH002 | SELECT SERIES | 48' LONG, 2 AXLE, 80,000 LB. CAPACITY | | | $18,880 | 3.62 | 1.15 | 1.50 | 0.40 | 0.00 | 104 |
| | T45FH003 | PBH-HV DUTY | 48' LONG, 2 AXLE, 100,000 LB. CAPACITY | | | $19,304 | 3.70 | 1.18 | 1.54 | 0.41 | 0.00 | 115 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX025 | | 25 TON, 2 AXLE | | | $24,113 | 8.52 | 1.51 | 1.99 | 0.51 | 0.00 | 110 |
| | **SUBCATEGORY 0.60** | | **MISCELLANEOUS / UTILITY** | | | | | | | | | |
| | | | **EAGER BEAVER** | | | | | | | | | |
| | T45EA002 | AP10 | 5 TON, UTILITY, 2 AXLE, 6.5' W X 15' L WITH RAMPS, PINTAL HITCH | | | $5,078 | 1.02 | 0.30 | 0.37 | 0.11 | 0.00 | 22 |
| | T45EA003 | HDB 10 | 10 TON, UTILITY, 2 AXLE, 8' W X 24' L | | | $10,350 | 2.15 | 0.58 | 0.71 | 0.22 | 0.00 | 58 |
| | T45EA004 | 10TXT | 10 TON, TILT BED, 2 AXLE, 8'W X 20' L | | | $13,485 | 2.70 | 0.79 | 0.99 | 0.29 | 0.00 | 60 |
| | T45EA005 | 20TXT | 20 TON, TILT BED, 2 AXLE, 8'W X 24' L | | | $19,585 | 4.23 | 1.03 | 1.22 | 0.42 | 0.00 | 80 |
| | | | **TRAIL KING** | | | | | | | | | |
| | T45TT001 | TK6U | 3 TON, UTILITY, 2 AXLE, 7'11"W X 12'L | | | $3,853 | 0.73 | 0.24 | 0.31 | 0.08 | 0.00 | 19 |
| | T45TT002 | TK8U | 4 TON, UTILITY, 2 AXLE, 7'11.5"W X 14'L | | | $4,166 | 0.80 | 0.26 | 0.34 | 0.09 | 0.00 | 22 |
| | T45TT003 | TK10U | 5 TON, UTILITY, 2 AXLE, 7'11.5"W X 16'L | | | $4,640 | 0.89 | 0.29 | 0.37 | 0.10 | 0.00 | 23 |
| | T45TT004 | TK12U | 6 TON, UTILITY, 2 AXLE, 9'6"W X 16'L | | | $5,280 | 1.00 | 0.33 | 0.43 | 0.11 | 0.00 | 27 |
| | T45TT005 | TK18U | 9 TON, UTILITY, 3 AXLE, 8'6"W X 20'L | | | $7,335 | 1.36 | 0.47 | 0.61 | 0.16 | 0.00 | 38 |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX026 | | 12 TON, 2 AXLE | | | $15,759 | 3.36 | 0.99 | 1.30 | 0.34 | 0.00 | 62 |
| | T45XX027 | | 16 TON, 2 AXLE | | | $18,008 | 3.82 | 1.11 | 1.45 | 0.38 | 0.00 | 65 |
| | T45XX028 | | 20 TON, 2 AXLE | | | $19,559 | 4.18 | 1.19 | 1.54 | 0.42 | 0.00 | 67 |
| | **SUBCATEGORY 0.70** | | **WATER TANKER TRAILER** | | | | | | | | | |
| | | | **NO SPECIFIC MANUFACTURER** | | | | | | | | | |
| | T45XX029 | | 4,000 GAL, WITH PUMP | 63 HP D-off | | $44,646 | 11.93 | 2.68 | 3.26 | 1.05 | 2.99 | 120 |
| | T45XX030 | | 5,000 GAL, WITH PUMP | 63 HP D-off | | $47,350 | 12.53 | 2.80 | 3.37 | 1.11 | 2.99 | 150 |
| | T45XX031 | | 6,000 GAL, WITH PUMP | 63 HP D-off | | $49,481 | 12.91 | 2.93 | 3.53 | 1.16 | 2.99 | 160 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.80** | | **DECONTAMINATION FACILITY** | | | | | | | | | |
| | | | **HAZCO** | | | | | | | | | |
| | T45HA001 | | 24 FOOT, 4 SHOWER UNIT | | | $29,695 | 7.40 | 2.08 | 2.74 | 0.71 | 0.00 | 35 |
| | T45HA002 | | 30 FOOT, 4 SHOWER UNIT | | | $35,837 | 8.92 | 2.52 | 3.31 | 0.86 | 0.00 | 45 |
| | T45HA003 | | 40 FOOT, 6 SHOWER UNIT | | | $47,784 | 11.80 | 3.34 | 4.40 | 1.14 | 0.00 | 60 |
| | **SUBCATEGORY 0.90** | | **TANK TRAILERS** | | | | | | | | | |
| | | | **WARNER FRUEHAUF TRAILER COMPANY, INC.** | | | | | | | | | |
| | T45WR001 | TEV-F2-R-5500 | 5500 GAL VAC. TANK TRLR, SA285C PRESS VESSEL STEEL, STRAIGHT FRAME CONSTR. | | | $54,299 | 11.00 | 3.22 | 3.89 | 1.27 | 0.00 | 144 |
| | T45WR002 | TKV-F2-R-5500 | 5500 GAL VAC. TANK TRLR, T316L S.S VESSEL, STRAIGHT FRAME CONSTR. | | | $77,814 | 15.56 | 4.66 | 5.65 | 1.83 | 0.00 | 145 |
| | T45WR003 | TKX-F2-R-7000 | 7000 GAL INSUL. TANK TRLR, T316L S.S. VESSEL, STRAIGHT FRAME CONSTR. | | | $67,331 | 13.58 | 4.02 | 4.87 | 1.58 | 0.00 | 129 |
| | T45WR004 | TEV-F2-W-5500 | 7000 GAL INSUL. TANK TRLR, T316L S.S. VESSEL, ASYMMETRICAL DOUBLE CONICAL CONSTRUCTION | | | $53,982 | 11.06 | 3.21 | 3.87 | 1.27 | 0.00 | 129 |
| | T45WR005 | TEV-F2-R-5000 | 5000 GAL CORROSIVE TANK TRLR, T316L S.S. VESSEL, STRAIGHT FRAME CONSTR. | | | $53,581 | 10.88 | 3.18 | 3.84 | 1.26 | 0.00 | 110 |
| **T50** | **TRUCKS, HIGHWAY (add attachments as required)** | | | | | | | | | | | |
| | **SUBCATEGORY 0.01** | | **0 THRU 10,000 GVW** | | | | | | | | | |
| | | | **FORD MOTOR COMPANY** | | | | | | | | | |
| | T50FO001 | F150 | 4,900 GVW (1/2 TON PICKUP) 4x2 | 117 HP G | | $14,672 | 8.11 | 1.05 | 1.42 | 0.34 | 3.33 | 34 |
| | T50FO002 | F150 | 6,250 GVW (1/2 TON PICKUP) 4X4 | 117 HP G | | $17,131 | 8.73 | 1.24 | 1.67 | 0.40 | 3.33 | 38 |
| | T50FO003 | F250 HD | 8,600 GVW (3/4 TON PICKUP) 4X2 | 117 HP G | | $16,147 | 8.56 | 1.15 | 1.53 | 0.38 | 3.33 | 39 |
| | T50FO004 | F250 HD | 8,800 GVW (3/4 TON PICKUP) 4X4 | 137 HP G | | $18,607 | 9.97 | 1.32 | 1.78 | 0.43 | 3.90 | 43 |
| | T50FO005 | F350 | 10, 000 GVW (1 TON PICKUP) 4X2 | 137 HP G | | $19,268 | 10.21 | 1.36 | 1.81 | 0.45 | 3.90 | 44 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **GMC AND CHEVROLET** | | | | | | | | | | |
| | T50GM001 | S10 | 3,500 GVW (COMPACT PICKUP) 4X2 | 92 HP | G | | $11,374 | 6.36 | 0.81 | 1.09 | 0.26 | 2.62 | 26 |
| | T50GM002 | S10 | 3,825 GVW (COMPACT PICKUP) 4X4 | 110 HP | G | | $13,813 | 7.65 | 0.99 | 1.34 | 0.32 | 3.14 | 29 |
| | T50GM003 | C14 | 5,600 GVW (1/2 TON PICKUP) 4X2 | 140 HP | G | | $14,575 | 8.99 | 1.05 | 1.41 | 0.34 | 3.99 | 37 |
| | T50GM004 | R26 | 8,600 GVW (SUBURBAN) 4X2 | 165 HP | G | | $26,754 | 12.81 | 1.94 | 2.63 | 0.62 | 4.70 | 47 |
| | T50GM005 | V26 | 8,600 GVW (SUBURBAN) 4X4 | 165 HP | G | | $29,284 | 13.44 | 2.12 | 2.88 | 0.68 | 4.70 | 50 |
| | T50GM006 | C24 HD | 8,600 GVW (3/4 TON PICKUP) 4X2 | 165 HP | G | | $17,691 | 10.75 | 1.26 | 1.70 | 0.41 | 4.70 | 40 |
| | T50GM007 | K24 HD | 8,600 GVW (3/4 TON PICKUP) 4X4 | 165 HP | G | | $20,291 | 11.42 | 1.45 | 1.96 | 0.47 | 4.70 | 44 |
| | T50GM008 | C34 | 10,000 GVW (1 TON PICKUP) 4X2 | 165 HP | G | | $17,817 | 10.82 | 1.26 | 1.70 | 0.41 | 4.70 | 40 |
| | T50GM009 | K34 | 10,000 GVW (3500 PICKUP) 4X4 | 165 HP | G | | $20,419 | 11.49 | 1.45 | 1.96 | 0.47 | 4.70 | 44 |
| | **SUBCATEGORY 0.02** | | **OVER 10,000 THRU 30,000 GVW(CHASSIS ONLY-ADD OPTIONS)** | | | | | | | | | | |
| | | | **FORD MOTOR COMPANY** | | | | | | | | | | |
| | T50FO006 | F600 | 21,000 GVW, 2 AXLE, 4X2, | 175 HP | G | | $24,583 | 20.99 | 1.50 | 1.88 | 0.56 | 11.64 | 64 |
| | T50FO007 | F600 | 21,000 GVW, 2 AXLE, 4X2 | 170 HP | D-on | | $26,464 | 13.34 | 1.62 | 2.03 | 0.60 | 6.12 | 72 |
| | T50FO008 | F700 | 23,000 GVW, 2 AXLE, 4X2 | 213 HP | D-on | | $25,715 | 15.28 | 1.57 | 1.97 | 0.58 | 7.67 | 65 |
| | T50FO009 | F700 | 23,000 GVW, 2 AXLE, 4X2 | 216 HP | D-on | | $28,193 | 15.89 | 1.73 | 2.17 | 0.64 | 7.78 | 75 |
| | T50FO010 | F800 | 24,500 GVW, 2 AXLE, 4X2 | 160 HP | G | | $34,079 | 21.41 | 2.08 | 2.62 | 0.77 | 10.64 | 74 |
| | T50FO011 | F800 | 24,500 GVW, 2 AXLE, 4X2 | 210 HP | D-on | | $38,711 | 17.82 | 2.34 | 2.92 | 0.88 | 7.56 | 83 |
| | | | **GMC AND CHEVROLET** | | | | | | | | | | |
| | T50GM017 | W4T042 | 14,250 GVW, 2 AXLE, 4X2 | 135 HP | D-on | | $21,103 | 10.57 | 1.30 | 1.63 | 0.48 | 4.86 | 45 |
| | T50GM011 | C6H042 | 25,000 GVW, 2 AXLE, 4X2 | 210 HP | G | | $27,965 | 24.86 | 1.72 | 2.15 | 0.64 | 13.97 | 69 |
| | T50GM012 | C6H042 | 25,000 GVW, 2 AXLE, 4X2 | 170 HP | D-on | | $32,369 | 14.44 | 1.99 | 2.50 | 0.74 | 6.12 | 76 |
| | T50GM013 | C7H042 | 27,100 GVW, 2 AXLE, 4X2 | 210 HP | G | | $28,229 | 24.96 | 1.72 | 2.15 | 0.64 | 13.97 | 72 |
| | T50GM014 | C7H042 | 27,100 GVW, 2 AXLE, 4X2 | 170 HP | D-on | | $33,154 | 14.74 | 2.01 | 2.52 | 0.75 | 6.12 | 79 |
| | | | **HINO DIESEL TRUCKS** | | | | | | | | | | |
| | T50HN001 | FA1517/1 | 15,000 GVW, 2 AXLE, 4X2 | 168 HP | D-on | | $29,452 | 13.84 | 1.80 | 2.26 | 0.67 | 6.05 | 59 |
| | T50HN002 | FB1817/2 | 17,600 GVW, 2 AXLE, 4X2 | 168 HP | D-on | | $31,457 | 14.20 | 1.92 | 2.42 | 0.71 | 6.05 | 62 |
| | T50HN003 | FD2220/5 | 22,300 GVW, 2 AXLE, 4X2 | 200 HP | D-on | | $40,649 | 17.51 | 2.49 | 3.14 | 0.92 | 7.20 | 82 |
| | T50HN004 | FE2620/8 | 25,995 GVW, 2 AXLE, 4X2 | 200 HP | D-on | | $43,247 | 18.44 | 2.58 | 3.19 | 0.98 | 7.20 | 96 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T50* | | | *HINO DIESEL TRUCKS (continued)* | | | | | | | | | |
| | T50HN005 | FF3020/8 | 30,000 GVW, 2 AXLE, 4X2 | 200 HP D-on | | $48,474 | 19.41 | 2.91 | 3.61 | 1.10 | 7.20 | 100 |
| | | | **NAVISTAR INTERNATIONAL CORPORATION** | | | | | | | | | |
| | T50IT002 | 4700 SC | 21,500 GVW, 2 AXLE, 4X2 | 175 HP D-on | | $38,807 | 15.88 | 2.39 | 3.02 | 0.88 | 6.30 | 76 |
| | T50IT003 | 4900 SD | 25,500 GVW, 2 AXLE, 4X2 | 195 HP D-on | | $47,378 | 18.42 | 2.93 | 3.70 | 1.08 | 7.02 | 83 |
| | | | **MITSUBISHI FUSO TRUCK OF AMERICA** | | | | | | | | | |
| | T50MH001 | FE639L | 11,600 GVW, 2 AXLE, 4X2, AUTOMATIC | 135 HP D-on | | $26,392 | 11.67 | 1.61 | 2.01 | 0.60 | 4.86 | 48 |
| | T50MH010 | FG639T | 12,000 GVW, 2 AXLE, 4X2, MANUAL | 135 HP D-on | | $30,991 | 12.53 | 1.90 | 2.39 | 0.70 | 4.86 | 120 |
| | T50MH002 | FE639T | 13,500 GVW, 2 AXLE, 4X2, AUTOMATIC | 135 HP D-on | | $27,253 | 11.84 | 1.66 | 2.08 | 0.62 | 4.86 | 48 |
| | T50MH009 | FE649T | 14,500 GVW, 2 AXLE, 4X2, AUTOMATIC | 145 HP D-on | | $30,904 | 13.00 | 1.89 | 2.38 | 0.70 | 5.22 | 145 |
| | T50MH003 | FH211T | 17,198 GVW, 2 AXLE, 4X2, AUTOMATIC | 175 HP D-on | | $36,061 | 15.40 | 2.22 | 2.79 | 0.82 | 6.30 | 63 |
| | T50MH004 | FK617T | 23,000 GVW, 2 AXLE, 4X2, AUTOMATIC | 200 HP D-on | | $43,687 | 18.21 | 2.66 | 3.33 | 0.99 | 7.20 | 82 |
| | T50MH005 | FM617L | 25,995 GVW, 2 AXLE, 4X2, AUTOMATIC | 200 HP D-on | | $46,316 | 18.54 | 2.85 | 3.59 | 1.05 | 7.20 | 88 |
| | T50MH006 | FM617T | 30,000 GVW, 2 AXLE, 4X2, AUTOMATIC | 200 HP D-on | | $50,084 | 19.72 | 3.01 | 3.74 | 1.14 | 7.20 | 90 |
| | **SUBCATEGORY 0.03** | | **OVER 30,000 GVW (CHASSIS ONLY-ADD OPTIONS)** | | | | | | | | | |
| | | | **FORD MOTOR COMPANY** | | | | | | | | | |
| | T50FO015 | LNT8000 | 43,000 GVW, 80,000 GCW, 3 AXLE, 6X4 | 210 HP D-on | | $62,898 | 25.55 | 3.42 | 4.01 | 1.41 | 10.92 | 117 |
| | T50FO013 | LT8000 | 43,000 GVW, 3 AXLE, 6X4 | 210 HP D-on | | $63,534 | 25.62 | 3.46 | 4.07 | 1.42 | 10.92 | 119 |
| | T50FO014 | LTS8000 | 43,000 GVW, 3 AXLE, 6X4 | 210 HP D-on | | $65,432 | 25.95 | 3.55 | 4.18 | 1.46 | 10.92 | 122 |
| | T50FO019 | LNT9000 | 43,000 GVW, 138,000 GCW, 3 AXLE, 6X4 | 260 HP D-on | | $109,009 | 36.98 | 5.91 | 6.94 | 2.44 | 13.52 | 130 |
| | T50FO017 | LT9000 | 43,000 GVW, 3 AXLE, 6X4 | 260 HP D-on | | $109,597 | 37.02 | 5.95 | 7.00 | 2.45 | 13.52 | 133 |
| | T50FO018 | LTS9000 | 46,000 GVW, 3 AXLE, 6X4, | 260 HP D-on | | $112,509 | 37.54 | 6.11 | 7.18 | 2.52 | 13.52 | 138 |
| | | | **GMC AND CHEVROLET** | | | | | | | | | |
| | T50GM016 | C7H064 | 46,000 GVW, 3 AXLE, 6X4 | 215 HP D-on | | $54,610 | 24.67 | 2.95 | 3.45 | 1.22 | 11.18 | 118 |
| | T50GM015 | C7H064 | 46,000 GVW, 3 AXLE, 6X4 | 255 HP G | | $46,714 | 42.50 | 2.50 | 2.92 | 1.04 | 24.23 | 112 |
| | | | **HINO DIESEL TRUCKS** | | | | | | | | | |
| | T50HN006 | SG3325 | 32,900 GVW, 2 AXLE, 4X2 | 252 HP D-on | | $54,193 | 27.32 | 2.91 | 3.39 | 1.21 | 13.10 | 105 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***T50*** | | | ***HINO DIESEL TRUCKS (continued)*** | | | | | | | | | |
| | T50HN007 | SG5523 | 55,000 GVW, 2 AXLE, 4X2 | 225 HP D-on | | $59,930 | 26.31 | 3.23 | 3.77 | 1.34 | 11.70 | 107 |
| | | | **NAVISTAR INTERNATIONAL CORPORATION** | | | | | | | | | |
| | T50IT004 | 4900 SH | 40,000 GVW, 3 AXLE, 6X4 | 195 HP D-on | | $70,925 | 25.83 | 3.86 | 4.54 | 1.59 | 10.14 | 119 |
| | T50IT008 | 4900 SJ | 43,000 GVW, AXLE, 6X6 | 195 HP D-on | | $89,125 | 28.69 | 4.87 | 5.75 | 1.99 | 10.14 | 126 |
| | T50IT011 | 9300 FA | 32,000 GVW, 80,000 GCW, 3 AXLE, 4X2 | 280 HP D-on | | $111,555 | 39.04 | 6.02 | 7.06 | 2.49 | 14.56 | 111 |
| | T50IT010 | 2574 ZM | 35,000 GVW, 60,000 GCW, 3 AXLE, 4X2 | 275 HP D-on | | $88,881 | 35.11 | 4.77 | 5.55 | 1.99 | 14.30 | 106 |
| | T50IT012 | 9300 FB | 46,000 GVW, 90,000 GCW, 3 AXLE, 6X4 | 280 HP D-on | | $125,538 | 41.26 | 6.81 | 8.00 | 2.81 | 14.56 | 138 |
| | T50IT007 | 5000 TN | 52,350 GVW, 60,000 GCW, 3 AXLE, 6X6 | 275 HP D-on | | $152,738 | 44.41 | 8.42 | 9.99 | 3.42 | 14.30 | 165 |
| | T50IT005 | 5000 TG | 56,000 GVW, 60,000 GCW, 3 AXLE, 6X4 | 275 HP D-on | | $121,270 | 39.44 | 6.66 | 7.89 | 2.71 | 14.30 | 144 |
| | | | **KENWORTH TRUCK COMPANY** | | | | | | | | | |
| | T50KE001 | T800B | 33,000 GVW, 76,800 GCW, 2 AXLE, 4X2 | 330 HP D-on | | $92,126 | 38.44 | 5.07 | 6.02 | 2.06 | 17.16 | 119 |
| | T50KE002 | T600B | 33,000 GVW, 76,800 GCW, 2 AXLE, 4X2 | 330 HP D-on | | $94,015 | 38.73 | 5.17 | 6.14 | 2.10 | 17.16 | 121 |
| | T50KE005 | W900B | 50,000 GVW, 85,000 GCW, 3 AXLE, 6X4 | 330 HP D-on | | $101,410 | 40.29 | 5.55 | 6.55 | 2.27 | 17.16 | 139 |
| | T50KE004 | K100E | 50,000 GVW, 85,000 GCW, 3 AXLE, 6X4 | 330 HP D-on | | $102,251 | 40.43 | 5.60 | 6.61 | 2.29 | 17.16 | 143 |
| | T50KE003 | C500B | 50,000 GVW, 3 AXLE, 6X4 | 330 HP D-on | | $109,258 | 41.53 | 5.98 | 7.08 | 2.44 | 17.16 | 144 |
| | | | **MITSUBISHI FUSO TRUCK OF AMERICA** | | | | | | | | | |
| | T50MH007 | FM657 | 32,900 GVW, 2 AXLE, 4X2, MANUAL | 200 HP D-on | | $49,284 | 22.86 | 2.63 | 3.06 | 1.10 | 10.40 | 99 |
| | T50MH008 | FM657 | 32,900 GVW, 2 AXLE, 4X2, MANUAL | 230 HP D-on | | $51,464 | 25.34 | 2.76 | 3.21 | 1.15 | 11.96 | 103 |
| | T50MH011 | FW657T | 32,900 GVW, 2 AXLE, 4X2, MANUAL | 230 HP D-on | | $56,944 | 26.20 | 3.06 | 3.57 | 1.27 | 11.96 | 329 |
| | | | **MACK TRUCKS, INC.** | | | | | | | | | |
| | T50MT012 | CH612 | 35,000 GVW, CONV TRACTOR, 4X2 | 350 HP D-on | | $84,229 | 38.47 | 4.65 | 5.53 | 1.88 | 18.20 | 114 |
| | T50MT016 | CH613 | 50,000 GVW, CONV TRACT, 6X6, CHASIS ONLY | 400 HP D-on | | $101,274 | 44.85 | 5.58 | 6.63 | 2.26 | 20.80 | 143 |
| | T50MT014 | RM6906S | 60,000 GVW, CONV MIXER, 6X6, CHASIS ONLY | 300 HP D-on | | $121,679 | 41.11 | 6.71 | 7.97 | 2.72 | 15.60 | 172 |
| | T50MT013 | RD8905 | 64,000 GVW, CONV TRACTOR, 6X4 | 350 HP D-on | | $116,941 | 43.64 | 6.48 | 7.71 | 2.62 | 18.20 | 206 |
| | T50MT015 | RD6906SX | 74,000 GVW, CONV MIXER, 6X6, CHASIS ONLY | 300 HP D-on | | $132,973 | 42.88 | 7.33 | 8.72 | 2.97 | 15.60 | 199 |
| | T50MT007 | RD690SX | 76,000 GVW CONV. DUMPER 6X4, CHASIS ONLY | 300 HP D-on | | $113,472 | 39.55 | 6.28 | 7.48 | 2.54 | 15.60 | 199 |

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

| CAT | ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T50* | | | *MACK TRUCKS, INC. (continued)* | | | | | | | | | |
| | T50MT008 | DM690SX | 78,000 GVW, CONV DUMPER/MIXER, 6X4, CHASIS ONLY | 300 HP D-on | | $113,471 | 39.55 | 6.28 | 7.48 | 2.54 | 15.60 | 197 |
| | | | **PETERBILT MOTORS COMPANY** | | | | | | | | | |
| | T50PE007 | 379 5H | 35,000 GVW, 2 AXLE, 4X2 | 350 HP D-on | | $99,166 | 41.04 | 5.45 | 6.46 | 2.22 | 18.20 | 116 |
| | T50PE005 | 357 AA | 43,000 GVW, 100,000 GCW, 3 AXLE, 4X2 | 350 HP D-on | | $99,623 | 42.13 | 5.37 | 6.27 | 2.23 | 18.20 | 134 |
| | T50PE002 | 378 FD | 46,000 GVW, 110000 GCW, 3 AXLE, 6X4 | 350 HP D-on | | $102,488 | 42.58 | 5.52 | 6.46 | 2.29 | 18.20 | 137 |
| | T50PE004 | 379 5D | 46,000 GVW, 110000 GCW, 3 AXLE, 6X4 | 350 HP D-on | | $105,402 | 43.04 | 5.69 | 6.65 | 2.36 | 18.20 | 137 |
| | T50PE003 | 362 6D | 50,000 GVW, 110000 GCW, 3 AXLE, 6X4 | 350 HP D-on | | $107,626 | 43.39 | 5.81 | 6.80 | 2.41 | 18.20 | 141 |
| | T50PE006 | 320 | 69,000 GVW, 3 AXLE, 6X4 | 300 HP D-on | | $95,659 | 37.96 | 5.14 | 6.00 | 2.14 | 15.60 | 158 |
| **T55** | **TRUCKS, OFF-HIGHWAY** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **RIGID FRAME** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | T55CA008 | D25D | 18 CY, 25 TON, REAR DUMP,P/S 4X4 | 260 HP D-off | | $315,086 | 40.48 | 10.78 | 8.61 | 6.47 | 6.74 | 471 |
| | T55CA009 | D30D | 22 CY, 30 TON, REAR DUMP,P/S,4X4 | 285 HP D-off | | $369,438 | 47.36 | 12.63 | 10.07 | 7.59 | 7.39 | 519 |
| | T55CA001 | 769D | 22-30 CY, 35 TON, REAR DUMP, P/S | 450 HP D-off | | $497,501 | 68.17 | 16.98 | 13.52 | 10.22 | 11.66 | 743 |
| | T55CA007 | 769D | 31.7 CY, 41.6 TON, REAR DUMP, PS, 4X4 | 450 HP D-off | | $530,495 | 70.64 | 18.13 | 14.45 | 10.90 | 11.66 | 740 |
| | T55CA002 | 773D | 46.9 CY, 57.7 TON, REAR DUMP, P/S, 4X4 | 650 HP D-off | | $718,832 | 90.26 | 24.48 | 19.43 | 14.76 | 16.85 | 955 |
| | T55CA003 | 777D | 78.6 CY, 100.0 TON, REAR DUMP, P/S, 4X4 | 870 HP D-off | | $1,083,288 | 131.32 | 36.92 | 29.33 | 22.25 | 22.55 | 1,542 |
| | | | **EUCLID INDUSTRIES** | | | | | | | | | |
| | T55EU006 | R40C | 27-36 CY, 40 TON, REAR DUMP, P/S, RIGID | 525 HP D-off | | $362,146 | 54.00 | 12.29 | 9.70 | 7.44 | 13.61 | 1,620 |
| | T55EU007 | R60C | 33-47 CY, 60 TON, REAR DUMP, P/S, RIGID | 700 HP D-off | | $485,697 | 74.63 | 16.39 | 12.82 | 9.98 | 18.14 | 2,240 |
| | T55EU008 | R65C | 37-51 CY, 72 TON, REAR DUMP, P/S, RIGID | 760 HP D-off | | $528,859 | 80.12 | 17.89 | 14.05 | 10.86 | 19.70 | 2,390 |
| | T55EU009 | R90 | 47-69 CY, 95 TON, REAR DUMP, P/S, RIGID | 1,050 HP D-off | | $709,351 | 109.98 | 23.94 | 18.73 | 14.57 | 27.22 | 3,300 |
| | | | **KOMATSU DRESSER COMPANY** | | | | | | | | | |
| | T55KM009 | HD325-6 | 31.4 CY, 44 TON, MECH REAR DUMP, PS, 4X4 | 488 HP D-off | | $501,065 | 69.86 | 17.10 | 13.62 | 10.29 | 12.65 | 1,590 |
| | T55KM010 | HD465-5 | 44.7 CY, 61 TON, MECH REAR DUMP, PS, 4X4 | 715 HP D-off | | $732,917 | 104.15 | 24.97 | 19.84 | 15.05 | 18.53 | 2,119 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T55* | | | ***KOMATSU DRESSER COMPANY (continued)*** | | | | | | | | | |
| | T55KM011 | HD605-5 | 52.3 CY, 67 TON, MECH REAR DUMP, PS, 4X4 | 715 HP D-off | | $791,287 | 108.54 | 27.00 | 21.50 | 16.25 | 18.53 | 2,352 |
| | T55KM012 | HD785-5 | 78.7 CY,100 TON, MECH REAR DUMP, PS, 4X4 | 1,082 HP D-off | | $1,049,780 | 136.73 | 35.75 | 28.38 | 21.56 | 28.05 | 3,670 |
| | T55KM013 | HD1500-5 | 102 CY, 165 TON, MECH REAR DUMP, PS, 4X4 | 1,486 HP D-off | | $1,739,615 | 218.92 | 59.10 | 46.73 | 35.73 | 38.52 | 5,500 |
| | T55KM014 | 730E | 145 CY, 205 TON, MECH REAR DUMP, PS, 4X4 | 2,000 HP D-off | | $2,058,933 | 278.38 | 69.55 | 54.51 | 42.29 | 51.84 | 7,150 |
| | | | **UNIT RIG** | | | | | | | | | |
| | T55UN002 | MT 3000 | 60-99 CY, 120 TON, REAR DUMP | 1,200 HP D-off | | $954,941 | 147.69 | 31.93 | 24.63 | 19.61 | 31.10 | 1,560 |
| | T55UN004 | MT 3300 | 64-100 CY, 150 TON, REAR DUMP | 1,350 HP D-off | | $978,578 | 156.72 | 32.69 | 25.17 | 20.10 | 34.99 | 2,193 |
| | T55UN003 | MT 3600B | 92-126 CY, 170 TON, REAR DUMP | 1,600 HP D-off | | $1,185,289 | 185.24 | 39.71 | 30.74 | 24.34 | 41.47 | 1,950 |
| | T55UN005 | MT 3700B | 101-146 CY, 205 TON, REAR DUMP | 1,800 HP D-off | | $1,316,731 | 221.84 | 43.52 | 32.96 | 27.04 | 46.66 | 2,879 |
| | T55UN006 | MT 4400 | 156-206 CY, 250 TON, REAR DUMP | 2,000 HP D-off | | $1,679,472 | 256.53 | 56.11 | 43.24 | 34.49 | 51.84 | 3,446 |
| | **SUBCATEGORY 0.20** | | **ARTICULATED FRAME** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | T55CA010 | D250D SERIES II | 18 CY, 25 TON, REAR DUMP,ARTIC, P/S 6X6 | 214 HP D-off | | $319,221 | 76.30 | 20.07 | 26.10 | 7.02 | 8.01 | 424 |
| | T55CA011 | D300E SERIES II | 22 CY, 30 TON, REAR DUMP, ARTIC, P/S,6X6 | 260 HP D-off | | $377,245 | 91.13 | 23.67 | 30.75 | 8.29 | 9.73 | 488 |
| | T55CA012 | D350E SERIES II | 25 CY, 35 TON, REAR DUMP, ARTIC, P/S,6X6 | 285 HP D-off | | $443,663 | 104.56 | 27.96 | 36.41 | 9.75 | 10.67 | 599 |
| | T55CA013 | D400E SERIES II | 28 CY, 40 TON, REAR DUMP, ARTIC, P/S,6X6 | 385 HP D-off | | $451,830 | 114.15 | 28.27 | 36.67 | 9.93 | 14.41 | 653 |
| | | | **DEERE & COMPANY** | | | | | | | | | |
| | T55JD001 | 250C | 18 CY, 25 TON, REAR DUMP,ARTIC, P/S 6X6 | 237 HP D-off | | $246,216 | 65.77 | 15.22 | 19.62 | 5.41 | 8.87 | 355 |
| | T55JD002 | 300C | 22 CY, 29 TON, REAR DUMP, ARTIC, P/S,6X6 | 251 HP D-off | | $283,669 | 73.38 | 17.64 | 22.80 | 6.24 | 9.40 | 401 |
| | T55JD003 | 350C | 25 CY, 35 TON, REAR DUMP, ARTIC, P/S,6X6 | 335 HP D-off | | $375,780 | 97.92 | 23.32 | 30.12 | 8.26 | 12.54 | 571 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T55* | | | ***DEERE & COMPANY (continued)*** | | | | | | | | | |
| | T55JD004 | 400C | 29 CY, 40 TON, REAR DUMP, ARTIC, P/S,6X6 | 410 HP D-off | | $421,696 | 113.11 | 26.05 | 33.56 | 9.27 | 15.35 | 635 |
| | | | **VOLVO CONSTRUCTION EQUIPMENT** | | | | | | | | | |
| | T55VO002 | A-25C | 14-18 CY, 25 TON, REAR DUMP, 4X4, ARTIC | 255 HP D-off | | $274,749 | 70.07 | 17.17 | 22.26 | 6.04 | 9.55 | 348 |
| | T55VO003 | A-25C | 14-18 CY, 25 TON, REAR DUMP, 6X6, ARTIC | 255 HP D-off | | $303,219 | 77.89 | 18.86 | 24.37 | 6.67 | 9.55 | 392 |
| | T55VO005 | A-30C | 17-22 CY, 30 TON, REAR DUMP, 6X6, ARTIC | 315 HP D-off | | $349,448 | 84.82 | 22.08 | 28.79 | 7.68 | 11.79 | 454 |
| | T55VO004 | A-35C | 19-25 CY, 35 TON, REAR DUMP, 6X6, ARTIC | 358 HP D-off | | $432,492 | 106.82 | 27.18 | 35.33 | 9.51 | 13.40 | 567 |
| | T55VO006 | A-40 | 21-29 CY, 40 TON, REAR DUMP, 6X6, ARTIC | 398 HP D-off | | $484,440 | 121.48 | 30.30 | 39.29 | 10.65 | 14.90 | 665 |
| **T56** | **TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **PRIME MOVER TRACTORS** | | | | | | | | | |
| | | | **CATERPILLAR, INC.** | | | | | | | | | |
| | T56CA006 | 776D | PRIME MOVER TRACTOR, P/S, 4X4 | 938 HP D-off | | $1,039,022 | 136.40 | 35.38 | 28.07 | 21.34 | 28.37 | 1,164 |
| **T57** | **TRUCKS, VACUUM** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **TRUCKS, VACUUM** | | | | | | | | | |
| | | | **CUSCO INDUSTRIES** | | | | | | | | | |
| | T57CU001 | INDUSTRIAL VAC | 5,500 GAL, 750 CFM, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM) | 76 HP D-off | | $79,934 | 21.45 | 5.02 | 6.39 | 1.82 | 3.61 | 76 |
| | T57CU002 | SS INDUST. VAC | 5,500 GAL, 750 CFM, SS, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM) | 76 HP D-off | | $97,558 | 25.10 | 6.12 | 7.80 | 2.22 | 3.61 | 76 |
| | T57CU003 | 2527 | 5,500 GAL, 2,100 CFM, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM) | 115 HP D-off | | $144,401 | 37.30 | 9.06 | 11.55 | 3.28 | 5.46 | 115 |
| | T57CU004 | 3827 | 5,500 GAL, 3170 CFM, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM) | 177 HP D-off | | $165,292 | 45.64 | 10.36 | 13.22 | 3.75 | 8.41 | 177 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *T57* | | | *CUSCO INDUSTRIES (continued)* | | | | | | | | | |
| | T57CU005 | 5327 | 5,500 GAL, 4,550 CFM, TRLR MTD (W/REAR DOOR & HYDRAULIC DUMP SYSTEM) | 335 HP D-off | | $180,395 | 59.02 | 11.32 | 14.43 | 4.10 | 15.92 | 335 |
| **T60** | **TRUCKS, WATER, OFF-HIGHWAY** | | | | | | | | | | | |
| | **SUBCATEGORY 0.00** | | **TRUCKS, WATER, OFF-HIGHWAY** | | | | | | | | | |
| | | | **KLEIN PRODUCTS, INC.** | | | | | | | | | |
| | T60KI001 | KT-50 | 5,000 GALLON (WITH CAT 613C TRACTOR) | 175 HP D-off | | $173,112 | 42.91 | 9.33 | 10.92 | 3.87 | 8.32 | 320 |
| | T60KI002 | KT-60 | 6,000 GALLON (WITH CAT 621E TRACTOR) | 330 HP D-off | | $313,059 | 79.23 | 16.88 | 19.75 | 7.00 | 15.68 | 580 |
| | T60KI003 | KT-80 | 8,000 GALLON (WITH CAT 631E TRACTOR) | 450 HP D-off | | $448,824 | 111.85 | 24.22 | 28.35 | 10.04 | 21.38 | 751 |
| | T60KI004 | KT-100 | 10,000 GALLON (WITH CAT 631E TRACTOR) | 450 HP D-off | | $455,474 | 112.96 | 24.59 | 28.80 | 10.19 | 21.38 | 811 |
| | T60KI005 | KT-100 | 10,000 GALLON (WITH CAT 651E TRACTOR) | 550 HP D-off | | $541,083 | 134.28 | 29.31 | 34.42 | 12.10 | 26.14 | 1,001 |
| | T60KI006 | KT-120 | 12,000 GALLON (WITH CAT 651E TRACTOR) | 550 HP D-off | | $557,715 | 137.02 | 30.23 | 35.52 | 12.47 | 26.14 | 1,097 |
| | | | **SOUTHWEST ENGINEERING** | | | | | | | | | |
| | T60SO001 | STT-60 | 6,000 GALLON (WITH CAT 621E TRACTOR) | 330 HP D-off | | $389,422 | 91.86 | 21.13 | 24.84 | 8.71 | 15.68 | 610 |
| | T60SO002 | STT-80 | 8,000 GALLON (WITH CAT 631E TRACTOR) | 450 HP D-off | | $536,331 | 126.88 | 29.03 | 34.07 | 11.99 | 21.38 | 812 |
| | T60SO003 | STT-100 | 10,000 GALLON (WITH CAT 631E TRACTOR) | 450 HP D-off | | $545,017 | 128.31 | 29.51 | 34.64 | 12.19 | 21.38 | 897 |
| | T60SO004 | STT-120 | 12,000 GALLON (WITH CAT 651E TRACTOR) | 550 HP D-off | | $677,594 | 159.24 | 36.66 | 43.01 | 15.15 | 26.14 | 1,149 |
| | T60SO005 | STT-140 | 14,000 GALLON (WITH CAT 651E TRACTOR) | 550 HP D-off | | $689,066 | 161.13 | 37.30 | 43.77 | 15.41 | 26.14 | 1,184 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **T65** | **TUNNEL/MINING EQUIPMENT** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **DRIFTING & TUNNELING DRILLS** | | | | | | | | | | |
| | | | **ATLAS COPCO** | | | | | | | | | | |
| | T65AS001 | H104 | HYDRAULIC SINGLE-BOOM DRILL FOR CROSS SECTIONS, 65-215 SF | 67 HP | D-off | | $360,933 | 65.57 | 18.63 | 21.84 | 7.71 | 3.96 | 192 |
| | T65AS002 | H244 | HYDRAULIC SINGLE-BOOM DRILL FOR CROSS SECTIONS, 108-345 SF | 114 HP | D-off | | $545,796 | 100.07 | 28.19 | 33.06 | 11.66 | 6.73 | 289 |
| | T65AS005 | H185 | HYDRAULIC TWIN-BOOM DRILL FOR CROSS SECTIONS, 480-1070 SF | 322 HP | D-off | | $1,254,042 | 234.74 | 64.77 | 75.95 | 26.79 | 19.01 | 684 |
| | T65AS006 | H179 | HYDRAULIC FOUR-BOOM DRILL FOR CROSS SECTIONS, 700-1600 SF | 268 HP | D-off | | $1,449,208 | 263.00 | 74.82 | 87.71 | 30.96 | 15.82 | 957 |
| | **SUBCATEGORY 0.20** | | **TUNNEL BORING MACHINES** | | | | | | | | | | |
| | | | **ATLAS COPCO** | | | | | | | | | | |
| | T65AS009 | JARVA MK8 | TUNNEL BORING MACHINE 475 TON THRUST, 8'-10' DIAMETER | 697 HP | E | | $2,761,908 | 447.95 | 123.27 | 130.42 | 58.06 | 68.31 | 10,472 |
| | T65AS010 | JARVA MK12 | TUNNEL BORING MACHINE 750 TON THRUST, 11'-14' DIAMETER | 1,207 HP | E | | $4,042,347 | 687.62 | 180.42 | 190.89 | 84.97 | 118.29 | 16,535 |
| | | | **VOEST- ALPINE** | | | | | | | | | | |
| | T65VA001 | ATB 35 | TUNNEL BORING MACHINE, 150 TON 3.5' DIAMETER (EXCLUDES TRAIN) | 1,250 HP | E | | $3,779,780 | 651.39 | 168.70 | 178.49 | 79.45 | 122.50 | 3,307 |
| | T65VA002 | ATB 45 | TUNNEL BORING MACHINE, 225 TON 5' DIAMETER (EXCLUDES TRAIN) | 1,275 HP | E | | $6,109,860 | 932.24 | 272.69 | 288.52 | 128.43 | 124.95 | 4,960 |
| | T65VA003 | ATB 80 | TUNNEL BORING MACHINE, 500 TON 8' DIAMETER (EXCLUDES TRAIN) | 2,885 HP | E | | $13,332,922 | 2,050.96 | 595.07 | 629.61 | 280.26 | 282.73 | 11,023 |
| | **SUBCATEGORY 0.30** | | **PRODUCTION DRILLING RIGS** | | | | | | | | | | |
| | | | **ATLAS COPCO** | | | | | | | | | | |
| | T65AS012 | SIMBA H350 | HYDRAULIC PRODUCTION DRILL RIG, HIGH CAPACITY, METHOD MATCHED | 120 HP | E | | $526,464 | 125.62 | 29.98 | 37.22 | 11.37 | 13.44 | 254 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.40** | | **ROADHEADERS & CONTINUOUS MINERS** | | | | | | | | | | |
| | | | **ATLAS COPCO** | | | | | | | | | | |
| | T65AS016 | ET 120-L | ROADHEADER, 32 TONS, 213" X 158" CUTTING RANGE | 284 HP | E | | $1,075,379 | 207.49 | 51.32 | 57.13 | 22.75 | 27.83 | 639 |
| | T65AS017 | ET 210-L | ROADHEADER, 57 TONS, 270" X 186" CUTTING RANGE | 456 HP | E | | $1,650,736 | 321.66 | 78.78 | 87.70 | 34.93 | 44.69 | 1,146 |
| | T65AS018 | ET 380-L | ROADHEADER, 99 TONS, 386" X 276" CUTTING RANGE | 510 HP | E | | $2,431,838 | 446.03 | 116.05 | 129.19 | 51.45 | 49.98 | 1,984 |
| | | | **ANDERSON TUNNELING** | | | | | | | | | | |
| | T65AT003 | RH 22 | ROADHEADER, 35 TON, 213" X 197" CUTTING RANGE | 300 HP | E | | $920,409 | 187.24 | 43.92 | 48.90 | 19.47 | 29.40 | 770 |
| | T65AT004 | RH 45 | ROADHEADER, 50 TON | 645 HP | E | | $1,159,342 | 281.82 | 55.33 | 61.59 | 24.53 | 63.21 | 1,100 |
| | T65AT006 | RH90 | ROADHEADER, 90 TON, 236" X 197" CUTTING RANGE | 486 HP | E | | $1,984,435 | 376.20 | 94.70 | 105.42 | 41.99 | 47.63 | 1,980 |
| | | | **DOSCO CORPORATION** | | | | | | | | | | |
| | T65DO004 | TB 3000 | TWIN BOOM MINER, 137.8 TON, 236" X 350" CUTTING RANGE | 995 HP | E | | $3,336,320 | 662.88 | 159.21 | 177.24 | 70.59 | 97.51 | 2,756 |
| | **SUBCATEGORY 0.50** | | **ROCK BOLTING EQUIPMENT** | | | | | | | | | | |
| | | | **ATLAS COPCO** | | | | | | | | | | |
| | T65AS020 | BOLTEC H625L | ROCK BOLTER, 32' VERTICAL REACH | 50 HP | E | 52 HP D-off | $627,193 | 141.65 | 39.28 | 50.07 | 14.24 | 6.05 | 162 |
| | T65AS021 | BOLTEC H735H | ROCK BOLTER, 34' VERTICAL REACH | 50 HP | E | 82 HP D-off | $755,991 | 169.13 | 47.36 | 60.37 | 17.17 | 6.31 | 202 |
| | | | **FLETCHER MINING EQUIPMENT** | | | | | | | | | | |
| | T65FL002 | DDR | DUAL HEAD ROOF BOLTER, ANGLE DRILLING, 17.5 TONS, 9' REACH | 80 HP | E | | $215,672 | 61.46 | 13.50 | 17.19 | 4.90 | 8.96 | 350 |
| | T65FL004 | HDDR | DUAL HEAD ROOF BOLTER, WALK- THRU CHASSIS, 20 TONS, 18' REACH | 80 HP | E | | $293,690 | 77.64 | 18.36 | 23.38 | 6.67 | 8.96 | 400 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.61** | | **LOADING & HAULING EQUIPMENT, DIESEL OR GAS** | | | | | | | | | |
| | | | **EIMCO (EJC)** | | | | | | | | | |
| | T65EI007 | EJC 60 | LOAD HAUL DUMP, 1.5 CY BUCKET, 6,000 LB. PAYLOAD | 50 HP D-off | | $104,211 | 18.22 | 4.86 | 5.14 | 2.29 | 2.59 | 132 |
| | T65EI009 | EJC 100 | LOAD HAUL DUMP, 2.8 CY BUCKET, 10,000 LB. PAYLOAD | 100 HP D-off | | $181,311 | 33.76 | 8.43 | 8.90 | 3.98 | 5.18 | 310 |
| | T65EI004 | EJC 210 | LOAD HAUL DUMP, 6.0 CY BUCKET, 21,000 LB. PAYLOAD | 231 HP D-off | | $268,288 | 57.29 | 12.32 | 12.86 | 5.89 | 11.98 | 553 |
| | T65EI005 | EJC 300 | LOAD HAUL DUMP, 8.0 CY BUCKET, 30,000 LB. PAYLOAD | 277 HP D-off | | $341,626 | 67.19 | 15.56 | 16.11 | 7.50 | 14.36 | 705 |
| | T65EI006 | EJC 400 | LOAD HAUL DUMP, 16.0 CY BUCKET, 40,000 LB. PAYLOAD | 325 HP D-off | | $524,185 | 96.17 | 23.79 | 24.56 | 11.51 | 16.85 | 1,322 |
| | T65EI011 | EJC 985-T15 | END DUMP TRUCK, 10 CY CAPACITY, 30,000 LB PAYLOAD, 4X4 | 185 HP D-off | | $164,460 | 37.31 | 7.61 | 7.99 | 3.61 | 9.59 | 280 |
| | T65EI012 | EJC 430 | END DUMP TRUCK ,18 CY CAPACITY, 60,000 LB PAYLOAD, 4X4 | 277 HP D-off | | $263,390 | 61.83 | 11.99 | 12.41 | 5.78 | 14.36 | 530 |
| | | | **ATLAS COPCO WAGNER** | | | | | | | | | |
| | T65WG001 | HST-1A | SCOOPTRAM, 1.0 CY BUCKET, 3000 LB CAPACITY | 55 HP D-off | | $141,814 | 22.91 | 6.64 | 7.06 | 3.11 | 2.85 | 111 |
| | T65WG002 | ST-2D | SCOOPTRAM, 2.5 CY BUCKET, 8000 LB CAPACITY, 4X4 | 82 HP D-off | | $186,607 | 32.17 | 8.69 | 9.17 | 4.10 | 4.25 | 254 |
| | T65WG003 | ST-6C | SCOOPTRAM, 6.0 CY BUCKET, 21,000 LB CAPACITY, 4X4 | 231 HP D-off | | $347,420 | 67.81 | 16.04 | 16.82 | 7.63 | 11.98 | 523 |
| | T65WG008 | MT-408 | REAR DUMP TRUCK, 6.3 CY CAP 17,600 LB PAYLOAD, 4X4 | 82 HP D-off | | $154,931 | 26.80 | 7.24 | 7.68 | 3.40 | 4.25 | 162 |
| | T65WG009 | MT-416 | REAR DUMP TRUCK, 12.0 CY CAP 16 TON PAYLOAD, 4X4 | 185 HP D-off | | $288,957 | 53.05 | 13.48 | 14.28 | 6.34 | 9.59 | 329 |
| | T65WG010 | MT-431B | REAR DUMP TRUCK, 22.0 CY CAP 31 TON PAYLOAD, 4X4 | 375 HP D-off | | $478,179 | 95.95 | 22.16 | 23.31 | 10.50 | 19.44 | 670 |
| | T65WG011 | MT-444 | REAR DUMP TRUCK, 33.3 CY CAP 44 TON PAYLOAD, 4X4 | 475 HP D-off | | $551,287 | 115.61 | 25.43 | 26.66 | 12.10 | 24.62 | 783 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.62** | | **LOADING & HAULING EQUIPMENT, ELECTRIC** | | | | | | | | | | |
| | | | **VOEST- ALPINE** | | | | | | | | | | |
| | T65VA008 | AL 30 | FACE FEED LOADER, 1.6 CY BUCKET | 100 HP | E | | $613,777 | 101.52 | 28.44 | 29.93 | 13.47 | 9.80 | 500 |
| | T65VA009 | AL 60 | FACE FEED LOADER, 2.6 CY BUCKET | 215 HP | E | | $1,003,142 | 162.66 | 47.10 | 50.16 | 22.02 | 21.07 | 1,102 |
| | | | **ATLAS COPCO WAGNER** | | | | | | | | | | |
| | T65WG005 | EHST-1A | SCOOPTRAM, 1.0 CY BUCKET, 3000 LB CAPACITY | 40 HP | E | | $161,470 | 27.44 | 7.57 | 8.05 | 3.54 | 3.92 | 139 |
| | T65WG006 | EST-2D | SCOOPTRAM, 2.5 CY BUCKET, 8000 LB CAPACITY, 4X4 | 75 HP | E | | $234,711 | 44.11 | 10.94 | 11.57 | 5.15 | 7.35 | 251 |
| | T65WG007 | EST-6C | SCOOPTRAM, 6.0 CY BUCKET, 21,000 LB CAPACITY, 4X4 | 175 HP | E | | $443,930 | 91.14 | 20.56 | 21.64 | 9.74 | 17.15 | 497 |
| | **SUBCATEGORY 0.63** | | **LOADING & HAULING EQUIPMENT, AIR-POWERED** | | | | | | | | | | |
| | | | **ATLAS COPCO** | | | | | | | | | | |
| | T65AS024 | CAVO 310 | WHEELED LOAD-AND-CARRY DUMPER, 4.6 CF BUCKET (ADD COMPR) | 280 CFM | A | | $97,976 | 14.24 | 4.50 | 4.54 | 2.23 | 0.00 | 70 |
| | T65AS025 | CAVO 320 | WHEELED OVERHEAD LOADER, 11 CF BUCKET (ADD COMPR) | 280 CFM | A | | $100,530 | 14.55 | 4.62 | 4.66 | 2.29 | 0.00 | 90 |
| | **SUBCATEGORY 0.90** | | **OTHER TUNNELING EQUIPMENT** | | | | | | | | | | |
| | | | **ANDERSON TUNNELING** | | | | | | | | | | |
| | T65AT007 | | BRIDGE CONVEYOR | 25 HP | E | | $61,892 | 13.61 | 2.91 | 3.09 | 1.36 | 2.45 | 22 |
| | T65AT008 | | SLEWING BELT CONVEYOR | 16 HP | E | | $86,232 | 15.50 | 4.05 | 4.31 | 1.89 | 1.57 | 11 |
| | | | **DOSCO CORPORATION** | | | | | | | | | | |
| | T65DO007 | 24HC | DUST EXTRACTOR, 11,653 CFM CAP, 77 LBS/HR DUST LOADING | 50 HP | E | | $55,528 | 15.88 | 2.61 | 2.78 | 1.22 | 4.90 | 37 |
| | T65DO008 | 30HC | DUST EXTRACTOR, 21,188 CFM CAP, 187 LBS/HR DUST LOADING | 75 HP | E | | $75,597 | 22.76 | 3.55 | 3.78 | 1.66 | 7.35 | 64 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **DRESSER INDUSTRIES** | | | | | | | | | |
| | T65DR005 | 94L/506C5 | CONTINUOUS HAULAGE SYSTEM, WITH BRIDGE CONVEYOR | 52 HP E | | $388,823 | 62.83 | 18.25 | 19.44 | 8.53 | 5.10 | 156 |
| | T65DR004 | 5010 | CONTINUOUS HAULAGE SYSTEM, WITH BRIDGE CONVEYOR | 60 HP E | | $555,675 | 86.93 | 26.09 | 27.78 | 12.20 | 5.88 | 233 |
| | | | **EIMCO (EJC)** | | | | | | | | | |
| | T65EI014 | EJC 955 | UTILITY VEHICLE, W/SCISSOR LIFT, 3,000 LB PAYLOAD | 40 HP D-off | | $72,376 | 12.91 | 3.39 | 3.59 | 1.59 | 2.07 | 60 |
| | T65EI015 | EKC 975A | UTILITY VEHICLE, W/FLATBED | 90 HP D-off | | $85,393 | 18.42 | 3.98 | 4.22 | 1.87 | 4.67 | 100 |
| | | | **TELEDYNE SPECIALTY EQUIPMENT CM PRODUCTS** | | | | | | | | | |
| | T65TL003 | | ANFO EXPLOS. LDR VEH, 1,200 LB CAP | 84 HP D-off | 86 HP D-off | $159,751 | 29.76 | 7.45 | 7.88 | 3.51 | 5.22 | 280 |
| | T65TL005 | | HEAVY DUTY SCISSOR LIFT, 6,000LB CAP | 84 HP D-off | 86 HP D-off | $122,418 | 24.64 | 5.70 | 6.01 | 2.69 | 5.22 | 280 |
| **W25** | **WATER & CO2 BLASTERS** | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **LOW PRESSURE, (< 5,000 PSI)** | | | | | | | | | |
| | | | **CDS GROUP** | | | | | | | | | |
| | W25CD001 | 16W | ACCUSTRIP WET ABRASIVE BLASTER 6 CF, 1 NOZ (ADD COMPRESSOR) | 1,600 CFM A | | $17,900 | 10.94 | 2.25 | 3.58 | 0.46 | 0.00 | 12 |
| | W25CD002 | 220 | ACCUSTRIP WET ABRASIVE BLASTER 20 CF, 2 NOZ (ADD COMPRESSOR) | 1,600 CFM A | | $29,811 | 18.14 | 3.75 | 5.96 | 0.77 | 0.00 | 19 |
| | | | **SIOUX STEAM CLEANER CORPORATION** | | | | | | | | | |
| | W25SD001 | 513-5-E | COLD WATER, 1,400 PSI | 5 HP E | | $3,462 | 3.04 | 0.44 | 0.69 | 0.09 | 0.67 | 4 |
| | W25SD002 | EN-140-H4-1800 | HOT WATER, 1,800 PSI | 3 HP E | | $8,253 | 5.42 | 1.04 | 1.65 | 0.21 | 0.40 | 5 |
| | W25SD005 | 514-4-G | COLD WATER, 4 GPM, 2,500 PSI | 11 HP G | | $4,654 | 5.32 | 0.59 | 0.93 | 0.12 | 1.99 | 4 |
| | W25SD003 | 515-5-G | COLD WATER, 3,000 PSI | 14 HP G | | $5,333 | 6.44 | 0.68 | 1.07 | 0.14 | 2.53 | 5 |
| | W25SD004 | 370H | HOT WATER, 3,000 PSI, TRLR MTD | 23 HP G | | $10,549 | 11.53 | 1.30 | 2.06 | 0.27 | 4.15 | 19 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SUBCATEGORY 0.20** | | **HIGH PRESSURE, (>= 5,000 PSI)** | | | | | | | | | | |
| | | | **NLB CORPORATION** | | | | | | | | | | |
| | W25NL001 | 6200E | WATER BLASTING PUMPING UNIT, 50 GPM AT 1000-6000 PSI, 50 LF HOSE, ADJUSTABLE DISCHARGE | 200 HP | E | | $59,664 | 77.21 | 7.51 | 11.93 | 1.54 | 26.60 | 118 |
| | W25NL003 | 201536D | WATER BLASTING PUMPING UNIT, 13.2 GPM AT 20,000 PSI, 50 LF HOSE (W/CLEANING LANCE) SKID MOUNTED | 150 HP | D-off | | $64,023 | 53.86 | 8.05 | 12.80 | 1.65 | 10.58 | 78 |
| | W25NL002 | 20253D | WATER BLASTER, 22 GPM AT 20,000 PSI SKID MOUNTED(ADD TRUCK, FLATBED TRAILER, AND WATER TANKER) | 335 HP | D-off | | $100,040 | 93.88 | 12.59 | 20.01 | 2.58 | 23.64 | 140 |
| | W25NL005 | 20600D | WATER BLASTER, 53 GPM AT 20,000 PSI, SKID MOUNTED (ADD TRUCK, FLATBED TRAILER, AND WATER TANKER) | 700 HP | D-off | | $244,409 | 217.92 | 30.74 | 48.88 | 6.30 | 49.39 | 200 |
| | W25NL004 | 4400 | CONCRETE BUSTER (ADD 20600D) | 40 HP | D-off | | $130,741 | 84.11 | 16.36 | 25.98 | 3.37 | 2.82 | 80 |
| | | | **WEATHERFORD U.S., INC.** | | | | | | | | | | |
| | W25WE001 | WBE 50 | 7 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED | 50 HP | E | | $29,166 | 28.37 | 3.61 | 5.71 | 0.75 | 6.65 | 27 |
| | W25WE002 | WBE 75 | 10 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED | 75 HP | E | | $32,319 | 35.62 | 4.00 | 6.34 | 0.83 | 9.98 | 29 |
| | W25WE003 | WBD 90 | 10 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED | 91 HP | D-off | | $35,351 | 30.32 | 4.39 | 6.95 | 0.91 | 6.42 | 34 |
| | W25WE004 | WBE 150 | 20 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED | 150 HP | E | | $57,040 | 66.76 | 7.11 | 11.28 | 1.47 | 19.95 | 39 |
| | W25WE005 | WBD15O | 20 GPM AT 10,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED | 160 HP | D-off | | $70,506 | 58.62 | 8.81 | 13.98 | 1.82 | 11.29 | 59 |
| | W25WE006 | WBD200 | 20 GPM AT 16,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED | 240 HP | D-off | | $79,373 | 71.83 | 9.94 | 15.78 | 2.05 | 16.93 | 84 |
| | W25WE007 | WBD200T | 16 GPM AT 20,000 PSI (WITH 2 NOZZLES) TRAILER MOUNTED | 230 HP | D-off | | $91,498 | 78.26 | 11.44 | 18.15 | 2.36 | 16.23 | 98 |
| | **SUBCATEGORY 0.30** | | **STEAM CLEANERS** | | | | | | | | | | |
| | | | **ALKOTA CLEANING SYSTEMS, INC.** | | | | | | | | | | |
| | W25AO001 | 90 | 90 GPH, 200 PSI | 1 HP | E | | $2,322 | 2.05 | 0.29 | 0.46 | 0.06 | 0.13 | 4 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *W25* | | | ***ALKOTA CLEANING SYSTEMS, INC. (continued)*** | | | | | | | | | | |
| | W25AO002 | 120 | 130 GPH, 325 PSI | 1 HP | E | | $2,834 | 2.60 | 0.36 | 0.57 | 0.07 | 0.13 | 4 |
| | W25AO003 | 181 | 180 GPH, 250 PSI | 2 HP | E | | $4,193 | 3.61 | 0.53 | 0.84 | 0.11 | 0.27 | 6 |
| | W25AO004 | 240 | 240 GPH, 250 PSI | 2 HP | E | | $4,055 | 3.77 | 0.51 | 0.81 | 0.10 | 0.27 | 6 |
| | W25AO005 | 301T | 300 GPH, 100 PSI | 4 HP | E | | $8,600 | 7.32 | 1.08 | 1.72 | 0.22 | 0.53 | 10 |
| | W25AO006 | 246 | STEAM GENERATOR, 100 PSI | 1 HP | E | | $5,550 | 4.18 | 0.70 | 1.11 | 0.14 | 0.13 | 7 |
| | **SUBCATEGORY 0.40** | | **CO2 BLASTERS** | | | | | | | | | | |
| | | | **COLD JET** | | | | | | | | | | |
| | W25CJ001 | 65-100 | CO2 BLASTER 600 LBS/HR SINGLE HOSE DELIVERY (ADD COMPR) | 20 HP | E | | $145,278 | 57.59 | 13.19 | 19.37 | 3.50 | 1.96 | 38 |
| | W25CJ002 | 65-150 | CO2 BLASTER 1200 LBS/HR SINGLE HOSE DELIVERY (ADD COMPR) | 24 HP | E | | $207,315 | 81.43 | 18.81 | 27.64 | 4.99 | 2.35 | 47 |
| | W25CJ003 | 65-200 | CO2 BLASTER 1200 LBS/HR DUAL HOSE DELIVERY (ADD COMPR) | 24 HP | E | | $234,223 | 91.50 | 21.26 | 31.23 | 5.64 | 2.35 | 47 |
| **W30** | **WATER TANKS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **PORTABLE WITH WHEELS** | | | | | | | | | | |
| | | | **MCMASTER** | | | | | | | | | | |
| | W30MG099 | | WATER TANK, PORTABLE, 500 GAL., POLYETHYLENE (WITH 14' UTILITY TRAILER) | | | | $4,525 | 0.73 | 0.24 | 0.28 | 0.10 | 0.00 | 15 |
| | | | **SOUTHWEST ENGINEERING** | | | | | | | | | | |
| | W30SO001 | EWT-8C | 8,000 GAL., 10" DISCHG PIPE, MOBILE | 8 HP | G | | $44,647 | 8.27 | 2.46 | 2.91 | 1.00 | 0.99 | 130 |
| | W30SO002 | EWT-10C | 10,000 GAL., 10" DISCHG PIPE, MOBILE | 8 HP | G | | $53,389 | 9.62 | 2.94 | 3.50 | 1.19 | 0.99 | 170 |
| | W30SO003 | EWT-12C | 12,000 GAL., 10" DISCHG PIPE, MOBILE | 8 HP | G | | $58,099 | 10.35 | 3.21 | 3.81 | 1.30 | 0.99 | 185 |
| | **SUBCATEGORY 0.20** | | **SKID MOUNTED** | | | | | | | | | | |
| | | | **SOUTHWEST ENGINEERING** | | | | | | | | | | |
| | W30SO004 | WST-8 | 8,000 GAL. STAND-TOWER TANK, 10"PIPE | | | | $28,751 | 4.14 | 1.60 | 1.92 | 0.64 | 0.00 | 107 |

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

| CAT | REGION 10 ID.NO. | MODEL | EQUIPMENT DESCRIPTION | ENGINE HORSEPOWER FUEL TYPE MAIN | | CARRIER | VALUE (TEV) 1998 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *W30* | | | ***SOUTHWEST ENGINEERING (continued)*** | | | | | | | | | | |
| | W30SO005 | WST-10 | 10,000 GAL. STAND-TOWER TANK, 10"PIPE | | | | $32,124 | 4.62 | 1.79 | 2.14 | 0.72 | 0.00 | 122 |
| | W30SO006 | WST-12 | 12,000 GAL. STAND-TOWER TANK,1 0"PIPE | | | | $37,067 | 5.33 | 2.07 | 2.47 | 0.83 | 0.00 | 142 |
| **W35** | **WELDERS** | | | | | | | | | | | | |
| | **SUBCATEGORY 0.10** | | **ENGINE DRIVEN** | | | | | | | | | | |
| | | | **LINCOLN ELECTRIC COMPANY** | | | | | | | | | | |
| | W35LC001 | POWER ARC 500 | 150 AMP, STICK WELDER, PORTABLE | 11 HP | G | | $1,905 | 2.65 | 0.14 | 0.18 | 0.05 | 1.67 | 3 |
| | W35LC002 | | 225 AMP, STICK & WIRE FEED, TRLR MTD | 20 HP | G | | $4,423 | 5.04 | 0.31 | 0.40 | 0.11 | 3.04 | 10 |
| | W35LC003 | RANGER 9 | 250 AMP, STICK & WIRE FEED, TRLR MTD | 18 HP | G | | $5,415 | 4.88 | 0.38 | 0.49 | 0.13 | 2.74 | 13 |
| | W35LC004 | RANGER 300D | 300 AMP, STICK & WIRE FEED, TRLR MTD | 26 HP | G | | $9,997 | 7.58 | 0.70 | 0.91 | 0.24 | 3.95 | 16 |
| | W35LC005 | COMMANDER 40 | 400 AMP, STICK & WIRE FEED, TRLR MTD | 44 HP | D-off | | $12,601 | 6.42 | 0.88 | 1.16 | 0.30 | 2.60 | 24 |
| | W35LC006 | COMMANDER 50 | 500 AMP, STICK & WIRE FEED, TRLR MTD | 44 HP | D-off | | $12,807 | 6.48 | 0.90 | 1.18 | 0.31 | 2.60 | 24 |
| | **SUBCATEGORY 0.20** | | **ELECTRIC DRIVEN** | | | | | | | | | | |
| | | | **LINCOLN ELECTRIC COMPANY** | | | | | | | | | | |
| | W35LC018 | SP-170T | 170 AMP, WIRE FEEDER | 5 HP | E | | $790 | 0.54 | 0.08 | 0.11 | 0.02 | 0.21 | 1 |
| | W35LC010 | LINCWELD 225/1 | 225 AMP, STICK WELDER, AC/DC | 15 HP | E | | $462 | 1.08 | 0.04 | 0.06 | 0.01 | 0.63 | 1 |
| | W35LC019 | IDEAL ARC SP-22 | 250 AMP, WIRE FEEDER | 11 HP | E | | $2,241 | 1.29 | 0.20 | 0.30 | 0.05 | 0.46 | 3 |
| | W35LC011 | IDEAL ARC R3R-3 | 300 AMP, STICK WELDER | 27 HP | E | | $2,795 | 2.46 | 0.26 | 0.37 | 0.07 | 1.13 | 4 |
| | W35LC012 | IDEAL ARC R3R-4 | 400 AMP, STICK WELDER | 35 HP | E | | $2,826 | 3.00 | 0.26 | 0.38 | 0.07 | 1.47 | 5 |
| | W35LC013 | IDEAL ARC R3R-5 | 500 AMP, STICK WELDER | 41 HP | E | | $2,816 | 3.38 | 0.26 | 0.38 | 0.07 | 1.72 | 5 |
| | W35LC020 | PROCUT 80 | 85 AMP, PLASMA CUTTING TORCH | 26 HP | E | | $3,392 | 2.56 | 0.31 | 0.45 | 0.08 | 1.09 | 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 Conditions

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| A10 | | | | | | | | | | | | | | | | | |
| | A10AR001 | 0.49 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 1.07 | | | | | | | | |
| | A10AR002 | 1.25 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 2.71 | | | | | | | | |
| | A10ET001 | 9.04 | 2.12 | 7.67 | 2.40 | 0.12 | 0.02 | 11.16 | 32.53 | | | | | | | | |
| | A10ET002 | 9.44 | 2.21 | 9.59 | 3.00 | 0.12 | 0.02 | 11.65 | 36.03 | | | | | | | | |
| | A10ET003 | 9.75 | 2.28 | 7.67 | 2.40 | 0.12 | 0.02 | 12.03 | 34.27 | | | | | | | | |
| | A10ET004 | 9.89 | 2.31 | 9.59 | 3.00 | 0.12 | 0.02 | 12.21 | 37.14 | | | | | | | | |
| | A10RS001 | 8.61 | 2.03 | 7.88 | 2.47 | 0.19 | 0.04 | 10.64 | 31.86 | | | | | | | | |
| | A10RS002 | 10.32 | 2.42 | 7.88 | 2.47 | 0.19 | 0.04 | 12.75 | 36.07 | | | | | | | | |
| A15 | | | | | | | | | | | | | | | | | |
| | A15MG099 | 0.04 | 0.01 | 0.53 | 0.31 | 0.00 | 0.00 | 0.04 | 0.93 | | | | | | | | |
| | A15SR001 | 8.61 | 2.46 | 16.85 | 6.15 | 0.12 | 0.02 | 10.13 | 44.34 | | | | | | | | |
| | A15SR002 | 10.56 | 3.02 | 24.71 | 9.02 | 0.16 | 0.03 | 12.43 | 59.93 | | | | | | | | |
| | A15SR003 | 1.13 | 0.32 | 2.75 | 1.00 | 0.00 | 0.00 | 1.33 | 6.53 | | | | | | | | |
| | A15SR004 | 1.32 | 0.38 | 4.38 | 1.60 | 0.00 | 0.00 | 1.55 | 9.23 | | | | | | | | |
| | A15SR005 | 1.70 | 0.48 | 4.49 | 1.64 | 0.00 | 0.00 | 2.00 | 10.31 | | | | | | | | |
| | A15XX001 | 1.06 | 0.31 | 7.13 | 2.97 | 0.03 | 0.01 | 1.25 | 12.76 | | | | | | | | |
| | A15XX002 | 1.13 | 0.33 | 1.97 | 0.72 | 0.03 | 0.01 | 1.33 | 5.52 | | | | | | | | |
| | A15XX004 | 1.19 | 0.34 | 2.75 | 1.00 | 0.03 | 0.01 | 1.41 | 6.73 | | | | | | | | |
| | A15XX006 | 1.58 | 0.45 | 3.20 | 1.17 | 0.03 | 0.01 | 1.86 | 8.30 | | | | | | | | |
| | A15XX008 | 1.68 | 0.48 | 4.49 | 1.64 | 0.03 | 0.01 | 1.98 | 10.31 | | | | | | | | |
| | A15XX009 | 2.52 | 0.72 | 4.49 | 1.64 | 0.04 | 0.01 | 2.97 | 12.39 | | | | | | | | |
| | A15XX010 | 3.20 | 0.93 | 6.46 | 2.36 | 0.16 | 0.03 | 3.78 | 16.92 | | | | | | | | |
| | A15XX011 | 4.05 | 1.17 | 9.77 | 3.57 | 0.16 | 0.03 | 4.77 | 23.52 | | | | | | | | |
| | A15XX012 | 5.80 | 1.67 | 12.64 | 4.61 | 0.16 | 0.03 | 6.83 | 31.74 | | | | | | | | |
| | A15XX013 | 6.30 | 1.81 | 13.48 | 4.92 | 0.16 | 0.03 | 7.42 | 34.12 | | | | | | | | |
| | A15XX014 | 6.91 | 1.99 | 17.69 | 6.46 | 0.16 | 0.03 | 8.14 | 41.38 | | | | | | | | |
| | A15XX015 | 10.59 | 3.03 | 19.66 | 7.18 | 0.16 | 0.03 | 12.47 | 53.12 | | | | | | | | |
| | A15XX016 | 11.46 | 3.28 | 24.43 | 8.92 | 0.21 | 0.04 | 13.49 | 61.83 | | | | | | | | |
| | A15XX017 | 11.54 | 3.31 | 24.43 | 8.92 | 0.21 | 0.04 | 13.59 | 62.04 | | | | | | | | |
| | A15XX018 | 10.38 | 2.98 | 29.48 | 10.76 | 0.21 | 0.04 | 12.23 | 66.08 | | | | | | | | |
| A20 | | | | | | | | | | | | | | | | | |
| | A20CK001 | 0.25 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.82 | | | | | | | | |
| | A20CK002 | 0.14 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.45 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *A20* | *cont.* | | | | | | | | | | | | | | | | |
| | A20CK003 | 0.28 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.90 | | | | | | | | |
| | A20CK004 | 0.30 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 0.98 | | | | | | | | |
| | A20CK005 | 0.33 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 1.07 | | | | | | | | |
| | A20CK006 | 0.20 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.64 | | | | | | | | |
| | A20CK007 | 0.19 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.61 | | | | | | | | |
| | A20CK008 | 0.20 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.66 | | | | | | | | |
| | A20CK009 | 0.22 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.72 | | | | | | | | |
| | A20CK010 | 0.22 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.72 | | | | | | | | |
| | A20CM009 | 2.11 | 0.32 | 0.00 | 0.30 | 0.00 | 0.00 | 4.40 | 7.13 | | | | | | | | |
| | A20CM010 | 0.48 | 0.07 | 0.00 | 0.06 | 0.00 | 0.00 | 1.01 | 1.62 | | | | | | | | |
| | A20CM011 | 0.54 | 0.08 | 0.00 | 0.06 | 0.00 | 0.00 | 1.13 | 1.81 | | | | | | | | |
| | A20CM012 | 0.59 | 0.09 | 0.00 | 0.13 | 0.00 | 0.00 | 1.23 | 2.04 | | | | | | | | |
| | A20CM013 | 2.39 | 0.38 | 0.00 | 0.28 | 0.13 | 0.02 | 5.01 | 8.21 | | | | | | | | |
| | A20CM014 | 2.72 | 0.45 | 0.00 | 0.41 | 0.27 | 0.05 | 5.73 | 9.63 | | | | | | | | |
| | A20CM015 | 3.00 | 0.48 | 0.00 | 0.50 | 0.21 | 0.04 | 6.30 | 10.53 | | | | | | | | |
| | A20CM016 | 2.11 | 0.32 | 0.00 | 0.30 | 0.00 | 0.00 | 4.40 | 7.13 | | | | | | | | |
| | A20CM017 | 0.14 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.45 | | | | | | | | |
| | A20CM018 | 0.18 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.59 | | | | | | | | |
| | A20CM019 | 0.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.73 | | | | | | | | |
| | A20CM020 | 0.20 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.65 | | | | | | | | |
| | A20WC002 | 0.21 | 0.03 | 0.18 | 0.25 | 0.00 | 0.00 | 0.44 | 1.11 | | | | | | | | |
| | A20WC004 | 0.58 | 0.09 | 0.49 | 0.20 | 0.00 | 0.00 | 1.20 | 2.56 | | | | | | | | |
| | A20XX001 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.12 | | | | | | | | |
| | A20XX002 | 0.12 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.37 | | | | | | | | |
| | A20XX003 | 0.15 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.47 | | | | | | | | |
| | A20XX004 | 0.19 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.58 | | | | | | | | |
| | A20XX005 | 0.23 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.70 | | | | | | | | |
| | A20XX006 | 0.33 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 1.02 | | | | | | | | |
| | A20XX007 | 0.41 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 1.25 | | | | | | | | |
| | A20XX008 | 0.62 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 1.91 | | | | | | | | |
| | A20XX009 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.22 | | | | | | | | |
| | A20XX010 | 0.08 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.25 | | | | | | | | |
| | A20XX011 | 0.11 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.35 | | | | | | | | |
| | A20XX012 | 0.13 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.40 | | | | | | | | |
| | A20XX013 | 0.15 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.47 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***A20*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | A20XX014 | 0.25 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.77 | | | | | | | | |
| | A20XX015 | 0.28 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 0.86 | | | | | | | | |
| | A20XX016 | 0.40 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.79 | 1.23 | | | | | | | | |
| **A25** | | | | | | | | | | | | | | | | | |
| | A25RS002 | 7.05 | 1.07 | 0.00 | 1.50 | 0.00 | 0.00 | 8.76 | 18.38 | | | | | | | | |
| | A25RS004 | 7.67 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 9.53 | 18.37 | | | | | | | | |
| | A25RS006 | 7.80 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 9.68 | 18.66 | | | | | | | | |
| | A25RS008 | 8.94 | 1.36 | 0.00 | 1.80 | 0.00 | 0.00 | 11.11 | 23.21 | | | | | | | | |
| **A30** | | | | | | | | | | | | | | | | | |
| | A30BG002 | 27.54 | 6.03 | 5.96 | 3.68 | 1.91 | 0.35 | 42.82 | 88.29 | | | | | | | | |
| | A30BG003 | 29.73 | 6.51 | 8.04 | 4.44 | 2.16 | 0.40 | 46.22 | 97.50 | | | | | | | | |
| | A30BG004 | 27.28 | 5.79 | 5.55 | 3.53 | 0.00 | 0.00 | 42.20 | 84.35 | | | | | | | | |
| | A30BG005 | 32.37 | 6.86 | 8.04 | 4.44 | 0.00 | 0.00 | 50.07 | 101.78 | | | | | | | | |
| | A30BG006 | 34.83 | 7.39 | 10.37 | 5.29 | 0.00 | 0.00 | 53.88 | 111.76 | | | | | | | | |
| | A30BG007 | 21.74 | 4.69 | 5.55 | 3.53 | 0.62 | 0.11 | 33.72 | 69.96 | | | | | | | | |
| | A30BK010 | 12.94 | 2.80 | 2.44 | 0.89 | 0.71 | 0.13 | 20.08 | 39.99 | | | | | | | | |
| | A30BK011 | 19.10 | 4.13 | 5.44 | 1.99 | 0.90 | 0.17 | 29.64 | 61.37 | | | | | | | | |
| | A30BK012 | 21.94 | 4.75 | 5.60 | 2.04 | 1.24 | 0.23 | 34.05 | 69.85 | | | | | | | | |
| | A30BK013 | 23.17 | 5.02 | 7.52 | 2.75 | 1.24 | 0.23 | 35.95 | 75.88 | | | | | | | | |
| | A30BK014 | 26.22 | 5.69 | 8.76 | 3.20 | 1.54 | 0.28 | 40.70 | 86.39 | | | | | | | | |
| | A30BK015 | 26.76 | 5.81 | 9.54 | 3.48 | 1.54 | 0.28 | 41.54 | 88.95 | | | | | | | | |
| | A30BK016 | 23.93 | 5.08 | 5.18 | 1.89 | 0.00 | 0.00 | 37.03 | 73.11 | | | | | | | | |
| | A30BK017 | 29.01 | 6.15 | 8.76 | 3.20 | 0.00 | 0.00 | 44.88 | 92.00 | | | | | | | | |
| | A30BK018 | 29.49 | 6.25 | 9.54 | 3.48 | 0.00 | 0.00 | 45.62 | 94.38 | | | | | | | | |
| | A30BK019 | 13.97 | 4.02 | 4.99 | 1.82 | 0.45 | 0.08 | 18.42 | 43.75 | | | | | | | | |
| | A30BK020 | 18.04 | 5.18 | 8.22 | 3.00 | 0.50 | 0.09 | 23.78 | 58.81 | | | | | | | | |
| | A30BK021 | 58.20 | 12.34 | 8.86 | 3.23 | 0.00 | 0.00 | 90.04 | 172.67 | | | | | | | | |
| | A30CA001 | 5.70 | 1.21 | 1.81 | 0.66 | 0.00 | 0.00 | 8.81 | 18.19 | | | | | | | | |
| | A30CA002 | 24.63 | 5.32 | 5.55 | 2.03 | 1.15 | 0.21 | 38.21 | 77.10 | | | | | | | | |
| | A30CA007 | 8.42 | 2.43 | 5.08 | 1.85 | 0.31 | 0.06 | 11.11 | 29.26 | | | | | | | | |
| | A30CA008 | 29.45 | 6.37 | 9.02 | 3.29 | 1.47 | 0.27 | 45.69 | 95.56 | | | | | | | | |
| | A30CA009 | 36.62 | 7.77 | 9.07 | 3.31 | 0.00 | 0.00 | 56.66 | 113.43 | | | | | | | | |
| | A30XX001 | 8.41 | 2.88 | 4.91 | 1.51 | 0.70 | 0.13 | 7.63 | 26.17 | | | | | | | | |
| | A30XX002 | 9.84 | 3.30 | 4.91 | 1.51 | 0.00 | 0.00 | 8.89 | 28.45 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| A35 | | | | | | | | | | | | | | | | | |
| | A35AE001 | 1.14 | 0.21 | 0.00 | 1.95 | 0.06 | 0.01 | 1.51 | 4.88 | | | | | | | | |
| | A35AE002 | 1.18 | 0.22 | 0.00 | 2.65 | 0.06 | 0.01 | 1.56 | 5.68 | | | | | | | | |
| | A35AE003 | 1.29 | 0.24 | 0.00 | 3.00 | 0.04 | 0.01 | 1.70 | 6.28 | | | | | | | | |
| | A35AE004 | 1.42 | 0.26 | 0.00 | 3.90 | 0.04 | 0.01 | 1.87 | 7.50 | | | | | | | | |
| | A35AE005 | 1.52 | 0.29 | 0.00 | 6.10 | 0.08 | 0.01 | 2.02 | 10.02 | | | | | | | | |
| A40 | | | | | | | | | | | | | | | | | |
| | A40CA008 | 57.29 | 10.35 | 36.00 | 13.14 | 0.00 | 0.00 | 94.17 | 210.95 | | | | | | | | |
| | A40CA009 | 84.08 | 15.19 | 45.00 | 16.43 | 0.00 | 0.00 | 138.21 | 298.91 | | | | | | | | |
| | A40CW001 | 99.08 | 17.90 | 74.16 | 27.07 | 0.00 | 0.00 | 162.86 | 381.07 | | | | | | | | |
| A45 | | | | | | | | | | | | | | | | | |
| | A45AE001 | 1.21 | 0.20 | 0.00 | 7.10 | 0.06 | 0.01 | 1.81 | 10.39 | | | | | | | | |
| | A45AE002 | 2.41 | 0.38 | 0.00 | 14.25 | 0.06 | 0.01 | 3.58 | 20.69 | | | | | | | | |
| | A45AE003 | 2.84 | 0.45 | 0.00 | 16.85 | 0.06 | 0.01 | 4.22 | 24.43 | | | | | | | | |
| | A45SE002 | 3.34 | 0.52 | 2.47 | 2.28 | 0.03 | 0.01 | 4.94 | 13.59 | | | | | | | | |
| | A45SE003 | 4.54 | 0.71 | 3.71 | 3.55 | 0.07 | 0.01 | 6.73 | 19.32 | | | | | | | | |
| | A45SE004 | 2.56 | 0.41 | 1.98 | 1.33 | 0.12 | 0.02 | 3.82 | 10.24 | | | | | | | | |
| | A45XX001 | 6.72 | 1.06 | 1.09 | 0.40 | 0.13 | 0.02 | 9.98 | 19.40 | | | | | | | | |
| B10 | | | | | | | | | | | | | | | | | |
| | B10CC007 | 3.10 | 0.74 | 2.22 | 3.93 | 0.12 | 0.02 | 5.12 | 15.25 | | | | | | | | |
| | B10CC008 | 6.56 | 1.64 | 20.13 | 11.90 | 1.15 | 0.21 | 10.95 | 52.54 | | | | | | | | |
| | B10CC009 | 8.72 | 2.22 | 24.70 | 14.06 | 1.91 | 0.35 | 14.61 | 66.57 | | | | | | | | |
| | B10CC010 | 9.59 | 2.42 | 24.70 | 14.31 | 1.91 | 0.35 | 16.04 | 69.32 | | | | | | | | |
| | B10CC011 | 1.97 | 0.46 | 1.82 | 2.07 | 0.00 | 0.00 | 3.25 | 9.57 | | | | | | | | |
| | B10CC012 | 1.94 | 0.45 | 2.22 | 1.68 | 0.00 | 0.00 | 3.18 | 9.47 | | | | | | | | |
| | B10CC013 | 2.34 | 0.54 | 2.22 | 1.73 | 0.00 | 0.00 | 3.85 | 10.68 | | | | | | | | |
| | B10CC014 | 0.61 | 0.14 | 0.46 | 0.77 | 0.00 | 0.00 | 1.00 | 2.98 | | | | | | | | |
| | B10CL001 | 15.76 | 3.75 | 5.46 | 5.20 | 0.68 | 0.13 | 26.03 | 57.01 | | | | | | | | |
| | B10CL002 | 16.48 | 3.91 | 5.46 | 5.20 | 0.68 | 0.13 | 27.21 | 59.07 | | | | | | | | |
| | B10CL005 | 16.11 | 3.83 | 10.92 | 8.41 | 0.73 | 0.13 | 26.61 | 66.74 | | | | | | | | |
| | B10CL006 | 19.51 | 4.62 | 10.92 | 8.41 | 0.73 | 0.13 | 32.20 | 76.52 | | | | | | | | |
| | B10CL015 | 13.69 | 3.27 | 2.73 | 4.10 | 0.68 | 0.13 | 22.63 | 47.23 | | | | | | | | |
| | B10CL021 | 7.34 | 1.75 | 3.19 | 1.87 | 0.34 | 0.06 | 12.12 | 26.67 | | | | | | | | |
| | B10CL024 | 21.02 | 4.88 | 18.20 | 10.68 | 0.00 | 0.00 | 34.55 | 89.33 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***B10*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | B10CL025 | 23.89 | 5.57 | 18.20 | 10.68 | 0.17 | 0.03 | 39.31 | 97.85 | | | | | | | | |
| | B10CL026 | 1.83 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 5.27 | | | | | | | | |
| | B10CL027 | 1.94 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 5.58 | | | | | | | | |
| | B10CL032 | 0.37 | 0.09 | 0.91 | 0.53 | 0.00 | 0.00 | 0.61 | 2.51 | | | | | | | | |
| | B10CL033 | 0.48 | 0.11 | 1.37 | 0.80 | 0.00 | 0.00 | 0.78 | 3.54 | | | | | | | | |
| | B10CL034 | 0.74 | 0.17 | 1.82 | 1.07 | 0.00 | 0.00 | 1.22 | 5.02 | | | | | | | | |
| | B10CL035 | 0.84 | 0.19 | 2.28 | 1.34 | 0.00 | 0.00 | 1.38 | 6.03 | | | | | | | | |
| | B10CL036 | 0.31 | 0.07 | 0.73 | 0.43 | 0.00 | 0.00 | 0.51 | 2.05 | | | | | | | | |
| | B10CL038 | 0.39 | 0.09 | 1.37 | 0.80 | 0.00 | 0.00 | 0.63 | 3.28 | | | | | | | | |
| | B10CL040 | 0.43 | 0.10 | 1.82 | 1.07 | 0.00 | 0.00 | 0.71 | 4.13 | | | | | | | | |
| | B10CL041 | 0.49 | 0.11 | 1.82 | 1.07 | 0.00 | 0.00 | 0.81 | 4.30 | | | | | | | | |
| | B10CL042 | 0.28 | 0.07 | 0.46 | 0.27 | 0.00 | 0.00 | 0.46 | 1.54 | | | | | | | | |
| | B10CL043 | 0.33 | 0.08 | 0.73 | 0.43 | 0.00 | 0.00 | 0.55 | 2.12 | | | | | | | | |
| | B10CL045 | 0.36 | 0.08 | 0.91 | 0.53 | 0.00 | 0.00 | 0.60 | 2.48 | | | | | | | | |
| | B10CL046 | 0.43 | 0.10 | 0.91 | 0.53 | 0.00 | 0.00 | 0.70 | 2.67 | | | | | | | | |
| | B10EM001 | 35.81 | 8.49 | 3.09 | 3.79 | 1.37 | 0.25 | 59.10 | 111.90 | | | | | | | | |
| | B10EM002 | 0.51 | 0.17 | 1.82 | 2.07 | 0.33 | 0.06 | 0.90 | 5.86 | | | | | | | | |
| | B10EM003 | 2.46 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 4.05 | 7.08 | | | | | | | | |
| | B10IE001 | 3.76 | 0.89 | 0.27 | 1.66 | 0.14 | 0.03 | 6.21 | 12.96 | | | | | | | | |
| | B10IE002 | 4.38 | 1.02 | 0.46 | 0.77 | 0.05 | 0.01 | 7.20 | 13.89 | | | | | | | | |
| | B10IE003 | 0.57 | 0.14 | 0.27 | 0.66 | 0.05 | 0.01 | 0.95 | 2.65 | | | | | | | | |
| | B10KB001 | 11.79 | 2.78 | 8.65 | 5.08 | 0.38 | 0.07 | 19.44 | 48.19 | | | | | | | | |
| | B10KB002 | 21.63 | 5.07 | 20.02 | 11.75 | 0.43 | 0.08 | 35.63 | 94.61 | | | | | | | | |
| | B10RC006 | 16.86 | 3.97 | 4.14 | 6.93 | 0.43 | 0.08 | 27.79 | 60.20 | | | | | | | | |
| | B10RC007 | 13.90 | 3.26 | 1.37 | 3.30 | 0.29 | 0.05 | 22.90 | 45.07 | | | | | | | | |
| | B10RC008 | 14.06 | 3.30 | 2.73 | 4.10 | 0.29 | 0.05 | 23.16 | 47.69 | | | | | | | | |
| | B10RC016 | 20.65 | 4.85 | 6.83 | 9.51 | 0.43 | 0.08 | 34.03 | 76.38 | | | | | | | | |
| | B10RC027 | 12.77 | 2.97 | 3.64 | 4.14 | 0.00 | 0.00 | 20.98 | 44.50 | | | | | | | | |
| | B10RC028 | 14.35 | 3.33 | 5.46 | 5.45 | 0.00 | 0.00 | 23.58 | 52.17 | | | | | | | | |
| | B10RC029 | 16.22 | 3.77 | 7.28 | 6.77 | 0.00 | 0.00 | 26.66 | 60.70 | | | | | | | | |
| | B10RC030 | 17.68 | 4.11 | 9.10 | 9.09 | 0.00 | 0.00 | 29.06 | 69.04 | | | | | | | | |
| | B10RC031 | 18.67 | 4.34 | 10.92 | 10.41 | 0.00 | 0.00 | 30.69 | 75.03 | | | | | | | | |
| | B10RC032 | 18.46 | 4.34 | 4.55 | 7.17 | 0.43 | 0.08 | 30.42 | 65.45 | | | | | | | | |
| | B10RK001 | 46.58 | 11.02 | 8.55 | 5.12 | 1.58 | 0.29 | 76.85 | 149.99 | | | | | | | | |
| | B10SN031 | 4.51 | 1.06 | 1.37 | 2.15 | 0.14 | 0.03 | 7.44 | 16.70 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***B10*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | B10SN032 | 9.84 | 2.40 | 2.73 | 3.35 | 0.82 | 0.15 | 16.34 | 35.63 | | | | | | | | |
| | B10SN033 | 8.21 | 2.02 | 2.73 | 3.10 | 0.80 | 0.15 | 13.65 | 30.66 | | | | | | | | |
| | B10SN034 | 9.50 | 2.32 | 1.82 | 2.57 | 0.82 | 0.15 | 15.77 | 32.95 | | | | | | | | |
| | B10SN035 | 10.43 | 2.53 | 1.82 | 2.72 | 0.82 | 0.15 | 17.31 | 35.78 | | | | | | | | |
| | B10SN036 | 12.96 | 3.12 | 4.10 | 4.16 | 0.82 | 0.15 | 21.47 | 46.78 | | | | | | | | |
| **B15** | | | | | | | | | | | | | | | | | |
| | B15MB001 | 0.58 | 0.11 | 0.00 | 0.10 | 0.00 | 0.00 | 0.67 | 1.46 | | | | | | | | |
| | B15MB002 | 0.84 | 0.16 | 0.00 | 0.14 | 0.00 | 0.00 | 0.97 | 2.11 | | | | | | | | |
| | B15MB003 | 0.98 | 0.20 | 0.00 | 0.24 | 0.05 | 0.01 | 1.14 | 2.62 | | | | | | | | |
| | B15MB004 | 1.13 | 0.23 | 2.22 | 0.69 | 0.05 | 0.01 | 1.31 | 5.64 | | | | | | | | |
| | B15RS001 | 4.03 | 0.79 | 3.61 | 1.32 | 0.11 | 0.02 | 4.66 | 14.54 | | | | | | | | |
| | B15RS002 | 4.24 | 0.82 | 0.00 | 0.50 | 0.00 | 0.00 | 4.90 | 10.46 | | | | | | | | |
| | B15RS003 | 4.65 | 0.90 | 0.00 | 0.60 | 0.00 | 0.00 | 5.38 | 11.53 | | | | | | | | |
| | B15RS004 | 5.40 | 1.05 | 0.00 | 0.70 | 0.00 | 0.00 | 6.23 | 13.38 | | | | | | | | |
| **B20** | | | | | | | | | | | | | | | | | |
| | B20MQ001 | 1.40 | 0.28 | 4.32 | 1.80 | 0.03 | 0.01 | 1.83 | 9.67 | | | | | | | | |
| | B20MQ002 | 2.30 | 0.45 | 3.80 | 1.39 | 0.04 | 0.01 | 2.99 | 10.98 | | | | | | | | |
| | B20MQ003 | 2.47 | 0.49 | 16.67 | 6.96 | 0.05 | 0.01 | 3.21 | 29.86 | | | | | | | | |
| | B20MQ004 | 4.09 | 0.81 | 8.32 | 3.04 | 0.14 | 0.03 | 5.33 | 21.76 | | | | | | | | |
| | B20MQ005 | 35.26 | 6.88 | 28.51 | 11.91 | 0.32 | 0.06 | 45.87 | 128.81 | | | | | | | | |
| | B20VE001 | 2.28 | 0.45 | 3.85 | 1.41 | 0.03 | 0.01 | 2.97 | 11.00 | | | | | | | | |
| | B20VE002 | 2.75 | 0.54 | 4.85 | 1.77 | 0.06 | 0.01 | 3.58 | 13.56 | | | | | | | | |
| | B20VE003 | 1.03 | 0.21 | 2.72 | 1.13 | 0.10 | 0.02 | 1.34 | 6.55 | | | | | | | | |
| | B20VE004 | 2.24 | 0.44 | 2.38 | 0.87 | 0.06 | 0.01 | 2.92 | 8.92 | | | | | | | | |
| | B20VE005 | 2.96 | 0.58 | 3.85 | 1.41 | 0.05 | 0.01 | 3.85 | 12.71 | | | | | | | | |
| **B25** | | | | | | | | | | | | | | | | | |
| | B25GE001 | 9.64 | 1.87 | 0.00 | 0.00 | 0.00 | 0.00 | 9.48 | 20.99 | 11.87 | 1.93 | 0.00 | 0.00 | 0.00 | 0.00 | 13.35 | 27.15 |
| | B25GE002 | 10.35 | 2.01 | 0.00 | 0.00 | 0.00 | 0.00 | 10.18 | 22.54 | 12.74 | 2.07 | 0.00 | 0.00 | 0.00 | 0.00 | 14.33 | 29.14 |
| | B25GE003 | 11.09 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 10.90 | 24.14 | 13.65 | 2.21 | 0.00 | 0.00 | 0.00 | 0.00 | 15.35 | 31.21 |
| | B25GE004 | 12.29 | 2.38 | 0.00 | 0.00 | 0.00 | 0.00 | 12.09 | 26.76 | 15.13 | 2.45 | 0.00 | 0.00 | 0.00 | 0.00 | 17.01 | 34.59 |
| | B25GE005 | 13.49 | 2.62 | 0.00 | 0.00 | 0.00 | 0.00 | 13.27 | 29.38 | 16.61 | 2.69 | 0.00 | 0.00 | 0.00 | 0.00 | 18.68 | 37.98 |
| | B25GE006 | 14.65 | 2.84 | 0.00 | 0.00 | 0.00 | 0.00 | 14.41 | 31.90 | 18.04 | 2.93 | 0.00 | 0.00 | 0.00 | 0.00 | 20.28 | 41.25 |
| | B25GE007 | 15.85 | 3.07 | 0.00 | 0.00 | 0.00 | 0.00 | 15.59 | 34.51 | 19.51 | 3.17 | 0.00 | 0.00 | 0.00 | 0.00 | 21.94 | 44.62 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***B25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | B25GE008 | 17.03 | 3.30 | 0.00 | 0.00 | 0.00 | 0.00 | 16.75 | 37.08 | 20.96 | 3.40 | 0.00 | 0.00 | 0.00 | 0.00 | 23.57 | 47.93 |
| | B25GE009 | 18.24 | 3.54 | 0.00 | 0.00 | 0.00 | 0.00 | 17.94 | 39.72 | 22.45 | 3.64 | 0.00 | 0.00 | 0.00 | 0.00 | 25.24 | 51.33 |
| | B25GE010 | 19.44 | 3.77 | 0.00 | 0.00 | 0.00 | 0.00 | 19.12 | 42.33 | 23.93 | 3.88 | 0.00 | 0.00 | 0.00 | 0.00 | 26.91 | 54.72 |
| | B25GE011 | 20.07 | 3.89 | 0.00 | 0.00 | 0.00 | 0.00 | 19.73 | 43.69 | 24.70 | 4.01 | 0.00 | 0.00 | 0.00 | 0.00 | 27.77 | 56.48 |
| | B25HB001 | 1.74 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 3.79 | 2.14 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 4.89 |
| | B25HB002 | 2.01 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 4.38 | 2.47 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 2.78 | 5.65 |
| | B25HB003 | 2.79 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 2.74 | 6.07 | 3.43 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 3.86 | 7.85 |
| | B25HB004 | 2.92 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 6.36 | 3.60 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 4.04 | 8.22 |
| | B25HB005 | 3.63 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 3.57 | 7.90 | 4.46 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 5.02 | 10.20 |
| | B25HB006 | 4.01 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | 3.94 | 8.73 | 4.93 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 5.55 | 11.28 |
| | B25HB007 | 4.28 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 4.21 | 9.32 | 5.27 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 5.93 | 12.06 |
| | B25HB008 | 4.99 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 | 4.91 | 10.87 | 6.14 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.91 | 14.05 |
| | B25HB009 | 5.50 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 | 5.41 | 11.98 | 6.77 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 7.61 | 15.48 |
| | B25HB010 | 5.81 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 | 5.72 | 12.66 | 7.15 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 8.05 | 16.36 |
| | B25HB011 | 5.98 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 5.88 | 13.02 | 7.36 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 8.28 | 16.83 |
| | B25HB012 | 6.34 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 6.23 | 13.80 | 7.80 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 8.77 | 17.84 |
| | B25HB013 | 6.55 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 6.44 | 14.26 | 8.06 | 1.31 | 0.00 | 0.00 | 0.00 | 0.00 | 9.06 | 18.43 |
| | B25HB014 | 6.84 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 14.89 | 8.41 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 9.46 | 19.24 |
| | B25HB015 | 7.10 | 1.38 | 0.00 | 0.00 | 0.00 | 0.00 | 6.98 | 15.46 | 8.73 | 1.42 | 0.00 | 0.00 | 0.00 | 0.00 | 9.82 | 19.97 |
| | B25PL001 | 2.57 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 2.53 | 5.60 | 3.16 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 3.56 | 7.23 |
| | B25PL002 | 2.71 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 2.66 | 5.89 | 3.33 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 3.75 | 7.62 |
| | B25PL003 | 3.64 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 3.58 | 7.93 | 4.48 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 | 5.03 | 10.24 |
| | B25PL004 | 4.26 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 4.19 | 9.28 | 5.24 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 5.89 | 11.98 |
| | B25PL005 | 4.78 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 4.70 | 10.41 | 5.88 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 6.62 | 13.45 |
| | B25PL006 | 1.95 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 1.91 | 4.24 | 2.40 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 2.69 | 5.48 |
| | B25PL007 | 2.47 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 5.38 | 3.04 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 3.41 | 6.94 |
| | B25PL008 | 2.66 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 | 5.79 | 3.27 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 3.68 | 7.48 |
| | B25PL009 | 2.86 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 2.81 | 6.22 | 3.52 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 3.96 | 8.05 |
| | B25PL010 | 3.16 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 3.11 | 6.88 | 3.89 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 4.37 | 8.89 |
| | B25PL011 | 3.90 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 3.84 | 8.50 | 4.81 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | 5.40 | 10.99 |
| | B25PL012 | 2.13 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 4.64 | 2.62 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 2.95 | 6.00 |
| | B25PL013 | 2.60 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 5.65 | 3.20 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 3.59 | 7.31 |
| | B25PL014 | 2.91 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 2.86 | 6.33 | 3.58 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 8.18 |
| | B25PL015 | 3.03 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 2.98 | 6.60 | 3.73 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 4.20 | 8.54 |
| | B25PL016 | 3.46 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 3.40 | 7.53 | 4.26 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 | 4.79 | 9.74 |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***B25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | B25PL017 | 4.23 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 4.16 | 9.21 | 5.20 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 5.85 | 11.89 |
| **B30** | | | | | | | | | | | | | | | | | |
| | B30CR001 | 0.45 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 1.00 | | | | | | | | |
| | B30CR002 | 0.48 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 1.07 | | | | | | | | |
| | B30CR003 | 0.52 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 1.16 | | | | | | | | |
| | B30CR004 | 0.53 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 1.20 | | | | | | | | |
| | B30CR005 | 0.63 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 1.41 | | | | | | | | |
| | B30CR006 | 0.74 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.79 | 1.66 | | | | | | | | |
| | B30CR009 | 0.66 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 1.49 | | | | | | | | |
| | B30CR010 | 0.77 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 | 1.73 | | | | | | | | |
| | B30CR011 | 0.91 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 2.04 | | | | | | | | |
| | B30CR012 | 1.05 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 1.12 | 2.36 | | | | | | | | |
| | B30GB001 | 0.31 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.66 | | | | | | | | |
| | B30GB002 | 0.41 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.86 | | | | | | | | |
| | B30GB003 | 0.51 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 1.07 | | | | | | | | |
| | B30GB004 | 0.74 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 1.56 | | | | | | | | |
| | B30GB005 | 0.88 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 | 1.86 | | | | | | | | |
| | B30GB006 | 1.59 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 1.59 | 3.46 | | | | | | | | |
| | B30GB007 | 1.72 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 1.72 | 3.75 | | | | | | | | |
| | B30GB008 | 1.92 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.92 | 4.18 | | | | | | | | |
| | B30GB009 | 2.20 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 2.20 | 4.79 | | | | | | | | |
| | B30GB010 | 2.73 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 | 5.95 | | | | | | | | |
| | B30GB011 | 1.26 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 1.34 | 2.82 | | | | | | | | |
| | B30GB012 | 1.31 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 1.39 | 2.93 | | | | | | | | |
| | B30GB013 | 1.36 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 3.05 | | | | | | | | |
| | B30GB014 | 1.81 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 1.92 | 4.05 | | | | | | | | |
| | B30GB015 | 1.87 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 4.19 | | | | | | | | |
| | B30GB016 | 2.70 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 2.87 | 6.05 | | | | | | | | |
| | B30GB017 | 3.24 | 0.58 | 0.00 | 0.00 | 0.00 | 0.00 | 3.45 | 7.27 | | | | | | | | |
| **B35** | | | | | | | | | | | | | | | | | |
| | B35HE001 | 0.56 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 1.22 | 0.68 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | 1.56 |
| | B35HE002 | 0.66 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.65 | 1.44 | 0.81 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.91 | 1.85 |
| | B35HE003 | 0.87 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.86 | 1.90 | 1.08 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 2.46 |
| | B35HE004 | 1.03 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 2.25 | 1.27 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 2.91 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***B35*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | B35HE005 | 1.21 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1.19 | 2.64 | 1.49 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1.68 | 3.41 |
| | B35HE006 | 1.50 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | 3.26 | 1.84 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.21 |
| | B35HE007 | 1.65 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 3.59 | 2.03 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 2.29 | 4.65 |
| | B35HE008 | 2.02 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 4.39 | 2.48 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 2.79 | 5.67 |
| | B35HE009 | 2.14 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 4.67 | 2.64 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 2.97 | 6.04 |
| | B35HE010 | 2.59 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 2.55 | 5.64 | 3.19 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 3.58 | 7.29 |
| | B35HE011 | 2.81 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 2.76 | 6.11 | 3.45 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 3.88 | 7.89 |
| | B35HE012 | 3.07 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 6.68 | 3.77 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 4.24 | 8.62 |
| | B35HE013 | 3.40 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 3.34 | 7.40 | 4.19 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 9.58 |
| | B35HE014 | 3.93 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 3.86 | 8.55 | 4.83 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | 5.43 | 11.04 |
| | B35HE015 | 4.27 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 4.19 | 9.29 | 5.25 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 5.90 | 12.00 |
| | B35HE016 | 5.24 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 5.15 | 11.41 | 6.45 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 7.25 | 14.75 |
| | B35HE017 | 6.02 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 5.92 | 13.11 | 7.41 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 8.34 | 16.95 |
| | B35HE018 | 0.57 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 1.25 | 0.73 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 | 1.68 |
| | B35HE019 | 0.65 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 1.43 | 0.84 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 1.92 |
| | B35HE020 | 0.89 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.87 | 1.95 | 1.14 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 2.62 |
| | B35HE021 | 1.06 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 2.33 | 1.36 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 3.13 |
| | B35HE022 | 1.24 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 1.22 | 2.73 | 1.59 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 | 3.66 |
| | B35HE023 | 1.46 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 1.43 | 3.20 | 1.87 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 4.30 |
| | B35HE024 | 1.61 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 3.54 | 2.07 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 2.33 | 4.76 |
| | B35HE025 | 1.94 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 1.91 | 4.27 | 2.49 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 2.80 | 5.72 |
| | B35HE026 | 2.07 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 4.54 | 2.66 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 2.99 | 6.11 |
| | B35HE027 | 2.65 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 2.61 | 5.83 | 3.41 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 3.84 | 7.84 |
| | B35HE028 | 2.74 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 2.70 | 6.03 | 3.52 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 3.96 | 8.09 |
| | B35HE029 | 3.13 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 3.08 | 6.88 | 4.03 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 4.53 | 9.26 |
| | B35HE030 | 3.45 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 3.39 | 7.58 | 4.43 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 4.98 | 10.18 |
| | B35HE031 | 4.13 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 4.06 | 9.08 | 5.31 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 5.97 | 12.20 |
| | B35HE032 | 4.40 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 4.32 | 9.67 | 5.65 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 6.36 | 12.99 |
| | B35HE033 | 5.67 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 5.58 | 12.47 | 7.29 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 8.20 | 16.75 |
| | B35HE034 | 6.32 | 1.36 | 0.00 | 0.00 | 0.00 | 0.00 | 6.21 | 13.89 | 8.12 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 | 9.13 | 18.65 |
| | B35HE035 | 1.92 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 1.89 | 4.26 | 2.40 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 2.70 | 5.57 |
| | B35HE036 | 2.01 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 4.45 | 2.51 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 5.82 |
| | B35HE037 | 2.26 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 5.01 | 2.82 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 6.54 |
| | B35HE038 | 3.07 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 3.01 | 6.80 | 3.83 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 4.31 | 8.88 |
| | B35HE039 | 3.43 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 3.37 | 7.61 | 4.28 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 4.82 | 9.93 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***B35*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | B35HE040 | 3.54 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 3.48 | 7.86 | 4.42 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 4.97 | 10.25 |
| | B35HE041 | 3.79 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 3.73 | 8.42 | 4.74 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 5.33 | 10.99 |
| | B35HE042 | 4.80 | 1.13 | 0.00 | 0.00 | 0.00 | 0.00 | 4.72 | 10.65 | 6.00 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 6.75 | 13.91 |
| | B35HE043 | 4.94 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 4.86 | 10.97 | 6.17 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 6.94 | 14.31 |
| | B35HE044 | 6.28 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 | 6.18 | 13.94 | 7.86 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 | 8.83 | 18.21 |
| | B35HE045 | 6.49 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 | 6.39 | 14.41 | 8.12 | 1.57 | 0.00 | 0.00 | 0.00 | 0.00 | 9.13 | 18.82 |
| | B35HE046 | 7.69 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 7.56 | 17.07 | 9.62 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 10.81 | 22.29 |
| | B35HE047 | 8.22 | 1.94 | 0.00 | 0.00 | 0.00 | 0.00 | 8.08 | 18.24 | 10.27 | 1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 11.55 | 23.81 |
| | B35SA001 | 1.78 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.75 | 3.87 | 2.19 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 2.46 | 5.01 |
| | B35SA002 | 2.15 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 4.68 | 2.64 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 2.97 | 6.04 |
| | B35SA003 | 2.67 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 2.62 | 5.81 | 3.28 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 3.69 | 7.50 |
| | B35SA004 | 3.66 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 3.60 | 7.97 | 4.51 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 | 5.07 | 10.31 |
| | B35SA005 | 4.59 | 0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 4.51 | 9.99 | 5.65 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 6.35 | 12.92 |
| | B35SA006 | 5.41 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 5.32 | 11.78 | 6.66 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 7.49 | 15.23 |
| | B35SA007 | 6.09 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 5.99 | 13.26 | 7.50 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 8.43 | 17.15 |
| | B35SA008 | 7.19 | 1.39 | 0.00 | 0.00 | 0.00 | 0.00 | 7.07 | 15.65 | 8.85 | 1.44 | 0.00 | 0.00 | 0.00 | 0.00 | 9.96 | 20.25 |
| | B35SA009 | 9.12 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 8.97 | 19.86 | 11.23 | 1.82 | 0.00 | 0.00 | 0.00 | 0.00 | 12.63 | 25.68 |
| | B35SA010 | 11.14 | 2.16 | 0.00 | 0.00 | 0.00 | 0.00 | 10.95 | 24.25 | 13.71 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 15.42 | 31.35 |
| **C05** | | | | | | | | | | | | | | | | | |
| | C05OL001 | 0.13 | 0.01 | 0.39 | 0.16 | 0.00 | 0.00 | 0.48 | 1.17 | | | | | | | | |
| | C05OL002 | 0.21 | 0.01 | 0.80 | 0.33 | 0.00 | 0.00 | 0.75 | 2.10 | | | | | | | | |
| | C05OL003 | 0.25 | 0.02 | 0.89 | 0.37 | 0.00 | 0.00 | 0.91 | 2.44 | | | | | | | | |
| | C05OL004 | 0.27 | 0.02 | 0.97 | 0.40 | 0.00 | 0.00 | 0.99 | 2.65 | | | | | | | | |
| **C10** | | | | | | | | | | | | | | | | | |
| | C10BO001 | 0.73 | 0.07 | 0.51 | 0.16 | 0.00 | 0.00 | 1.20 | 2.67 | | | | | | | | |
| | C10BO002 | 0.84 | 0.09 | 0.68 | 0.21 | 0.00 | 0.00 | 1.38 | 3.20 | | | | | | | | |
| | C10BO003 | 0.51 | 0.05 | 0.68 | 0.21 | 0.00 | 0.00 | 0.84 | 2.29 | | | | | | | | |
| | C10BO004 | 0.57 | 0.06 | 1.03 | 0.32 | 0.00 | 0.00 | 0.94 | 2.92 | | | | | | | | |
| | C10BO005 | 0.81 | 0.08 | 1.03 | 0.32 | 0.00 | 0.00 | 1.33 | 3.57 | | | | | | | | |
| | C10BO007 | 1.53 | 0.16 | 0.33 | 0.10 | 0.00 | 0.00 | 2.51 | 4.63 | | | | | | | | |
| | C10BO008 | 2.94 | 0.30 | 0.53 | 0.17 | 0.00 | 0.00 | 4.82 | 8.76 | | | | | | | | |
| | C10BO009 | 1.19 | 0.14 | 0.68 | 0.21 | 0.00 | 0.00 | 2.18 | 4.40 | | | | | | | | |
| | C10BO010 | 2.82 | 0.33 | 0.26 | 0.08 | 0.00 | 0.00 | 5.18 | 8.67 | | | | | | | | |
| | C10BO011 | 3.05 | 0.36 | 0.53 | 0.17 | 0.00 | 0.00 | 5.60 | 9.71 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *C10* | *cont.* | | | | | | | | | | | | | | | | |
| | C10BO013 | 7.49 | 0.89 | 1.06 | 0.33 | 0.00 | 0.00 | 13.74 | 23.51 | | | | | | | | |
| | C10SJ001 | 0.73 | 0.07 | 0.68 | 0.21 | 0.00 | 0.00 | 1.20 | 2.89 | | | | | | | | |
| | C10SJ002 | 0.78 | 0.08 | 0.68 | 0.21 | 0.00 | 0.00 | 1.28 | 3.03 | | | | | | | | |
| | C10SJ003 | 0.81 | 0.08 | 0.68 | 0.21 | 0.00 | 0.00 | 1.33 | 3.11 | | | | | | | | |
| | C10SJ004 | 0.42 | 0.04 | 1.03 | 0.32 | 0.00 | 0.00 | 0.69 | 2.50 | | | | | | | | |
| | C10SJ005 | 0.52 | 0.05 | 1.03 | 0.32 | 0.00 | 0.00 | 0.85 | 2.77 | | | | | | | | |
| | C10SJ006 | 3.29 | 0.39 | 2.22 | 0.69 | 0.00 | 0.00 | 6.05 | 12.64 | | | | | | | | |
| | C10SJ007 | 3.57 | 0.42 | 2.22 | 0.69 | 0.00 | 0.00 | 6.55 | 13.45 | | | | | | | | |
| | C10WC003 | 1.02 | 0.10 | 0.68 | 0.21 | 0.00 | 0.00 | 1.67 | 3.68 | | | | | | | | |
| | C10WC006 | 0.70 | 0.07 | 1.37 | 0.43 | 0.00 | 0.00 | 1.15 | 3.72 | | | | | | | | |
| | C10WC007 | 2.29 | 0.23 | 1.54 | 0.48 | 0.00 | 0.00 | 3.76 | 8.30 | | | | | | | | |
| | C10WC008 | 3.05 | 0.31 | 0.40 | 0.13 | 0.00 | 0.00 | 5.01 | 8.90 | | | | | | | | |
| | C10WC010 | 2.51 | 0.30 | 1.88 | 0.59 | 0.00 | 0.00 | 4.60 | 9.88 | | | | | | | | |
| | C10WC015 | 5.45 | 0.55 | 0.93 | 0.29 | 0.00 | 0.00 | 8.95 | 16.17 | | | | | | | | |
| | C10WC016 | 7.92 | 0.94 | 1.32 | 0.41 | 0.00 | 0.00 | 14.54 | 25.13 | | | | | | | | |
| | C10WC017 | 2.87 | 0.34 | 0.60 | 0.19 | 0.00 | 0.00 | 5.26 | 9.26 | | | | | | | | |
| | C10WC018 | 0.45 | 0.05 | 0.40 | 0.13 | 0.00 | 0.00 | 0.75 | 1.78 | | | | | | | | |
| | C10WC019 | 7.81 | 0.93 | 1.32 | 0.41 | 0.00 | 0.00 | 14.33 | 24.80 | | | | | | | | |
| | C10WC020 | 0.62 | 0.06 | 0.68 | 0.21 | 0.00 | 0.00 | 1.01 | 2.58 | | | | | | | | |
| **C15** | | | | | | | | | | | | | | | | | |
| | C15BL001 | 1.40 | 0.18 | 0.00 | 0.50 | 0.00 | 0.00 | 2.05 | 4.13 | | | | | | | | |
| | C15BL003 | 5.75 | 0.74 | 0.00 | 1.50 | 0.00 | 0.00 | 8.40 | 16.39 | | | | | | | | |
| | C15BL004 | 7.15 | 0.92 | 0.00 | 1.75 | 0.00 | 0.00 | 10.45 | 20.27 | | | | | | | | |
| | C15BL005 | 9.99 | 1.29 | 0.00 | 2.00 | 0.00 | 0.00 | 14.61 | 27.89 | | | | | | | | |
| **C20** | | | | | | | | | | | | | | | | | |
| | C20AE001 | 0.53 | 0.08 | 0.67 | 0.28 | 0.09 | 0.02 | 0.63 | 2.30 | | | | | | | | |
| | C20AI006 | 1.69 | 0.23 | 1.73 | 0.72 | 0.09 | 0.02 | 1.95 | 6.43 | | | | | | | | |
| | C20AI008 | 1.26 | 0.17 | 1.06 | 0.44 | 0.04 | 0.01 | 1.44 | 4.42 | | | | | | | | |
| | C20AI009 | 2.51 | 0.33 | 2.13 | 0.89 | 0.07 | 0.01 | 2.87 | 8.81 | | | | | | | | |
| | C20WC002 | 1.76 | 0.25 | 1.73 | 0.72 | 0.13 | 0.02 | 2.03 | 6.64 | | | | | | | | |
| **C25** | | | | | | | | | | | | | | | | | |
| | C25AJ001 | 1.12 | 0.17 | 1.06 | 0.44 | 0.00 | 0.00 | 1.45 | 4.24 | | | | | | | | |
| | C25AJ002 | 6.41 | 1.81 | 2.72 | 1.51 | 0.00 | 0.00 | 7.14 | 19.59 | | | | | | | | |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *C25* | *cont.* | | | | | | | | | | | | | | | | |
| | C25AJ003 | 0.95 | 0.15 | 1.20 | 0.50 | 0.00 | 0.00 | 1.24 | 4.04 | | | | | | | | |
| | C25AJ004 | 1.40 | 0.22 | 1.20 | 0.50 | 0.00 | 0.00 | 1.82 | 5.14 | | | | | | | | |
| | C25AJ005 | 1.65 | 0.26 | 1.46 | 0.61 | 0.00 | 0.00 | 2.15 | 6.13 | | | | | | | | |
| | C25AJ006 | 1.98 | 0.31 | 1.46 | 0.61 | 0.00 | 0.00 | 2.57 | 6.93 | | | | | | | | |
| | C25AJ007 | 2.10 | 0.33 | 1.46 | 0.61 | 0.00 | 0.00 | 2.74 | 7.24 | | | | | | | | |
| | C25AJ008 | 0.90 | 0.25 | 0.68 | 0.38 | 0.00 | 0.00 | 1.00 | 3.21 | | | | | | | | |
| | C25AJ009 | 0.96 | 0.27 | 0.68 | 0.38 | 0.00 | 0.00 | 1.07 | 3.36 | | | | | | | | |
| | C25AJ010 | 1.05 | 0.30 | 0.68 | 0.38 | 0.00 | 0.00 | 1.17 | 3.58 | | | | | | | | |
| | C25AJ011 | 1.14 | 0.32 | 0.68 | 0.38 | 0.00 | 0.00 | 1.27 | 3.79 | | | | | | | | |
| | C25AJ012 | 1.22 | 0.34 | 0.68 | 0.38 | 0.00 | 0.00 | 1.36 | 3.98 | | | | | | | | |
| | C25AJ013 | 1.31 | 0.37 | 0.68 | 0.38 | 0.00 | 0.00 | 1.46 | 4.20 | | | | | | | | |
| | C25AJ014 | 1.24 | 0.19 | 2.66 | 1.11 | 0.00 | 0.00 | 1.61 | 6.81 | | | | | | | | |
| | C25AJ015 | 1.64 | 0.25 | 2.66 | 1.11 | 0.00 | 0.00 | 2.13 | 7.79 | | | | | | | | |
| | C25AJ016 | 1.72 | 0.27 | 2.66 | 1.11 | 0.00 | 0.00 | 2.24 | 8.00 | | | | | | | | |
| | C25AJ017 | 1.80 | 0.28 | 3.33 | 1.39 | 0.00 | 0.00 | 2.34 | 9.14 | | | | | | | | |
| | C25AJ018 | 1.97 | 0.30 | 3.33 | 1.39 | 0.00 | 0.00 | 2.56 | 9.55 | | | | | | | | |
| | C25AJ019 | 2.76 | 0.43 | 3.72 | 1.55 | 0.00 | 0.00 | 3.58 | 12.04 | | | | | | | | |
| | C25AJ020 | 3.77 | 0.58 | 3.33 | 1.39 | 0.00 | 0.00 | 4.90 | 13.97 | | | | | | | | |
| | C25ST001 | 0.34 | 0.05 | 1.20 | 0.50 | 0.00 | 0.00 | 0.45 | 2.54 | | | | | | | | |
| | C25ST002 | 0.37 | 0.06 | 1.20 | 0.50 | 0.00 | 0.00 | 0.48 | 2.61 | | | | | | | | |
| | C25ST003 | 0.34 | 0.05 | 0.73 | 0.30 | 0.00 | 0.00 | 0.44 | 1.86 | | | | | | | | |
| | C25SV001 | 19.43 | 5.50 | 2.71 | 1.33 | 0.20 | 0.04 | 21.69 | 50.90 | | | | | | | | |
| | C25SV002 | 15.86 | 4.49 | 2.71 | 1.33 | 0.15 | 0.03 | 17.70 | 42.27 | | | | | | | | |
| | C25SV003 | 10.50 | 2.98 | 1.26 | 0.62 | 0.15 | 0.03 | 11.72 | 27.26 | | | | | | | | |
| | C25SV004 | 8.63 | 2.47 | 1.24 | 0.61 | 0.22 | 0.04 | 9.66 | 22.87 | | | | | | | | |
| | C25WC001 | 0.39 | 0.06 | 0.67 | 0.28 | 0.00 | 0.00 | 0.50 | 1.90 | | | | | | | | |
| | C25WC002 | 0.49 | 0.08 | 1.06 | 0.44 | 0.00 | 0.00 | 0.63 | 2.70 | | | | | | | | |
| | C25WC003 | 1.81 | 0.28 | 2.66 | 1.11 | 0.00 | 0.00 | 2.35 | 8.21 | | | | | | | | |
| **C35** | | | | | | | | | | | | | | | | | |
| | C35AF001 | 2.21 | 0.50 | 0.00 | 0.30 | 0.00 | 0.00 | 3.44 | 6.45 | | | | | | | | |
| | C35AF002 | 1.25 | 0.30 | 0.00 | 2.00 | 0.08 | 0.01 | 1.97 | 5.61 | | | | | | | | |
| | C35AF003 | 1.44 | 0.34 | 0.00 | 2.00 | 0.08 | 0.01 | 2.27 | 6.14 | | | | | | | | |
| | C35AF004 | 3.14 | 0.72 | 4.28 | 3.79 | 0.08 | 0.01 | 4.92 | 16.94 | | | | | | | | |
| | C35AF005 | 5.31 | 1.23 | 3.03 | 3.11 | 0.16 | 0.03 | 8.34 | 21.21 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***C35*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | C35AL002 | 3.33 | 0.78 | 1.46 | 0.53 | 0.16 | 0.03 | 5.24 | 11.53 | | | | | | | | |
| | C35AL003 | 1.43 | 0.35 | 0.00 | 0.19 | 0.16 | 0.03 | 2.28 | 4.44 | | | | | | | | |
| | C35AL008 | 2.47 | 0.56 | 0.00 | 0.30 | 0.00 | 0.00 | 3.86 | 7.19 | | | | | | | | |
| | C35AL009 | 2.75 | 0.62 | 0.00 | 0.40 | 0.00 | 0.00 | 4.29 | 8.06 | | | | | | | | |
| | C35AL013 | 1.34 | 0.32 | 0.00 | 0.40 | 0.08 | 0.01 | 2.12 | 4.27 | | | | | | | | |
| | C35AL014 | 6.26 | 1.42 | 2.81 | 1.03 | 0.03 | 0.01 | 9.77 | 21.33 | | | | | | | | |
| | C35AV006 | 8.24 | 1.88 | 2.10 | 3.23 | 0.09 | 0.02 | 12.87 | 28.43 | | | | | | | | |
| | C35AV008 | 2.47 | 0.56 | 0.74 | 2.43 | 0.00 | 0.00 | 3.86 | 10.06 | | | | | | | | |
| | C35AV009 | 3.02 | 0.68 | 1.68 | 2.99 | 0.00 | 0.00 | 4.70 | 13.07 | | | | | | | | |
| | C35AV010 | 5.43 | 1.23 | 2.73 | 3.60 | 0.00 | 0.00 | 8.48 | 21.47 | | | | | | | | |
| | C35AV011 | 8.65 | 1.96 | 1.26 | 2.74 | 0.00 | 0.00 | 13.49 | 28.10 | | | | | | | | |
| | C35AV012 | 12.46 | 2.82 | 2.10 | 3.73 | 0.00 | 0.00 | 19.44 | 40.55 | | | | | | | | |
| **C40** | | | | | | | | | | | | | | | | | |
| | C40MU001 | 0.42 | 0.06 | 1.06 | 0.44 | 0.00 | 0.00 | 0.54 | 2.52 | | | | | | | | |
| | C40MU002 | 0.88 | 0.14 | 1.73 | 0.72 | 0.00 | 0.00 | 1.15 | 4.62 | | | | | | | | |
| | C40MU003 | 0.43 | 0.07 | 1.06 | 0.44 | 0.00 | 0.00 | 0.56 | 2.56 | | | | | | | | |
| | C40MU004 | 0.50 | 0.08 | 1.06 | 0.44 | 0.00 | 0.00 | 0.65 | 2.73 | | | | | | | | |
| | C40MX001 | 3.79 | 0.61 | 0.93 | 0.34 | 0.16 | 0.03 | 4.98 | 10.84 | | | | | | | | |
| | C40MX002 | 0.71 | 0.11 | 0.00 | 1.00 | 0.00 | 0.00 | 0.92 | 2.74 | | | | | | | | |
| | C40MX003 | 6.90 | 1.09 | 2.70 | 0.99 | 0.16 | 0.03 | 9.01 | 20.88 | | | | | | | | |
| | C40MX006 | 6.25 | 0.97 | 0.00 | 1.75 | 0.00 | 0.00 | 8.13 | 17.10 | | | | | | | | |
| | C40MX007 | 5.64 | 0.87 | 0.00 | 1.65 | 0.00 | 0.00 | 7.33 | 15.49 | | | | | | | | |
| | C40ST001 | 0.31 | 0.05 | 0.10 | 0.27 | 0.00 | 0.00 | 0.41 | 1.14 | | | | | | | | |
| | C40ST002 | 0.35 | 0.05 | 0.73 | 0.30 | 0.00 | 0.00 | 0.45 | 1.88 | | | | | | | | |
| | C40ST003 | 0.47 | 0.07 | 0.10 | 0.32 | 0.00 | 0.00 | 0.60 | 1.56 | | | | | | | | |
| | C40ST004 | 0.51 | 0.08 | 1.06 | 0.44 | 0.00 | 0.00 | 0.66 | 2.75 | | | | | | | | |
| | C40ST005 | 0.60 | 0.09 | 0.15 | 0.40 | 0.00 | 0.00 | 0.78 | 2.02 | | | | | | | | |
| | C40ST006 | 0.62 | 0.10 | 1.06 | 0.44 | 0.00 | 0.00 | 0.81 | 3.03 | | | | | | | | |
| **C45** | | | | | | | | | | | | | | | | | |
| | C45CW001 | 67.41 | 12.18 | 14.04 | 5.13 | 0.00 | 0.00 | 110.81 | 209.57 | | | | | | | | |
| | C45GO004 | 32.70 | 5.91 | 10.39 | 3.79 | 0.00 | 0.00 | 53.75 | 106.54 | | | | | | | | |
| | C45GO010 | 15.86 | 2.86 | 5.17 | 1.89 | 0.00 | 0.00 | 26.07 | 51.85 | | | | | | | | |
| | C45GO011 | 19.90 | 3.59 | 9.49 | 3.46 | 0.00 | 0.00 | 32.70 | 69.14 | | | | | | | | |
| | C45GO012 | 35.52 | 6.42 | 9.49 | 3.46 | 0.00 | 0.00 | 58.38 | 113.27 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***C45*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | C45GO013 | 14.06 | 2.54 | 3.93 | 1.43 | 0.00 | 0.00 | 23.12 | 45.08 | | | | | | | | |
| | C45GO014 | 18.89 | 3.41 | 5.17 | 1.89 | 0.00 | 0.00 | 31.06 | 60.42 | | | | | | | | |
| | C45GO015 | 34.05 | 6.15 | 12.92 | 4.72 | 0.00 | 0.00 | 55.98 | 113.82 | | | | | | | | |
| | C45GO016 | 44.61 | 8.06 | 12.92 | 4.72 | 0.00 | 0.00 | 73.32 | 143.63 | | | | | | | | |
| | C45GO017 | 53.77 | 9.71 | 14.04 | 5.13 | 0.00 | 0.00 | 88.38 | 171.03 | | | | | | | | |
| | C45GO018 | 63.66 | 11.50 | 14.04 | 5.13 | 0.00 | 0.00 | 104.64 | 198.97 | | | | | | | | |
| | C45GO019 | 58.22 | 10.52 | 18.25 | 6.66 | 0.00 | 0.00 | 95.70 | 189.35 | | | | | | | | |
| | C45GO020 | 69.10 | 12.48 | 18.25 | 6.66 | 0.00 | 0.00 | 113.58 | 220.07 | | | | | | | | |
| | C45GO024 | 6.68 | 1.21 | 4.56 | 1.90 | 0.00 | 0.00 | 10.98 | 25.33 | | | | | | | | |
| | C45GO025 | 8.65 | 1.56 | 6.84 | 2.85 | 0.00 | 0.00 | 14.22 | 34.12 | | | | | | | | |
| | C45GO030 | 35.04 | 6.33 | 18.25 | 6.66 | 0.00 | 0.00 | 57.60 | 123.88 | | | | | | | | |
| | C45GO031 | 44.55 | 8.05 | 18.25 | 6.66 | 0.00 | 0.00 | 73.23 | 150.74 | | | | | | | | |
| | C45MJ001 | 0.99 | 0.18 | 2.00 | 0.83 | 0.00 | 0.00 | 1.63 | 5.63 | | | | | | | | |
| **C55** | | | | | | | | | | | | | | | | | |
| | C55MO001 | 2.95 | 0.58 | 3.99 | 1.66 | 0.03 | 0.01 | 4.27 | 13.49 | | | | | | | | |
| | C55MO002 | 5.71 | 1.11 | 4.15 | 1.52 | 0.03 | 0.01 | 8.25 | 20.78 | | | | | | | | |
| | C55MO003 | 6.34 | 1.23 | 5.70 | 2.08 | 0.03 | 0.01 | 9.17 | 24.56 | | | | | | | | |
| | C55MO004 | 7.67 | 1.49 | 5.70 | 2.08 | 0.03 | 0.01 | 11.09 | 28.07 | | | | | | | | |
| | C55MO007 | 21.94 | 4.28 | 14.13 | 5.16 | 0.25 | 0.05 | 31.71 | 77.52 | | | | | | | | |
| | C55MO013 | 31.70 | 6.19 | 17.24 | 6.29 | 0.43 | 0.08 | 45.82 | 107.75 | | | | | | | | |
| | C55MO014 | 31.02 | 6.06 | 17.24 | 6.29 | 0.43 | 0.08 | 44.84 | 105.96 | | | | | | | | |
| | C55MO015 | 45.25 | 8.82 | 17.24 | 6.29 | 0.43 | 0.08 | 65.39 | 143.50 | | | | | | | | |
| | C55MO016 | 10.90 | 2.13 | 9.18 | 3.35 | 0.16 | 0.03 | 15.76 | 41.51 | | | | | | | | |
| | C55MO017 | 11.58 | 2.27 | 9.18 | 3.35 | 0.16 | 0.03 | 16.74 | 43.31 | | | | | | | | |
| | C55SC001 | 7.27 | 1.41 | 4.15 | 1.52 | 0.03 | 0.01 | 10.50 | 24.89 | | | | | | | | |
| | C55SC002 | 15.76 | 3.08 | 9.18 | 3.35 | 0.16 | 0.03 | 22.78 | 54.34 | | | | | | | | |
| | C55SC005 | 23.84 | 4.67 | 15.12 | 5.52 | 0.50 | 0.09 | 34.47 | 84.21 | | | | | | | | |
| | C55SC006 | 30.31 | 5.93 | 15.12 | 5.52 | 0.53 | 0.10 | 43.81 | 101.32 | | | | | | | | |
| | C55SC007 | 40.47 | 7.94 | 16.56 | 6.05 | 0.92 | 0.17 | 58.53 | 130.64 | | | | | | | | |
| | C55SC008 | 49.29 | 9.67 | 16.56 | 6.05 | 1.13 | 0.21 | 71.28 | 154.19 | | | | | | | | |
| | C55SC009 | 63.03 | 12.33 | 25.20 | 9.20 | 1.13 | 0.21 | 91.13 | 202.23 | | | | | | | | |
| **C60** | | | | | | | | | | | | | | | | | |
| | C60CQ001 | 1.47 | 0.22 | 5.99 | 2.50 | 0.00 | 0.00 | 2.12 | 12.30 | | | | | | | | |
| | C60CQ002 | 0.33 | 0.05 | 1.37 | 0.57 | 0.00 | 0.00 | 0.48 | 2.80 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *C60* | *cont.* | | | | | | | | | | | | | | | | |
| | C60CQ003 | 0.39 | 0.06 | 2.22 | 0.93 | 0.00 | 0.00 | 0.56 | 4.16 | | | | | | | | |
| | C60CQ004 | 0.42 | 0.06 | 0.63 | 0.37 | 0.00 | 0.00 | 0.61 | 2.09 | | | | | | | | |
| | C60CQ005 | 0.30 | 0.05 | 1.88 | 0.78 | 0.00 | 0.00 | 0.44 | 3.45 | | | | | | | | |
| | C60CQ006 | 0.48 | 0.07 | 2.22 | 0.93 | 0.00 | 0.00 | 0.70 | 4.40 | | | | | | | | |
| | C60CQ007 | 0.71 | 0.11 | 1.01 | 0.59 | 0.00 | 0.00 | 1.03 | 3.45 | | | | | | | | |
| | C60CQ008 | 0.58 | 0.09 | 2.74 | 1.14 | 0.00 | 0.00 | 0.84 | 5.39 | | | | | | | | |
| | C60CQ009 | 1.50 | 0.23 | 2.52 | 1.48 | 0.00 | 0.00 | 2.16 | 7.89 | | | | | | | | |
| | C60CQ010 | 2.25 | 0.34 | 18.55 | 9.19 | 0.00 | 0.00 | 3.25 | 33.58 | | | | | | | | |
| | C60CQ011 | 1.91 | 0.29 | 11.12 | 4.64 | 0.00 | 0.00 | 2.76 | 20.72 | | | | | | | | |
| | C60CQ012 | 1.93 | 0.29 | 11.12 | 4.64 | 0.00 | 0.00 | 2.79 | 20.77 | | | | | | | | |
| | C60CQ013 | 2.03 | 0.31 | 11.12 | 4.64 | 0.00 | 0.00 | 2.93 | 21.03 | | | | | | | | |
| | C60CQ014 | 1.90 | 0.29 | 3.78 | 2.22 | 0.00 | 0.00 | 2.75 | 10.94 | | | | | | | | |
| | C60CQ015 | 3.28 | 0.50 | 47.69 | 23.63 | 0.00 | 0.00 | 4.74 | 79.84 | | | | | | | | |
| | C60CQ016 | 3.30 | 0.50 | 47.69 | 23.63 | 0.00 | 0.00 | 4.77 | 79.89 | | | | | | | | |
| | C60CQ017 | 3.94 | 0.60 | 47.69 | 23.63 | 0.00 | 0.00 | 5.69 | 81.55 | | | | | | | | |
| | C60FE001 | 0.16 | 0.02 | 0.17 | 0.07 | 0.00 | 0.00 | 0.23 | 0.65 | | | | | | | | |
| | C60FE002 | 0.17 | 0.03 | 0.34 | 0.14 | 0.00 | 0.00 | 0.24 | 0.92 | | | | | | | | |
| | C60FE006 | 0.32 | 0.05 | 1.37 | 0.57 | 0.00 | 0.00 | 0.46 | 2.77 | | | | | | | | |
| | C60FE007 | 0.39 | 0.06 | 2.22 | 0.93 | 0.00 | 0.00 | 0.57 | 4.17 | | | | | | | | |
| | C60FE009 | 1.19 | 0.18 | 3.42 | 1.43 | 0.00 | 0.00 | 1.72 | 7.94 | | | | | | | | |
| | C60LY001 | 3.04 | 0.46 | 1.71 | 0.71 | 0.00 | 0.00 | 4.39 | 10.31 | | | | | | | | |
| | C60LY002 | 4.85 | 0.74 | 5.99 | 2.50 | 0.00 | 0.00 | 7.00 | 21.08 | | | | | | | | |
| | C60LY005 | 0.30 | 0.05 | 1.88 | 0.78 | 0.00 | 0.00 | 0.44 | 3.45 | | | | | | | | |
| | C60LY011 | 7.45 | 1.13 | 34.44 | 17.06 | 0.00 | 0.00 | 10.76 | 70.84 | | | | | | | | |
| | C60LY012 | 0.36 | 0.05 | 1.37 | 0.57 | 0.00 | 0.00 | 0.51 | 2.86 | | | | | | | | |
| **C65** | | | | | | | | | | | | | | | | | |
| | C65ST007 | 0.20 | 0.02 | 0.09 | 0.05 | 0.00 | 0.00 | 0.71 | 1.07 | | | | | | | | |
| | C65ST008 | 0.23 | 0.03 | 0.18 | 0.11 | 0.00 | 0.00 | 0.80 | 1.35 | | | | | | | | |
| | C65ST009 | 0.28 | 0.03 | 0.27 | 0.16 | 0.00 | 0.00 | 0.98 | 1.72 | | | | | | | | |
| | C65ST010 | 0.21 | 0.02 | 0.09 | 0.05 | 0.00 | 0.00 | 0.71 | 1.08 | | | | | | | | |
| | C65ST011 | 0.26 | 0.03 | 0.18 | 0.11 | 0.00 | 0.00 | 0.90 | 1.48 | | | | | | | | |
| | C65ST012 | 0.29 | 0.03 | 0.27 | 0.16 | 0.00 | 0.00 | 1.01 | 1.76 | | | | | | | | |
| | C65ST013 | 0.39 | 0.04 | 0.68 | 0.28 | 0.00 | 0.00 | 1.34 | 2.73 | | | | | | | | |
| | C65WC003 | 0.52 | 0.06 | 0.18 | 0.25 | 0.00 | 0.00 | 1.83 | 2.84 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *C65* | *cont.* | | | | | | | | | | | | | | | | |
| | C65WC004 | 0.28 | 0.03 | 0.27 | 0.30 | 0.00 | 0.00 | 0.98 | 1.86 | | | | | | | | |
| | C65WC005 | 0.35 | 0.04 | 0.62 | 0.40 | 0.00 | 0.00 | 1.23 | 2.64 | | | | | | | | |
| | C65XX001 | 0.20 | 0.02 | 0.00 | 0.06 | 0.00 | 0.00 | 0.68 | 0.96 | | | | | | | | |
| | C65XX002 | 0.24 | 0.03 | 0.00 | 0.08 | 0.00 | 0.00 | 0.82 | 1.17 | | | | | | | | |
| | C65XX003 | 0.26 | 0.03 | 0.00 | 0.10 | 0.00 | 0.00 | 0.91 | 1.30 | | | | | | | | |
| | C65XX004 | 0.32 | 0.03 | 0.00 | 0.13 | 0.00 | 0.00 | 1.10 | 1.58 | | | | | | | | |
| | C65XX005 | 0.58 | 0.06 | 0.00 | 0.15 | 0.00 | 0.00 | 2.00 | 2.79 | | | | | | | | |
| C75 | | | | | | | | | | | | | | | | | |
| | C75BD004 | 3.91 | 1.40 | 5.99 | 2.50 | 0.18 | 0.03 | 4.76 | 18.77 | | | | | | | | |
| | C75BD005 | 5.07 | 1.81 | 9.41 | 3.93 | 0.24 | 0.04 | 6.17 | 26.67 | | | | | | | | |
| | C75BD006 | 7.43 | 2.67 | 15.68 | 6.54 | 0.47 | 0.09 | 9.05 | 41.93 | | | | | | | | |
| | C75GV006 | 14.00 | 5.00 | 7.30 | 2.86 | 1.18 | 0.22 | 17.03 | 47.59 | | | | | | | | |
| | C75GV014 | 35.43 | 12.77 | 11.12 | 4.35 | 5.15 | 0.95 | 43.17 | 112.94 | | | | | | | | |
| | C75GV016 | 52.30 | 18.88 | 14.04 | 5.49 | 8.06 | 1.49 | 63.74 | 164.00 | | | | | | | | |
| | C75GV019 | 32.98 | 11.92 | 9.94 | 3.89 | 5.38 | 0.99 | 40.20 | 105.30 | | | | | | | | |
| | C75GV020 | 41.78 | 15.02 | 14.04 | 5.49 | 5.38 | 0.99 | 50.89 | 133.59 | | | | | | | | |
| | C75GV021 | 5.98 | 2.13 | 8.84 | 3.69 | 0.27 | 0.05 | 7.27 | 28.23 | | | | | | | | |
| | C75GV022 | 7.16 | 2.57 | 6.18 | 2.42 | 0.53 | 0.10 | 8.72 | 27.68 | | | | | | | | |
| | C75GV023 | 16.57 | 6.14 | 8.54 | 3.34 | 5.21 | 0.96 | 20.28 | 61.04 | | | | | | | | |
| | C75GV024 | 23.82 | 8.69 | 8.54 | 3.34 | 5.21 | 0.96 | 29.08 | 79.64 | | | | | | | | |
| | C75GV025 | 39.83 | 14.32 | 11.12 | 4.35 | 5.15 | 0.95 | 48.52 | 124.24 | | | | | | | | |
| | C75LB007 | 16.19 | 5.81 | 8.54 | 3.34 | 1.64 | 0.30 | 19.71 | 55.53 | | | | | | | | |
| | C75LB008 | 23.23 | 8.33 | 9.27 | 3.63 | 2.28 | 0.42 | 28.28 | 75.44 | | | | | | | | |
| | C75LB009 | 28.34 | 10.54 | 12.07 | 4.72 | 3.37 | 0.62 | 34.70 | 94.36 | | | | | | | | |
| | C75LB010 | 31.99 | 11.82 | 11.79 | 4.61 | 3.37 | 0.62 | 39.13 | 103.33 | | | | | | | | |
| | C75LB011 | 33.26 | 12.27 | 11.79 | 4.61 | 3.37 | 0.62 | 40.68 | 106.60 | | | | | | | | |
| | C75TD003 | 18.43 | 6.63 | 10.11 | 3.95 | 2.48 | 0.46 | 22.45 | 64.51 | | | | | | | | |
| | C75TD006 | 21.61 | 7.78 | 13.87 | 5.43 | 2.94 | 0.54 | 26.32 | 78.49 | | | | | | | | |
| | C75TD007 | 34.17 | 12.43 | 13.87 | 5.43 | 3.91 | 0.72 | 41.70 | 112.23 | | | | | | | | |
| | C75TD008 | 31.84 | 11.54 | 13.87 | 5.43 | 5.76 | 1.06 | 38.84 | 108.34 | | | | | | | | |
| | C75TE001 | 17.45 | 6.25 | 7.30 | 2.86 | 1.64 | 0.30 | 21.25 | 57.05 | | | | | | | | |
| | C75TE002 | 23.91 | 8.57 | 8.54 | 3.34 | 2.28 | 0.42 | 29.11 | 76.17 | | | | | | | | |
| | C75TE003 | 22.68 | 8.22 | 9.77 | 3.82 | 4.08 | 0.75 | 27.66 | 76.98 | | | | | | | | |
| | C75TE004 | 26.59 | 9.92 | 12.07 | 4.72 | 3.37 | 0.62 | 32.58 | 89.87 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *C75* | *cont.* | | | | | | | | | | | | | | | | |
| | C75TE005 | 36.56 | 13.43 | 14.60 | 5.71 | 3.37 | 0.62 | 44.68 | 118.97 | | | | | | | | |
| | C75TE006 | 39.68 | 14.53 | 14.60 | 5.71 | 3.37 | 0.62 | 48.47 | 126.98 | | | | | | | | |
| | C75TE007 | 46.21 | 16.65 | 14.60 | 5.71 | 6.68 | 1.23 | 56.31 | 147.39 | | | | | | | | |
| C80 | | | | | | | | | | | | | | | | | |
| | C80GV006 | 24.14 | 10.84 | 19.01 | 6.44 | 0.68 | 0.13 | 25.68 | 86.92 | 28.97 | 10.96 | 25.34 | 8.59 | 0.82 | 0.15 | 33.03 | 107.86 |
| | C80GV013 | 46.88 | 25.48 | 12.38 | 4.20 | 3.41 | 0.63 | 64.12 | 157.10 | 57.30 | 25.73 | 15.75 | 5.34 | 4.27 | 0.79 | 82.75 | 191.93 |
| | C80GV014 | 59.96 | 32.52 | 12.38 | 4.20 | 3.41 | 0.63 | 81.98 | 195.08 | 73.28 | 32.84 | 15.75 | 5.34 | 4.27 | 0.79 | 105.81 | 238.08 |
| | C80GV015 | 64.74 | 35.10 | 12.77 | 4.33 | 3.41 | 0.63 | 88.52 | 209.50 | 79.13 | 35.45 | 16.21 | 5.49 | 4.27 | 0.79 | 114.24 | 255.58 |
| | C80GV016 | 82.26 | 44.58 | 17.39 | 5.89 | 3.98 | 0.73 | 112.45 | 267.28 | 100.54 | 45.02 | 22.41 | 7.60 | 4.92 | 0.91 | 145.14 | 326.54 |
| | C80GV020 | 31.24 | 15.48 | 19.01 | 6.44 | 1.03 | 0.19 | 37.97 | 111.36 | 39.05 | 15.68 | 25.34 | 8.59 | 1.25 | 0.23 | 50.46 | 140.60 |
| | C80GV021 | 41.60 | 20.63 | 19.01 | 6.44 | 1.58 | 0.29 | 50.58 | 140.13 | 52.00 | 20.90 | 25.34 | 8.59 | 1.95 | 0.36 | 67.20 | 176.34 |
| | C80GV022 | 49.13 | 24.27 | 19.01 | 6.44 | 1.03 | 0.19 | 59.69 | 159.76 | 61.41 | 24.59 | 25.34 | 8.59 | 1.25 | 0.23 | 79.32 | 200.73 |
| | C80GV023 | 36.33 | 17.98 | 15.92 | 5.40 | 1.03 | 0.19 | 44.16 | 121.01 | 45.41 | 18.22 | 21.23 | 7.20 | 1.25 | 0.23 | 58.67 | 152.21 |
| | C80GV024 | 40.58 | 20.07 | 15.92 | 5.40 | 1.03 | 0.19 | 49.31 | 132.50 | 50.72 | 20.33 | 21.23 | 7.20 | 1.25 | 0.23 | 65.52 | 166.48 |
| | C80GV025 | 19.71 | 8.85 | 14.26 | 4.83 | 0.59 | 0.11 | 20.96 | 69.31 | 23.65 | 8.95 | 19.01 | 6.44 | 0.71 | 0.13 | 26.96 | 85.85 |
| | C80GV026 | 26.47 | 11.92 | 16.58 | 5.62 | 1.10 | 0.20 | 28.17 | 90.06 | 31.77 | 12.06 | 22.11 | 7.50 | 1.34 | 0.25 | 36.24 | 111.27 |
| | C80LB001 | 22.24 | 11.08 | 17.34 | 5.88 | 1.26 | 0.23 | 27.06 | 85.09 | 27.80 | 11.23 | 23.13 | 7.84 | 1.54 | 0.28 | 35.95 | 107.77 |
| | C80LB002 | 29.91 | 14.87 | 20.43 | 6.93 | 1.45 | 0.27 | 36.38 | 110.24 | 37.39 | 15.07 | 27.24 | 9.23 | 1.79 | 0.33 | 48.34 | 139.39 |
| | C80LB003 | 21.50 | 9.72 | 17.34 | 5.88 | 1.26 | 0.23 | 22.89 | 78.82 | 25.80 | 9.84 | 23.13 | 7.84 | 1.54 | 0.28 | 29.45 | 97.88 |
| | C80LB004 | 17.95 | 8.10 | 16.63 | 5.64 | 0.87 | 0.16 | 19.11 | 68.46 | 21.54 | 8.19 | 22.18 | 7.52 | 1.08 | 0.20 | 24.58 | 85.29 |
| | C80LB005 | 14.64 | 5.94 | 9.03 | 4.24 | 0.92 | 0.17 | 13.37 | 48.31 | 18.02 | 6.02 | 12.04 | 5.65 | 1.17 | 0.22 | 17.84 | 60.96 |
| | C80LB006 | 17.04 | 6.89 | 9.50 | 4.46 | 0.83 | 0.15 | 15.55 | 54.42 | 20.97 | 6.99 | 12.67 | 5.95 | 1.03 | 0.19 | 20.74 | 68.54 |
| | C80LB007 | 15.21 | 6.87 | 9.50 | 3.22 | 0.83 | 0.15 | 16.19 | 51.97 | 18.25 | 6.95 | 12.67 | 4.30 | 1.03 | 0.19 | 20.83 | 64.22 |
| | C80LB008 | 16.10 | 7.27 | 9.98 | 3.38 | 0.83 | 0.15 | 17.14 | 54.85 | 19.32 | 7.35 | 13.31 | 4.51 | 1.03 | 0.19 | 22.05 | 67.76 |
| | C80LB009 | 20.50 | 9.24 | 11.12 | 3.77 | 0.91 | 0.17 | 21.82 | 67.53 | 24.60 | 9.35 | 14.83 | 5.03 | 1.09 | 0.20 | 28.07 | 83.17 |
| | C80TD001 | 24.43 | 12.39 | 9.94 | 3.37 | 3.22 | 0.59 | 29.80 | 83.74 | 30.54 | 12.55 | 12.56 | 4.26 | 4.02 | 0.74 | 39.60 | 104.27 |
| | C80TD002 | 30.59 | 15.41 | 12.01 | 4.08 | 3.06 | 0.56 | 37.28 | 102.99 | 38.23 | 15.61 | 15.26 | 5.17 | 3.71 | 0.68 | 49.53 | 128.19 |
| | C80TD005 | 33.35 | 18.44 | 31.37 | 10.64 | 3.90 | 0.72 | 45.74 | 144.16 | 40.76 | 18.63 | 40.81 | 13.84 | 4.79 | 0.88 | 59.03 | 178.74 |
| | C80TE001 | 17.09 | 7.69 | 11.88 | 4.03 | 0.71 | 0.13 | 18.19 | 59.72 | 20.51 | 7.78 | 15.84 | 5.37 | 0.88 | 0.16 | 23.39 | 73.93 |
| | C80TE002 | 13.70 | 6.20 | 11.88 | 4.03 | 0.84 | 0.15 | 14.59 | 51.39 | 16.45 | 6.27 | 15.84 | 5.37 | 1.04 | 0.19 | 18.77 | 63.93 |
| | C80TE003 | 18.10 | 8.21 | 17.58 | 5.96 | 1.26 | 0.23 | 19.28 | 70.62 | 21.71 | 8.30 | 23.44 | 7.95 | 1.54 | 0.28 | 24.80 | 88.02 |
| | C80TE004 | 23.64 | 11.79 | 19.67 | 6.67 | 1.45 | 0.27 | 28.77 | 92.26 | 29.56 | 11.95 | 26.23 | 8.89 | 1.79 | 0.33 | 38.23 | 116.98 |
| C85 | | | | | | | | | | | | | | | | | |
| | C85KC003 | 35.36 | 17.38 | 8.01 | 2.30 | 0.00 | 0.00 | 45.64 | 108.69 | 44.21 | 17.61 | 10.30 | 2.95 | 0.00 | 0.00 | 60.38 | 135.45 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *C85* | *cont.* | | | | | | | | | | | | | | | | |
| | C85KC004 | 22.29 | 10.95 | 5.38 | 1.54 | 0.00 | 0.00 | 28.77 | 68.93 | 27.86 | 11.10 | 6.92 | 1.98 | 0.00 | 0.00 | 38.06 | 85.92 |
| | C85KC005 | 25.85 | 12.70 | 6.44 | 1.85 | 0.00 | 0.00 | 33.36 | 80.20 | 32.31 | 12.87 | 8.28 | 2.38 | 0.00 | 0.00 | 44.13 | 99.97 |
| | C85KC006 | 60.44 | 32.56 | 8.44 | 2.64 | 0.00 | 0.00 | 87.18 | 191.26 | 73.87 | 32.88 | 10.85 | 3.40 | 0.00 | 0.00 | 112.11 | 233.11 |
| | C85LB012 | 20.06 | 9.84 | 4.45 | 1.16 | 0.00 | 0.00 | 24.27 | 59.78 | 24.07 | 9.94 | 5.72 | 1.49 | 0.00 | 0.00 | 31.05 | 72.27 |
| | C85LB013 | 27.81 | 13.66 | 7.95 | 2.28 | 0.00 | 0.00 | 35.89 | 87.59 | 34.76 | 13.85 | 10.23 | 2.93 | 0.00 | 0.00 | 47.48 | 109.25 |
| | C85LB014 | 36.49 | 17.93 | 7.95 | 2.28 | 0.00 | 0.00 | 47.09 | 111.74 | 45.61 | 18.17 | 10.23 | 2.93 | 0.00 | 0.00 | 62.30 | 139.24 |
| | C85LB015 | 41.24 | 20.26 | 6.26 | 1.80 | 0.00 | 0.00 | 53.22 | 122.78 | 51.55 | 20.53 | 8.05 | 2.31 | 0.00 | 0.00 | 70.41 | 152.85 |
| | C85LB016 | 48.81 | 26.30 | 7.50 | 2.35 | 0.00 | 0.00 | 70.40 | 155.36 | 59.66 | 26.56 | 9.64 | 3.02 | 0.00 | 0.00 | 90.54 | 189.42 |
| | C85LB017 | 63.83 | 34.39 | 13.31 | 4.16 | 0.00 | 0.00 | 92.07 | 207.76 | 78.01 | 34.73 | 17.11 | 5.35 | 0.00 | 0.00 | 118.40 | 253.60 |
| | C85LB018 | 17.66 | 8.67 | 4.45 | 1.16 | 0.00 | 0.00 | 21.36 | 53.30 | 21.19 | 8.75 | 5.72 | 1.49 | 0.00 | 0.00 | 27.33 | 64.48 |
| | C85LB019 | 31.09 | 13.65 | 10.60 | 4.70 | 0.00 | 0.00 | 42.63 | 102.67 | 38.26 | 13.84 | 14.01 | 6.21 | 0.00 | 0.00 | 58.64 | 130.96 |
| | C85LB020 | 40.80 | 17.91 | 10.60 | 4.70 | 0.00 | 0.00 | 55.94 | 129.95 | 50.21 | 18.16 | 14.01 | 6.21 | 0.00 | 0.00 | 76.95 | 165.54 |
| | C85LB021 | 40.29 | 19.77 | 8.35 | 2.40 | 0.00 | 0.00 | 61.74 | 132.55 | 48.34 | 19.96 | 11.03 | 3.16 | 0.00 | 0.00 | 81.88 | 164.37 |
| | C85LB022 | 53.90 | 26.45 | 10.00 | 2.87 | 0.00 | 0.00 | 82.60 | 175.82 | 64.68 | 26.70 | 13.21 | 3.79 | 0.00 | 0.00 | 109.55 | 217.93 |
| | C85LB023 | 59.18 | 32.12 | 17.74 | 5.55 | 0.00 | 0.00 | 100.24 | 214.83 | 73.97 | 32.48 | 23.44 | 7.33 | 0.00 | 0.00 | 137.22 | 274.44 |
| | C85MA001 | 41.21 | 20.23 | 13.51 | 3.88 | 0.00 | 0.00 | 63.15 | 141.98 | 49.45 | 20.42 | 17.85 | 5.12 | 0.00 | 0.00 | 83.76 | 176.60 |
| | C85MA002 | 66.67 | 32.72 | 13.51 | 3.88 | 0.00 | 0.00 | 102.17 | 218.95 | 80.00 | 33.03 | 17.85 | 5.12 | 0.00 | 0.00 | 135.51 | 271.51 |
| | C85MA003 | 70.42 | 38.22 | 27.42 | 8.58 | 0.00 | 0.00 | 119.28 | 263.92 | 88.03 | 38.65 | 36.23 | 11.34 | 0.00 | 0.00 | 163.29 | 337.54 |
| | C85MA004 | 40.63 | 19.96 | 10.13 | 2.91 | 0.00 | 0.00 | 52.43 | 126.06 | 50.78 | 20.23 | 13.02 | 3.73 | 0.00 | 0.00 | 69.36 | 157.12 |
| | C85MA005 | 46.44 | 22.82 | 10.13 | 2.91 | 0.00 | 0.00 | 59.94 | 142.24 | 58.05 | 23.12 | 13.02 | 3.73 | 0.00 | 0.00 | 79.29 | 177.21 |
| | C85MA006 | 55.40 | 29.84 | 10.13 | 3.17 | 0.00 | 0.00 | 79.91 | 178.45 | 67.71 | 30.14 | 13.02 | 4.07 | 0.00 | 0.00 | 102.76 | 217.70 |
| | C85MA007 | 86.86 | 46.79 | 13.03 | 4.08 | 0.00 | 0.00 | 125.29 | 276.05 | 106.17 | 47.26 | 16.76 | 5.24 | 0.00 | 0.00 | 161.12 | 336.55 |
| | C85MA008 | 52.04 | 25.57 | 10.13 | 2.91 | 0.00 | 0.00 | 67.17 | 157.82 | 65.05 | 25.91 | 13.02 | 3.73 | 0.00 | 0.00 | 88.86 | 196.57 |
| | C85MA009 | 46.77 | 25.38 | 13.31 | 4.16 | 0.00 | 0.00 | 79.21 | 168.83 | 58.46 | 25.67 | 17.58 | 5.50 | 0.00 | 0.00 | 108.44 | 215.65 |
| | C85MA010 | 56.33 | 30.35 | 9.98 | 3.12 | 0.00 | 0.00 | 81.25 | 181.03 | 68.85 | 30.65 | 12.83 | 4.01 | 0.00 | 0.00 | 104.50 | 220.84 |
| | C85TE001 | 26.33 | 11.56 | 6.05 | 2.68 | 0.00 | 0.00 | 36.11 | 82.73 | 32.41 | 11.72 | 7.99 | 3.54 | 0.00 | 0.00 | 49.67 | 105.33 |
| | C85TE002 | 36.67 | 16.10 | 10.08 | 4.47 | 0.00 | 0.00 | 50.28 | 117.60 | 45.13 | 16.33 | 13.32 | 5.90 | 0.00 | 0.00 | 69.16 | 149.84 |
| | C85TE003 | 41.32 | 20.28 | 13.51 | 3.88 | 0.00 | 0.00 | 63.32 | 142.31 | 49.58 | 20.47 | 17.85 | 5.12 | 0.00 | 0.00 | 83.98 | 177.00 |
| | C85TE008 | 24.47 | 12.02 | 5.56 | 1.59 | 0.00 | 0.00 | 31.58 | 75.22 | 30.59 | 12.18 | 7.15 | 2.05 | 0.00 | 0.00 | 41.78 | 93.75 |
| | C85TE009 | 30.51 | 14.99 | 6.96 | 2.00 | 0.00 | 0.00 | 39.38 | 93.84 | 38.14 | 15.19 | 8.94 | 2.56 | 0.00 | 0.00 | 52.10 | 116.93 |
| | C85TE010 | 38.65 | 18.99 | 7.26 | 2.08 | 0.00 | 0.00 | 49.88 | 116.86 | 48.31 | 19.24 | 9.33 | 2.68 | 0.00 | 0.00 | 65.99 | 145.55 |
| | C85TE011 | 52.01 | 28.02 | 9.53 | 2.98 | 0.00 | 0.00 | 75.01 | 167.55 | 63.56 | 28.29 | 12.25 | 3.83 | 0.00 | 0.00 | 96.47 | 204.40 |
| | C85TE012 | 52.27 | 28.16 | 10.13 | 3.17 | 0.00 | 0.00 | 75.39 | 169.12 | 63.88 | 28.44 | 13.02 | 4.07 | 0.00 | 0.00 | 96.95 | 206.36 |
| | C85TE013 | 57.34 | 30.89 | 10.13 | 3.17 | 0.00 | 0.00 | 82.70 | 184.23 | 70.08 | 31.20 | 13.02 | 4.07 | 0.00 | 0.00 | 106.36 | 224.73 |
| | C85TE014 | 47.41 | 25.54 | 9.53 | 2.98 | 0.00 | 0.00 | 68.38 | 153.84 | 57.94 | 25.79 | 12.25 | 3.83 | 0.00 | 0.00 | 87.93 | 187.74 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| C90 | | | | | | | | | | | | | | | | | |
| | C90LB001 | 42.43 | 25.48 | 10.85 | 3.68 | 4.14 | 0.76 | 61.71 | 149.05 | 51.86 | 25.73 | 14.17 | 4.81 | 5.11 | 0.94 | 79.65 | 182.27 |
| | C90LB002 | 49.05 | 29.42 | 12.39 | 4.20 | 4.14 | 0.76 | 71.32 | 171.28 | 59.95 | 29.70 | 16.11 | 5.46 | 5.11 | 0.94 | 92.05 | 209.32 |
| | C90LB003 | 77.75 | 46.61 | 16.58 | 5.62 | 6.21 | 1.15 | 113.04 | 266.96 | 95.03 | 47.05 | 21.44 | 7.27 | 7.67 | 1.42 | 145.89 | 325.77 |
| | C90LB004 | 39.28 | 23.65 | 12.05 | 4.09 | 4.12 | 0.76 | 57.16 | 141.11 | 48.01 | 23.87 | 15.86 | 5.38 | 5.08 | 0.94 | 73.77 | 172.91 |
| | C90LB005 | 46.90 | 28.17 | 13.59 | 4.61 | 4.12 | 0.76 | 68.22 | 166.37 | 57.32 | 28.44 | 17.80 | 6.03 | 5.08 | 0.94 | 88.04 | 203.65 |
| | C90LB006 | 76.37 | 45.68 | 17.78 | 6.03 | 4.12 | 0.76 | 110.98 | 261.72 | 93.34 | 46.12 | 23.13 | 7.84 | 5.08 | 0.94 | 143.23 | 319.68 |
| C95 | | | | | | | | | | | | | | | | | |
| | C95AP004 | 18.90 | 9.28 | 11.65 | 11.59 | 0.00 | 0.00 | 25.92 | 77.34 | | | | | | | | |
| | C95AP005 | 0.60 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 | 1.71 | | | | | | | | |
| | C95AP006 | 1.15 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 1.58 | 3.30 | | | | | | | | |
| | C95AP007 | 29.93 | 14.69 | 19.38 | 17.63 | 0.00 | 0.00 | 41.05 | 122.68 | | | | | | | | |
| | C95AP008 | 4.62 | 2.27 | 0.00 | 0.50 | 0.00 | 0.00 | 6.34 | 13.73 | | | | | | | | |
| | C95AP009 | 1.55 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 4.43 | | | | | | | | |
| | C95AP010 | 39.74 | 19.50 | 19.75 | 17.88 | 0.00 | 0.00 | 54.50 | 151.37 | | | | | | | | |
| | C95AP011 | 1.45 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 1.98 | 4.14 | | | | | | | | |
| | C95AP012 | 5.74 | 2.82 | 0.00 | 0.50 | 0.00 | 0.00 | 7.88 | 16.94 | | | | | | | | |
| | C95AP013 | 38.33 | 18.81 | 32.21 | 26.00 | 0.00 | 0.00 | 52.56 | 167.91 | | | | | | | | |
| | C95AP014 | 1.32 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 1.80 | 3.77 | | | | | | | | |
| | C95AP015 | 5.02 | 2.46 | 0.00 | 0.00 | 0.00 | 0.00 | 6.88 | 14.36 | | | | | | | | |
| | C95AP016 | 1.76 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 2.41 | 5.03 | | | | | | | | |
| | C95AP017 | 16.25 | 7.98 | 11.38 | 10.42 | 0.00 | 0.00 | 22.28 | 68.31 | | | | | | | | |
| | C95AP018 | 0.56 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | 1.59 | | | | | | | | |
| | C95AP019 | 3.13 | 1.53 | 0.00 | 0.50 | 0.00 | 0.00 | 4.29 | 9.45 | | | | | | | | |
| | C95AP020 | 17.82 | 8.75 | 20.29 | 16.23 | 0.00 | 0.00 | 24.44 | 87.53 | | | | | | | | |
| | C95AP021 | 27.75 | 13.62 | 23.48 | 19.31 | 0.00 | 0.00 | 38.05 | 122.21 | | | | | | | | |
| | C95AP022 | 4.21 | 2.06 | 2.18 | 1.42 | 0.00 | 0.00 | 5.77 | 15.64 | | | | | | | | |
| | C95AP023 | 0.10 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.29 | | | | | | | | |
| | C95LH003 | 16.58 | 8.14 | 9.92 | 9.47 | 0.00 | 0.00 | 22.73 | 66.84 | | | | | | | | |
| | C95LH004 | 17.43 | 8.55 | 9.92 | 9.47 | 0.00 | 0.00 | 23.89 | 69.26 | | | | | | | | |
| | C95LH005 | 21.53 | 10.57 | 13.47 | 12.78 | 0.00 | 0.00 | 29.53 | 87.88 | | | | | | | | |
| | C95LH006 | 24.59 | 12.07 | 13.47 | 12.78 | 0.00 | 0.00 | 33.73 | 96.64 | | | | | | | | |
| | C95LH011 | 40.27 | 19.76 | 20.29 | 18.23 | 0.00 | 0.00 | 55.22 | 153.77 | | | | | | | | |
| | C95LH012 | 47.12 | 23.12 | 20.29 | 18.23 | 0.00 | 0.00 | 64.61 | 173.37 | | | | | | | | |
| | C95LH013 | 51.50 | 25.28 | 20.29 | 18.23 | 0.00 | 0.00 | 70.62 | 185.92 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *C95* | *cont.* | | | | | | | | | | | | | | | | |
| | C95LH014 | 56.69 | 27.83 | 20.29 | 18.23 | 0.00 | 0.00 | 77.74 | 200.78 | | | | | | | | |
| | C95LH015 | 68.65 | 33.69 | 28.85 | 25.81 | 0.00 | 0.00 | 94.14 | 251.14 | | | | | | | | |
| | C95LH016 | 76.09 | 37.34 | 28.85 | 25.81 | 0.00 | 0.00 | 104.34 | 272.43 | | | | | | | | |
| | C95LH021 | 89.19 | 43.77 | 50.05 | 37.63 | 0.00 | 0.00 | 122.31 | 342.95 | | | | | | | | |
| | C95LH022 | 14.81 | 7.30 | 3.19 | 4.08 | 0.22 | 0.04 | 20.33 | 49.97 | | | | | | | | |
| | C95LH023 | 20.40 | 10.14 | 5.92 | 6.86 | 0.88 | 0.16 | 28.05 | 72.41 | | | | | | | | |
| D10 | | | | | | | | | | | | | | | | | |
| | D10IN002 | 6.97 | 2.98 | 0.00 | 0.84 | 0.00 | 0.00 | 12.15 | 22.94 | | | | | | | | |
| | D10IN003 | 6.24 | 2.67 | 0.00 | 0.79 | 0.00 | 0.00 | 10.88 | 20.58 | | | | | | | | |
| | D10IN004 | 17.77 | 7.60 | 10.92 | 3.99 | 0.00 | 0.00 | 30.97 | 71.25 | | | | | | | | |
| | D10IN005 | 20.41 | 8.73 | 12.69 | 4.63 | 0.00 | 0.00 | 35.58 | 82.04 | | | | | | | | |
| | D10IN006 | 20.51 | 8.77 | 18.30 | 6.68 | 0.00 | 0.00 | 35.74 | 90.00 | | | | | | | | |
| | D10RD001 | 12.36 | 5.29 | 10.63 | 3.88 | 0.00 | 0.00 | 21.54 | 53.70 | | | | | | | | |
| | D10RD002 | 13.44 | 5.75 | 13.58 | 4.96 | 0.00 | 0.00 | 23.42 | 61.15 | | | | | | | | |
| | D10RD003 | 21.42 | 9.16 | 16.83 | 6.14 | 0.00 | 0.00 | 37.33 | 90.88 | | | | | | | | |
| | D10RD004 | 21.08 | 9.02 | 16.83 | 6.14 | 0.00 | 0.00 | 36.73 | 89.80 | | | | | | | | |
| | D10RD005 | 23.59 | 10.09 | 16.83 | 6.14 | 0.00 | 0.00 | 41.12 | 97.77 | | | | | | | | |
| | D10RD006 | 5.11 | 2.18 | 0.00 | 0.79 | 0.00 | 0.00 | 8.90 | 16.98 | | | | | | | | |
| | D10RD007 | 5.65 | 2.42 | 0.00 | 0.84 | 0.00 | 0.00 | 9.84 | 18.75 | | | | | | | | |
| | D10SU002 | 4.63 | 1.98 | 0.00 | 0.80 | 0.00 | 0.00 | 8.07 | 15.48 | | | | | | | | |
| | D10SU003 | 4.80 | 2.05 | 0.00 | 0.80 | 0.00 | 0.00 | 8.36 | 16.01 | | | | | | | | |
| | D10SU005 | 8.53 | 3.65 | 15.35 | 5.60 | 0.00 | 0.00 | 14.87 | 48.00 | | | | | | | | |
| | D10SU006 | 8.63 | 3.69 | 15.35 | 5.60 | 0.00 | 0.00 | 15.04 | 48.31 | | | | | | | | |
| D15 | | | | | | | | | | | | | | | | | |
| | D15BI002 | 1.28 | 0.47 | 1.18 | 0.43 | 0.00 | 0.00 | 2.00 | 5.36 | | | | | | | | |
| | D15BI003 | 2.00 | 0.74 | 1.77 | 0.65 | 0.00 | 0.00 | 3.14 | 8.30 | | | | | | | | |
| | D15BI004 | 2.80 | 1.03 | 2.66 | 0.97 | 0.00 | 0.00 | 4.39 | 11.85 | | | | | | | | |
| | D15BI005 | 4.25 | 1.57 | 4.01 | 1.46 | 0.00 | 0.00 | 6.68 | 17.97 | | | | | | | | |
| | D15BI006 | 6.68 | 2.47 | 6.49 | 2.37 | 0.00 | 0.00 | 10.48 | 28.49 | | | | | | | | |
| | D15BI007 | 9.77 | 3.62 | 10.10 | 3.69 | 0.00 | 0.00 | 15.34 | 42.52 | | | | | | | | |
| | D15BI008 | 8.21 | 3.04 | 10.10 | 3.69 | 0.00 | 0.00 | 12.88 | 37.92 | | | | | | | | |
| | D15UE001 | 0.27 | 0.10 | 0.91 | 0.38 | 0.00 | 0.00 | 0.42 | 2.08 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| D20 | | | | | | | | | | | | | | | | | |
| | D20AD002 | 0.31 | 0.10 | 0.22 | 0.38 | 0.00 | 0.00 | 0.46 | 1.47 | | | | | | | | |
| | D20AD005 | 0.30 | 0.09 | 0.22 | 0.38 | 0.00 | 0.00 | 0.45 | 1.44 | | | | | | | | |
| | D20AD006 | 0.50 | 0.16 | 0.45 | 0.66 | 0.00 | 0.00 | 0.74 | 2.51 | | | | | | | | |
| | D20AD007 | 0.83 | 0.26 | 0.90 | 1.33 | 0.00 | 0.00 | 1.22 | 4.54 | | | | | | | | |
| | D20CQ001 | 1.94 | 0.61 | 6.38 | 2.83 | 0.00 | 0.00 | 2.87 | 14.63 | | | | | | | | |
| | D20LY001 | 0.45 | 0.14 | 0.34 | 0.70 | 0.00 | 0.00 | 0.66 | 2.29 | | | | | | | | |
| | D20LY002 | 0.46 | 0.14 | 0.00 | 0.60 | 0.00 | 0.00 | 0.68 | 1.88 | | | | | | | | |
| D25 | | | | | | | | | | | | | | | | | |
| | D25AD003 | 4.51 | 1.67 | 4.07 | 1.27 | 0.00 | 0.00 | 7.86 | 19.38 | | | | | | | | |
| | D25AD004 | 3.60 | 1.33 | 1.65 | 0.52 | 0.00 | 0.00 | 6.27 | 13.37 | | | | | | | | |
| | D25EZ001 | 0.49 | 0.18 | 0.00 | 0.50 | 0.00 | 0.00 | 0.85 | 2.02 | | | | | | | | |
| | D25EZ002 | 0.40 | 0.15 | 0.00 | 0.50 | 0.05 | 0.01 | 0.70 | 1.81 | | | | | | | | |
| | D25EZ003 | 0.43 | 0.17 | 0.00 | 0.50 | 0.03 | 0.01 | 0.76 | 1.90 | | | | | | | | |
| | D25EZ005 | 1.63 | 0.61 | 0.00 | 1.25 | 0.07 | 0.01 | 2.86 | 6.43 | | | | | | | | |
| D30 | | | | | | | | | | | | | | | | | |
| | D30HD001 | 5.88 | 2.17 | 12.40 | 6.53 | 0.00 | 0.00 | 10.24 | 37.22 | | | | | | | | |
| | D30HD002 | 8.81 | 3.26 | 15.94 | 8.82 | 0.00 | 0.00 | 15.36 | 52.19 | | | | | | | | |
| | D30HD003 | 11.47 | 4.24 | 19.78 | 11.22 | 0.00 | 0.00 | 19.99 | 66.70 | | | | | | | | |
| | D30MR001 | 0.42 | 0.16 | 1.22 | 0.51 | 0.00 | 0.00 | 0.74 | 3.05 | | | | | | | | |
| | D30MR003 | 2.00 | 0.75 | 14.44 | 6.02 | 0.06 | 0.01 | 3.49 | 26.77 | | | | | | | | |
| | D30MR005 | 4.34 | 1.63 | 24.93 | 10.40 | 0.24 | 0.04 | 7.60 | 49.18 | | | | | | | | |
| | D30MR006 | 4.79 | 1.80 | 21.36 | 8.91 | 0.24 | 0.04 | 8.37 | 45.51 | | | | | | | | |
| | D30MR007 | 8.16 | 3.04 | 23.25 | 9.70 | 0.24 | 0.04 | 14.24 | 58.67 | | | | | | | | |
| | D30RD001 | 7.00 | 2.59 | 13.07 | 5.45 | 0.00 | 0.00 | 12.20 | 40.31 | | | | | | | | |
| | D30RD002 | 7.83 | 2.90 | 20.52 | 8.56 | 0.00 | 0.00 | 13.64 | 53.45 | | | | | | | | |
| | D30RD003 | 8.61 | 3.18 | 20.52 | 8.56 | 0.00 | 0.00 | 15.00 | 55.87 | | | | | | | | |
| | D30RD004 | 7.47 | 2.76 | 20.52 | 8.56 | 0.00 | 0.00 | 13.02 | 52.33 | | | | | | | | |
| | D30RD005 | 20.75 | 7.68 | 9.45 | 3.45 | 0.00 | 0.00 | 36.16 | 77.49 | | | | | | | | |
| | D30RD006 | 24.25 | 8.97 | 9.45 | 3.45 | 0.00 | 0.00 | 42.26 | 88.38 | | | | | | | | |
| | D30RD007 | 20.24 | 7.49 | 7.68 | 2.80 | 0.00 | 0.00 | 35.27 | 73.48 | | | | | | | | |
| | D30RD008 | 30.29 | 11.21 | 12.40 | 4.53 | 0.00 | 0.00 | 52.79 | 111.22 | | | | | | | | |
| | D30RD009 | 39.74 | 14.70 | 14.76 | 5.39 | 0.00 | 0.00 | 69.26 | 143.85 | | | | | | | | |
| | D30RD010 | 9.67 | 3.58 | 10.63 | 3.88 | 0.00 | 0.00 | 16.85 | 44.61 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| D35 | | | | | | | | | | | | | | | | | |
| | D35IN002 | 26.14 | 10.21 | 34.12 | 16.91 | 1.21 | 0.22 | 42.78 | 131.59 | | | | | | | | |
| | D35IN003 | 20.17 | 9.96 | 28.04 | 11.70 | 0.76 | 0.14 | 33.00 | 103.77 | | | | | | | | |
| | D35IN004 | 17.81 | 8.81 | 24.21 | 10.10 | 0.93 | 0.17 | 29.15 | 91.18 | | | | | | | | |
| | D35IN005 | 21.15 | 10.45 | 27.45 | 11.45 | 0.93 | 0.17 | 34.60 | 106.20 | | | | | | | | |
| | D35IN006 | 25.31 | 12.49 | 35.42 | 14.78 | 0.93 | 0.17 | 41.39 | 130.49 | | | | | | | | |
| | D35IN007 | 26.09 | 10.10 | 26.57 | 13.16 | 0.00 | 0.00 | 42.62 | 118.54 | | | | | | | | |
| | D35IN008 | 27.64 | 10.70 | 26.57 | 13.16 | 0.00 | 0.00 | 45.15 | 123.22 | | | | | | | | |
| | D35IN009 | 31.19 | 12.07 | 35.42 | 17.55 | 0.00 | 0.00 | 50.95 | 147.18 | | | | | | | | |
| | D35IN010 | 33.92 | 13.13 | 31.00 | 15.36 | 0.00 | 0.00 | 55.42 | 148.83 | | | | | | | | |
| | D35IN011 | 35.69 | 13.82 | 35.42 | 17.55 | 0.00 | 0.00 | 58.31 | 160.79 | | | | | | | | |
| | D35RD001 | 19.09 | 7.39 | 26.64 | 13.20 | 0.00 | 0.00 | 31.19 | 97.51 | | | | | | | | |
| | D35RD002 | 17.72 | 6.86 | 16.73 | 8.29 | 0.00 | 0.00 | 28.95 | 78.55 | | | | | | | | |
| | D35RD003 | 21.15 | 8.19 | 22.11 | 10.95 | 0.00 | 0.00 | 34.55 | 96.95 | | | | | | | | |
| | D35RD004 | 26.23 | 10.15 | 28.85 | 14.29 | 0.00 | 0.00 | 42.85 | 122.37 | | | | | | | | |
| | D35RD005 | 28.66 | 11.09 | 31.00 | 15.36 | 0.00 | 0.00 | 46.82 | 132.93 | | | | | | | | |
| | D35RD006 | 27.66 | 10.71 | 25.39 | 12.58 | 0.00 | 0.00 | 45.19 | 121.53 | | | | | | | | |
| | D35RD007 | 30.50 | 11.81 | 44.28 | 21.94 | 0.00 | 0.00 | 49.84 | 158.37 | | | | | | | | |
| | D35RD008 | 31.99 | 12.39 | 31.00 | 15.36 | 0.00 | 0.00 | 52.27 | 143.01 | | | | | | | | |
| | D35RD009 | 33.47 | 16.43 | 44.28 | 18.47 | 0.00 | 0.00 | 54.69 | 167.34 | | | | | | | | |
| F10 | | | | | | | | | | | | | | | | | |
| | F10CA039 | 5.69 | 1.68 | 4.99 | 1.56 | 0.73 | 0.13 | 6.99 | 21.77 | | | | | | | | |
| | F10CA040 | 7.79 | 2.27 | 4.99 | 1.56 | 0.73 | 0.13 | 9.54 | 27.01 | | | | | | | | |
| | F10CA042 | 8.68 | 2.51 | 4.99 | 1.56 | 0.55 | 0.10 | 10.62 | 29.01 | | | | | | | | |
| | F10CA043 | 9.16 | 2.68 | 4.99 | 1.56 | 0.94 | 0.17 | 11.23 | 30.73 | | | | | | | | |
| | F10JC001 | 4.28 | 1.27 | 3.56 | 1.11 | 0.53 | 0.10 | 5.26 | 16.11 | | | | | | | | |
| | F10JC002 | 4.93 | 1.46 | 3.56 | 1.11 | 0.56 | 0.10 | 6.06 | 17.78 | | | | | | | | |
| | F10JD001 | 3.85 | 1.15 | 3.47 | 1.09 | 0.44 | 0.08 | 4.75 | 14.83 | | | | | | | | |
| | F10JD002 | 3.90 | 1.17 | 3.47 | 1.09 | 0.44 | 0.08 | 4.80 | 14.95 | | | | | | | | |
| | F10JD003 | 4.16 | 1.24 | 3.47 | 1.09 | 0.44 | 0.08 | 5.12 | 15.60 | | | | | | | | |
| G10 | | | | | | | | | | | | | | | | | |
| | G10CA012 | 2.77 | 0.65 | 14.92 | 4.67 | 0.00 | 0.00 | 2.74 | 25.75 | 3.46 | 0.67 | 19.90 | 6.23 | 0.00 | 0.00 | 3.91 | 34.17 |
| | G10CA013 | 3.51 | 0.83 | 19.25 | 6.02 | 0.00 | 0.00 | 3.48 | 33.09 | 4.39 | 0.85 | 25.66 | 8.03 | 0.00 | 0.00 | 4.97 | 43.90 |
| | G10CA014 | 4.56 | 1.08 | 25.47 | 7.97 | 0.00 | 0.00 | 4.51 | 43.59 | 5.69 | 1.10 | 33.96 | 10.63 | 0.00 | 0.00 | 6.44 | 57.82 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *G10* | *cont.* | | | | | | | | | | | | | | | | |
| | G10CA015 | 6.27 | 1.48 | 32.65 | 10.22 | 0.00 | 0.00 | 6.21 | 56.83 | 7.84 | 1.52 | 43.53 | 13.62 | 0.00 | 0.00 | 8.87 | 75.38 |
| | G10CA016 | 7.78 | 1.84 | 38.82 | 12.15 | 0.00 | 0.00 | 7.70 | 68.29 | 9.72 | 1.89 | 51.77 | 16.20 | 0.00 | 0.00 | 11.00 | 90.58 |
| | G10CA017 | 12.23 | 2.89 | 51.75 | 16.19 | 0.00 | 0.00 | 12.11 | 95.17 | 15.29 | 2.96 | 69.00 | 21.59 | 0.00 | 0.00 | 17.30 | 126.14 |
| | G10CA018 | 15.54 | 3.67 | 68.57 | 21.46 | 0.00 | 0.00 | 15.38 | 124.62 | 19.42 | 3.77 | 91.43 | 28.61 | 0.00 | 0.00 | 21.97 | 165.20 |
| | G10CA019 | 25.98 | 6.14 | 109.49 | 34.26 | 0.00 | 0.00 | 25.72 | 201.59 | 32.48 | 6.30 | 145.98 | 45.68 | 0.00 | 0.00 | 36.73 | 267.17 |
| | G10CA020 | 2.17 | 0.51 | 8.27 | 2.59 | 0.00 | 0.00 | 2.15 | 15.69 | 2.72 | 0.53 | 11.02 | 3.45 | 0.00 | 0.00 | 3.07 | 20.79 |
| | G10HO005 | 0.07 | 0.01 | 0.62 | 0.19 | 0.00 | 0.00 | 0.06 | 0.95 | 0.08 | 0.01 | 0.81 | 0.25 | 0.00 | 0.00 | 0.08 | 1.23 |
| | G10HO006 | 0.09 | 0.02 | 0.99 | 0.31 | 0.00 | 0.00 | 0.07 | 1.48 | 0.10 | 0.02 | 1.29 | 0.40 | 0.00 | 0.00 | 0.10 | 1.91 |
| | G10HO007 | 0.11 | 0.02 | 1.36 | 0.43 | 0.00 | 0.00 | 0.09 | 2.01 | 0.12 | 0.02 | 1.78 | 0.56 | 0.00 | 0.00 | 0.12 | 2.60 |
| | G10ON001 | 0.14 | 0.03 | 0.74 | 0.23 | 0.00 | 0.00 | 0.12 | 1.26 | 0.16 | 0.03 | 0.97 | 0.30 | 0.00 | 0.00 | 0.16 | 1.62 |
| | G10ON002 | 0.20 | 0.04 | 1.11 | 0.35 | 0.00 | 0.00 | 0.17 | 1.87 | 0.22 | 0.04 | 1.45 | 0.45 | 0.00 | 0.00 | 0.22 | 2.38 |
| | G10ON003 | 0.24 | 0.05 | 1.73 | 0.54 | 0.00 | 0.00 | 0.20 | 2.76 | 0.28 | 0.05 | 2.26 | 0.71 | 0.00 | 0.00 | 0.27 | 3.57 |
| | G10ON005 | 0.40 | 0.09 | 1.73 | 0.54 | 0.00 | 0.00 | 0.39 | 3.15 | 0.49 | 0.10 | 2.26 | 0.71 | 0.00 | 0.00 | 0.56 | 4.12 |
| | G10ON006 | 0.69 | 0.16 | 1.85 | 0.58 | 0.00 | 0.00 | 0.68 | 3.96 | 0.86 | 0.17 | 2.42 | 0.76 | 0.00 | 0.00 | 0.98 | 5.19 |
| | G10ON007 | 0.68 | 0.16 | 0.62 | 0.19 | 0.00 | 0.00 | 0.68 | 2.33 | 0.85 | 0.17 | 0.82 | 0.26 | 0.00 | 0.00 | 0.96 | 3.06 |
| | G10ON009 | 0.67 | 0.16 | 0.57 | 0.18 | 0.00 | 0.00 | 0.66 | 2.24 | 0.83 | 0.16 | 0.76 | 0.24 | 0.00 | 0.00 | 0.94 | 2.93 |
| | G10ON010 | 0.78 | 0.18 | 1.00 | 0.31 | 0.00 | 0.00 | 0.77 | 3.04 | 0.98 | 0.19 | 1.33 | 0.42 | 0.00 | 0.00 | 1.11 | 4.03 |
| | G10ON011 | 1.06 | 0.25 | 1.14 | 0.36 | 0.00 | 0.00 | 1.05 | 3.86 | 1.33 | 0.26 | 1.52 | 0.48 | 0.00 | 0.00 | 1.50 | 5.09 |
| | G10ON012 | 1.10 | 0.26 | 1.57 | 0.49 | 0.00 | 0.00 | 1.09 | 4.51 | 1.38 | 0.27 | 2.09 | 0.65 | 0.00 | 0.00 | 1.56 | 5.95 |
| | G10ON013 | 1.23 | 0.29 | 3.23 | 1.01 | 0.00 | 0.00 | 1.22 | 6.98 | 1.54 | 0.30 | 4.31 | 1.35 | 0.00 | 0.00 | 1.74 | 9.24 |
| | G10ON014 | 1.30 | 0.31 | 3.23 | 1.01 | 0.00 | 0.00 | 1.29 | 7.14 | 1.63 | 0.32 | 4.31 | 1.35 | 0.00 | 0.00 | 1.84 | 9.45 |
| | G10ON015 | 1.44 | 0.34 | 4.09 | 1.28 | 0.00 | 0.00 | 1.43 | 8.58 | 1.80 | 0.35 | 5.45 | 1.71 | 0.00 | 0.00 | 2.04 | 11.35 |
| | G10ON016 | 1.55 | 0.37 | 4.85 | 1.52 | 0.00 | 0.00 | 1.54 | 9.83 | 1.94 | 0.38 | 6.46 | 2.02 | 0.00 | 0.00 | 2.19 | 12.99 |
| | G10ON017 | 1.76 | 0.42 | 6.42 | 2.01 | 0.00 | 0.00 | 1.74 | 12.35 | 2.20 | 0.43 | 8.55 | 2.68 | 0.00 | 0.00 | 2.49 | 16.35 |
| | G10ON018 | 2.03 | 0.48 | 7.89 | 2.47 | 0.00 | 0.00 | 2.01 | 14.88 | 2.54 | 0.49 | 10.52 | 3.29 | 0.00 | 0.00 | 2.87 | 19.71 |
| | G10ON019 | 2.29 | 0.54 | 9.84 | 3.08 | 0.00 | 0.00 | 2.27 | 18.02 | 2.86 | 0.56 | 13.12 | 4.11 | 0.00 | 0.00 | 3.24 | 23.89 |
| | G10ON020 | 2.67 | 0.63 | 13.16 | 4.12 | 0.00 | 0.00 | 2.64 | 23.22 | 3.33 | 0.65 | 17.55 | 5.49 | 0.00 | 0.00 | 3.77 | 30.79 |
| | G10WC001 | 0.24 | 0.05 | 0.99 | 0.31 | 0.00 | 0.00 | 0.20 | 1.79 | 0.27 | 0.05 | 1.29 | 0.40 | 0.00 | 0.00 | 0.27 | 2.28 |
| | G10WC002 | 0.30 | 0.06 | 1.36 | 0.43 | 0.00 | 0.00 | 0.25 | 2.40 | 0.34 | 0.06 | 1.78 | 0.56 | 0.00 | 0.00 | 0.34 | 3.08 |
| | G10WC003 | 0.43 | 0.08 | 1.98 | 0.62 | 0.00 | 0.00 | 0.37 | 3.48 | 0.49 | 0.09 | 2.58 | 0.81 | 0.00 | 0.00 | 0.49 | 4.46 |
| | G10WC004 | 0.49 | 0.09 | 2.22 | 0.69 | 0.00 | 0.00 | 0.41 | 3.90 | 0.56 | 0.10 | 2.91 | 0.91 | 0.00 | 0.00 | 0.55 | 5.03 |
| **G15** | | | | | | | | | | | | | | | | | |
| | G15CA001 | 9.03 | 4.19 | 5.58 | 2.47 | 0.74 | 0.14 | 11.26 | 33.41 | 11.29 | 4.24 | 7.20 | 3.19 | 0.99 | 0.18 | 15.07 | 42.16 |
| | G15CA003 | 10.66 | 4.93 | 6.25 | 2.77 | 0.74 | 0.14 | 13.27 | 38.76 | 13.32 | 4.99 | 8.06 | 3.57 | 0.99 | 0.18 | 17.77 | 48.88 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *G15* | *cont.* | | | | | | | | | | | | | | | | |
| | G15CA004 | 11.32 | 5.24 | 7.37 | 3.27 | 0.82 | 0.15 | 14.10 | 42.27 | 14.15 | 5.31 | 9.50 | 4.21 | 1.10 | 0.20 | 18.87 | 53.34 |
| | G15CA005 | 15.36 | 7.18 | 9.60 | 4.26 | 2.00 | 0.37 | 19.19 | 57.96 | 19.21 | 7.28 | 12.38 | 5.49 | 2.70 | 0.50 | 25.69 | 73.25 |
| | G15CA006 | 21.96 | 10.33 | 12.28 | 5.44 | 4.01 | 0.74 | 27.47 | 82.23 | 27.45 | 10.47 | 15.84 | 7.02 | 5.42 | 1.00 | 36.77 | 103.97 |
| | G15CA007 | 9.59 | 4.44 | 6.03 | 2.67 | 0.74 | 0.14 | 11.95 | 35.56 | 11.99 | 4.50 | 7.78 | 3.45 | 0.99 | 0.18 | 16.00 | 44.89 |
| | G15CA008 | 13.03 | 6.01 | 8.26 | 3.66 | 0.88 | 0.16 | 16.22 | 48.22 | 16.28 | 6.10 | 10.66 | 4.73 | 1.22 | 0.23 | 21.71 | 60.93 |
| | G15CA009 | 12.19 | 5.64 | 8.26 | 3.66 | 0.85 | 0.16 | 15.18 | 45.94 | 15.24 | 5.71 | 10.66 | 4.73 | 1.14 | 0.21 | 20.33 | 58.02 |
| | G15CA010 | 14.11 | 6.51 | 8.93 | 3.96 | 0.91 | 0.17 | 17.57 | 52.16 | 17.64 | 6.60 | 11.52 | 5.11 | 1.27 | 0.23 | 23.52 | 65.89 |
| | G15JD008 | 9.58 | 4.51 | 6.74 | 2.99 | 1.64 | 0.30 | 11.98 | 37.74 | 11.97 | 4.57 | 8.70 | 3.86 | 2.22 | 0.41 | 16.04 | 47.77 |
| | G15JD009 | 10.90 | 5.12 | 6.96 | 3.09 | 1.76 | 0.32 | 13.63 | 41.78 | 13.62 | 5.18 | 8.99 | 3.99 | 2.44 | 0.45 | 18.24 | 52.91 |
| | G15JD010 | 11.02 | 5.17 | 8.26 | 3.66 | 1.64 | 0.30 | 13.78 | 43.83 | 13.78 | 5.24 | 10.66 | 4.73 | 2.22 | 0.41 | 18.44 | 55.48 |
| | G15JD011 | 12.50 | 5.85 | 9.15 | 4.06 | 1.76 | 0.32 | 15.62 | 49.26 | 15.63 | 5.93 | 11.81 | 5.24 | 2.44 | 0.45 | 20.90 | 62.40 |
| | G15KM006 | 11.05 | 5.19 | 6.43 | 2.85 | 1.76 | 0.32 | 13.82 | 41.42 | 13.82 | 5.26 | 8.29 | 3.67 | 2.44 | 0.45 | 18.50 | 52.43 |
| | G15KM007 | 10.03 | 4.74 | 7.41 | 3.28 | 1.85 | 0.34 | 12.56 | 40.21 | 12.54 | 4.80 | 9.56 | 4.24 | 2.50 | 0.46 | 16.81 | 50.91 |
| | G15KM008 | 12.90 | 6.04 | 9.11 | 4.04 | 1.98 | 0.37 | 16.12 | 50.56 | 16.12 | 6.13 | 11.75 | 5.21 | 2.76 | 0.51 | 21.57 | 64.05 |
| | G15KM009 | 16.54 | 7.72 | 10.94 | 4.85 | 2.00 | 0.37 | 20.65 | 63.07 | 20.68 | 7.83 | 14.11 | 6.25 | 2.70 | 0.50 | 27.65 | 79.72 |
| **H10** | | | | | | | | | | | | | | | | | |
| | H10NP001 | 0.79 | 0.14 | 0.00 | 0.50 | 0.00 | 0.00 | 1.28 | 2.71 | | | | | | | | |
| | H10NP002 | 0.87 | 0.16 | 0.00 | 0.50 | 0.00 | 0.00 | 1.42 | 2.95 | | | | | | | | |
| | H10NP003 | 1.02 | 0.18 | 0.00 | 0.75 | 0.00 | 0.00 | 1.66 | 3.61 | | | | | | | | |
| | H10NP004 | 1.42 | 0.26 | 0.00 | 0.75 | 0.00 | 0.00 | 2.30 | 4.73 | | | | | | | | |
| | H10NP005 | 2.01 | 0.36 | 0.00 | 1.00 | 0.00 | 0.00 | 3.27 | 6.64 | | | | | | | | |
| | H10NP006 | 2.78 | 0.50 | 0.00 | 1.00 | 0.00 | 0.00 | 4.52 | 8.80 | | | | | | | | |
| | H10NP007 | 3.60 | 0.65 | 0.00 | 1.00 | 0.00 | 0.00 | 5.86 | 11.11 | | | | | | | | |
| | H10NP008 | 4.11 | 0.74 | 0.00 | 1.25 | 0.00 | 0.00 | 6.68 | 12.78 | | | | | | | | |
| | H10NP009 | 5.14 | 0.93 | 0.00 | 1.25 | 0.00 | 0.00 | 8.35 | 15.67 | | | | | | | | |
| | H10NP010 | 6.30 | 1.14 | 0.00 | 1.50 | 0.00 | 0.00 | 10.24 | 19.18 | | | | | | | | |
| | H10NP011 | 7.51 | 1.36 | 0.00 | 2.00 | 0.00 | 0.00 | 12.20 | 23.07 | | | | | | | | |
| | H10NP012 | 8.92 | 1.61 | 0.00 | 2.50 | 0.00 | 0.00 | 14.49 | 27.52 | | | | | | | | |
| | H10NP013 | 12.18 | 2.20 | 0.00 | 3.00 | 0.00 | 0.00 | 19.80 | 37.18 | | | | | | | | |
| | H10NP014 | 17.02 | 3.08 | 0.00 | 3.50 | 0.00 | 0.00 | 27.66 | 51.26 | | | | | | | | |
| **H13** | | | | | | | | | | | | | | | | | |
| | H13AY007 | 11.48 | 3.26 | 0.00 | 0.00 | 0.00 | 0.00 | 16.79 | 31.53 | | | | | | | | |
| | H13AY008 | 5.70 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 8.34 | 15.66 | | | | | | | | |
| | H13AY009 | 10.22 | 2.90 | 0.00 | 0.00 | 0.00 | 0.00 | 14.95 | 28.07 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *H13* | *cont.* | | | | | | | | | | | | | | | | |
| | H13AY010 | 5.26 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 7.70 | 14.45 | | | | | | | | |
| | H13AY011 | 8.56 | 2.43 | 0.00 | 0.00 | 0.00 | 0.00 | 12.52 | 23.51 | | | | | | | | |
| | H13AY012 | 4.44 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 6.49 | 12.19 | | | | | | | | |
| | H13AY013 | 6.88 | 1.95 | 0.00 | 0.00 | 0.00 | 0.00 | 10.06 | 18.89 | | | | | | | | |
| | H13AY014 | 3.74 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | 5.47 | 10.27 | | | | | | | | |
| | H13AY015 | 4.06 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 5.94 | 11.15 | | | | | | | | |
| | H13AY016 | 2.65 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 3.88 | 7.28 | | | | | | | | |
| | H13AY017 | 12.71 | 3.61 | 0.00 | 0.00 | 0.00 | 0.00 | 18.59 | 34.91 | | | | | | | | |
| | H13AY018 | 6.56 | 1.86 | 0.00 | 0.00 | 0.00 | 0.00 | 9.59 | 18.01 | | | | | | | | |
| | H13AY019 | 0.83 | 0.24 | 0.09 | 0.31 | 0.00 | 0.00 | 1.21 | 2.68 | | | | | | | | |
| | H13AY020 | 1.07 | 0.30 | 0.09 | 0.31 | 0.00 | 0.00 | 1.56 | 3.33 | | | | | | | | |
| | H13AY021 | 14.39 | 3.76 | 0.00 | 0.00 | 0.26 | 0.05 | 17.64 | 36.10 | | | | | | | | |
| | H13AY022 | 7.81 | 2.06 | 0.00 | 0.00 | 0.26 | 0.05 | 9.58 | 19.76 | | | | | | | | |
| | H13AY023 | 13.08 | 3.42 | 0.00 | 0.00 | 0.26 | 0.05 | 16.03 | 32.84 | | | | | | | | |
| | H13AY024 | 6.94 | 1.83 | 0.00 | 0.00 | 0.26 | 0.05 | 8.51 | 17.59 | | | | | | | | |
| | H13AY025 | 11.65 | 3.05 | 0.00 | 0.00 | 0.26 | 0.05 | 14.29 | 29.30 | | | | | | | | |
| | H13AY026 | 6.39 | 1.69 | 0.00 | 0.00 | 0.26 | 0.05 | 7.84 | 16.23 | | | | | | | | |
| | H13AY027 | 9.81 | 2.57 | 0.00 | 0.00 | 0.26 | 0.05 | 12.03 | 24.72 | | | | | | | | |
| | H13AY028 | 5.43 | 1.44 | 0.00 | 0.00 | 0.26 | 0.05 | 6.67 | 13.85 | | | | | | | | |
| | H13AY029 | 7.95 | 2.09 | 0.00 | 0.00 | 0.26 | 0.05 | 9.75 | 20.10 | | | | | | | | |
| | H13AY030 | 4.61 | 1.23 | 0.00 | 0.00 | 0.26 | 0.05 | 5.67 | 11.82 | | | | | | | | |
| | H13AY031 | 4.91 | 1.31 | 0.00 | 0.00 | 0.26 | 0.05 | 6.04 | 12.57 | | | | | | | | |
| | H13AY032 | 3.42 | 0.92 | 0.00 | 0.00 | 0.26 | 0.05 | 4.21 | 8.86 | | | | | | | | |
| | H13BB001 | 5.78 | 0.69 | 0.91 | 1.28 | 0.00 | 0.00 | 8.84 | 17.50 | | | | | | | | |
| | H13BB002 | 7.27 | 0.86 | 1.37 | 1.80 | 0.00 | 0.00 | 11.12 | 22.42 | | | | | | | | |
| | H13BC003 | 3.85 | 0.50 | 0.46 | 0.30 | 0.00 | 0.00 | 4.37 | 9.48 | | | | | | | | |
| | H13BC006 | 3.78 | 0.49 | 0.27 | 0.18 | 0.00 | 0.00 | 4.30 | 9.02 | | | | | | | | |
| | H13BC007 | 4.82 | 0.62 | 0.27 | 0.18 | 0.00 | 0.00 | 5.48 | 11.37 | | | | | | | | |
| | H13BC008 | 5.72 | 0.74 | 0.46 | 0.30 | 0.00 | 0.00 | 6.51 | 13.73 | | | | | | | | |
| | H13BC009 | 4.04 | 0.52 | 0.27 | 0.18 | 0.00 | 0.00 | 4.59 | 9.60 | | | | | | | | |
| | H13BC010 | 2.82 | 0.36 | 0.27 | 0.18 | 0.00 | 0.00 | 3.21 | 6.84 | | | | | | | | |
| | H13BC011 | 3.19 | 0.41 | 0.46 | 0.30 | 0.00 | 0.00 | 3.63 | 7.99 | | | | | | | | |
| | H13BC012 | 2.61 | 0.34 | 0.27 | 0.18 | 0.00 | 0.00 | 2.97 | 6.37 | | | | | | | | |
| | H13BC013 | 2.36 | 0.30 | 0.27 | 0.18 | 0.00 | 0.00 | 2.69 | 5.80 | | | | | | | | |
| | H13CB001 | 1.69 | 0.44 | 0.46 | 0.55 | 0.00 | 0.00 | 2.07 | 5.21 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *H13* | *cont.* | | | | | | | | | | | | | | | | |
| | H13CB002 | 1.85 | 0.48 | 0.91 | 0.84 | 0.00 | 0.00 | 2.26 | 6.34 | | | | | | | | |
| | H13CF001 | 18.51 | 6.21 | 4.55 | 2.97 | 0.00 | 0.00 | 27.07 | 59.31 | | | | | | | | |
| | H13CF002 | 20.39 | 6.84 | 4.55 | 2.97 | 0.00 | 0.00 | 29.81 | 64.56 | | | | | | | | |
| | H13CF003 | 24.05 | 8.07 | 4.55 | 2.97 | 0.00 | 0.00 | 35.17 | 74.81 | | | | | | | | |
| | H13CO002 | 0.88 | 0.23 | 0.46 | 0.55 | 0.00 | 0.00 | 1.08 | 3.20 | | | | | | | | |
| | H13CO003 | 1.35 | 0.45 | 0.27 | 0.43 | 0.00 | 0.00 | 1.98 | 4.48 | | | | | | | | |
| | H13CO004 | 2.43 | 0.81 | 0.27 | 0.68 | 0.00 | 0.00 | 3.55 | 7.74 | | | | | | | | |
| | H13CO005 | 3.77 | 1.26 | 0.27 | 0.68 | 0.00 | 0.00 | 5.51 | 11.49 | | | | | | | | |
| | H13CO006 | 2.83 | 0.95 | 0.27 | 0.53 | 0.00 | 0.00 | 4.14 | 8.72 | | | | | | | | |
| | H13HR001 | 4.14 | 1.18 | 0.05 | 0.28 | 0.00 | 0.00 | 6.05 | 11.70 | | | | | | | | |
| | H13HR002 | 4.56 | 1.29 | 0.14 | 0.24 | 0.00 | 0.00 | 6.67 | 12.90 | | | | | | | | |
| | H13HR003 | 11.87 | 3.09 | 0.09 | 2.06 | 0.16 | 0.03 | 14.54 | 31.84 | | | | | | | | |
| | H13MN001 | 19.21 | 5.04 | 13.65 | 11.01 | 0.49 | 0.09 | 26.49 | 75.98 | | | | | | | | |
| | H13MN002 | 23.60 | 6.19 | 18.20 | 14.68 | 0.63 | 0.12 | 32.56 | 95.98 | | | | | | | | |
| | H13MN003 | 23.90 | 6.27 | 18.20 | 15.68 | 0.63 | 0.12 | 32.97 | 97.77 | | | | | | | | |
| | H13MN004 | 33.70 | 8.80 | 27.30 | 22.02 | 0.63 | 0.12 | 46.46 | 139.03 | | | | | | | | |
| | H13PI001 | 0.86 | 0.24 | 2.22 | 0.69 | 0.10 | 0.02 | 1.06 | 5.19 | | | | | | | | |
| | H13PI002 | 0.89 | 0.24 | 0.68 | 0.44 | 0.10 | 0.02 | 1.10 | 3.47 | | | | | | | | |
| | H13PI003 | 0.99 | 0.26 | 1.37 | 0.89 | 0.00 | 0.00 | 1.22 | 4.73 | | | | | | | | |
| | H13PO001 | 43.27 | 11.19 | 5.01 | 4.94 | 0.00 | 0.00 | 66.17 | 130.58 | | | | | | | | |
| | H13PR001 | 6.44 | 1.83 | 0.27 | 0.18 | 0.00 | 0.00 | 9.42 | 18.14 | | | | | | | | |
| | H13PR002 | 7.43 | 1.96 | 0.27 | 1.68 | 0.26 | 0.05 | 9.11 | 20.76 | | | | | | | | |
| | H13PR003 | 12.10 | 3.44 | 0.46 | 0.30 | 0.00 | 0.00 | 17.70 | 34.00 | | | | | | | | |
| | H13PR004 | 13.83 | 3.61 | 0.46 | 1.80 | 0.26 | 0.05 | 16.95 | 36.96 | | | | | | | | |
| | H13PR005 | 16.88 | 4.79 | 0.46 | 0.30 | 0.00 | 0.00 | 24.68 | 47.11 | | | | | | | | |
| | H13PR006 | 19.19 | 5.00 | 0.46 | 1.80 | 0.26 | 0.05 | 23.50 | 50.26 | | | | | | | | |
| | H13PR007 | 37.04 | 10.51 | 0.91 | 0.59 | 0.00 | 0.00 | 54.17 | 103.22 | | | | | | | | |
| | H13PR008 | 40.21 | 10.56 | 0.91 | 2.59 | 1.19 | 0.22 | 49.31 | 104.99 | | | | | | | | |
| | H13PR009 | 8.60 | 2.26 | 0.09 | 1.56 | 0.26 | 0.05 | 10.54 | 23.36 | | | | | | | | |
| | H13PR010 | 8.82 | 2.32 | 0.09 | 1.56 | 0.26 | 0.05 | 10.82 | 23.92 | | | | | | | | |
| | H13PR011 | 10.97 | 2.87 | 0.18 | 1.62 | 0.26 | 0.05 | 13.44 | 29.39 | | | | | | | | |
| | H13PR012 | 11.64 | 3.05 | 0.18 | 1.62 | 0.26 | 0.05 | 14.26 | 31.06 | | | | | | | | |
| | H13PR013 | 13.13 | 3.43 | 0.18 | 1.62 | 0.26 | 0.05 | 16.09 | 34.76 | | | | | | | | |
| | H13PR014 | 14.60 | 3.81 | 0.27 | 1.68 | 0.26 | 0.05 | 17.89 | 38.56 | | | | | | | | |
| | H13PR015 | 16.87 | 4.40 | 0.27 | 1.68 | 0.26 | 0.05 | 20.67 | 44.20 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***H13*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | H13PR016 | 9.28 | 2.44 | 0.73 | 1.73 | 0.26 | 0.05 | 11.38 | 25.87 | | | | | | | | |
| | H13PR017 | 13.47 | 3.52 | 0.91 | 1.84 | 0.26 | 0.05 | 16.50 | 36.55 | | | | | | | | |
| | H13PR018 | 19.62 | 5.11 | 1.37 | 2.39 | 0.26 | 0.05 | 24.03 | 52.83 | | | | | | | | |
| | H13PR019 | 27.65 | 7.19 | 1.82 | 2.69 | 0.26 | 0.05 | 33.86 | 73.52 | | | | | | | | |
| | H13PR020 | 7.42 | 2.11 | 0.09 | 0.06 | 0.00 | 0.00 | 10.86 | 20.54 | | | | | | | | |
| | H13PR021 | 7.63 | 2.17 | 0.09 | 0.06 | 0.00 | 0.00 | 11.16 | 21.11 | | | | | | | | |
| | H13PR022 | 9.57 | 2.72 | 0.18 | 0.12 | 0.00 | 0.00 | 13.99 | 26.58 | | | | | | | | |
| | H13PR023 | 10.16 | 2.88 | 0.09 | 0.06 | 0.00 | 0.00 | 14.86 | 28.05 | | | | | | | | |
| | H13PR024 | 11.52 | 3.27 | 0.18 | 0.12 | 0.00 | 0.00 | 16.85 | 31.94 | | | | | | | | |
| | H13PR025 | 12.82 | 3.64 | 0.27 | 0.18 | 0.00 | 0.00 | 18.75 | 35.66 | | | | | | | | |
| | H13PR026 | 14.96 | 4.25 | 0.27 | 0.18 | 0.00 | 0.00 | 21.88 | 41.54 | | | | | | | | |
| | H13PR027 | 8.07 | 2.29 | 0.73 | 0.48 | 0.00 | 0.00 | 11.80 | 23.37 | | | | | | | | |
| | H13PR028 | 11.92 | 3.38 | 0.91 | 0.59 | 0.00 | 0.00 | 17.44 | 34.24 | | | | | | | | |
| | H13PR029 | 17.80 | 5.05 | 1.37 | 0.89 | 0.00 | 0.00 | 26.03 | 51.14 | | | | | | | | |
| | H13PR030 | 25.11 | 7.13 | 1.82 | 1.19 | 0.00 | 0.00 | 36.72 | 71.97 | | | | | | | | |
| | H13SH001 | 3.15 | 0.81 | 1.82 | 1.07 | 0.00 | 0.00 | 4.33 | 11.18 | | | | | | | | |
| | H13SH002 | 2.91 | 0.75 | 1.82 | 1.07 | 0.00 | 0.00 | 4.00 | 10.55 | | | | | | | | |
| | H13SH003 | 5.82 | 1.51 | 3.64 | 2.14 | 0.00 | 0.00 | 8.01 | 21.12 | | | | | | | | |
| | H13SH004 | 6.15 | 1.59 | 3.64 | 2.14 | 0.00 | 0.00 | 8.46 | 21.98 | | | | | | | | |
| | H13SH005 | 10.57 | 2.73 | 9.10 | 5.34 | 0.00 | 0.00 | 14.54 | 42.28 | | | | | | | | |
| | H13SH006 | 33.87 | 8.76 | 27.30 | 16.02 | 0.00 | 0.00 | 46.63 | 132.58 | | | | | | | | |
| | H13SH007 | 42.86 | 11.09 | 54.60 | 32.03 | 0.00 | 0.00 | 59.00 | 199.58 | | | | | | | | |
| **H20** | | | | | | | | | | | | | | | | | |
| | H20BE001 | 1.24 | 0.32 | 0.00 | 0.10 | 0.00 | 0.00 | 1.61 | 3.27 | | | | | | | | |
| | H20BE002 | 1.61 | 0.41 | 0.00 | 0.20 | 0.00 | 0.00 | 2.09 | 4.31 | | | | | | | | |
| | H20BE003 | 2.08 | 0.54 | 0.00 | 0.30 | 0.00 | 0.00 | 2.70 | 5.62 | | | | | | | | |
| | H20BE004 | 3.09 | 0.80 | 0.00 | 0.40 | 0.00 | 0.00 | 4.02 | 8.31 | | | | | | | | |
| **H25** | | | | | | | | | | | | | | | | | |
| | H25AX001 | 0.90 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 1.37 | 2.42 | | | | | | | | |
| | H25AX002 | 0.98 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 2.63 | | | | | | | | |
| | H25AX003 | 1.11 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 | 2.98 | | | | | | | | |
| | H25AX004 | 1.26 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 3.40 | | | | | | | | |
| | H25AX005 | 1.22 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 1.86 | 3.28 | | | | | | | | |
| | H25AX006 | 1.38 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 2.11 | 3.72 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *H25* | *cont.* | | | | | | | | | | | | | | | | |
| | H25BS001 | 0.58 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 | 1.43 | | | | | | | | |
| | H25BS002 | 0.67 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.88 | 1.67 | | | | | | | | |
| | H25BS003 | 0.74 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.84 | | | | | | | | |
| | H25BS004 | 0.90 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 1.18 | 2.24 | | | | | | | | |
| | H25BS005 | 1.42 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 1.85 | 3.53 | | | | | | | | |
| | H25CA020 | 8.30 | 2.60 | 3.75 | 1.86 | 0.00 | 0.00 | 10.00 | 26.51 | 10.38 | 2.65 | 5.01 | 2.48 | 0.00 | 0.00 | 14.28 | 34.80 |
| | H25CA021 | 8.66 | 2.71 | 3.99 | 1.98 | 0.00 | 0.00 | 10.43 | 27.77 | 10.83 | 2.76 | 5.32 | 2.64 | 0.00 | 0.00 | 14.90 | 36.45 |
| | H25CA022 | 11.97 | 4.43 | 5.71 | 2.83 | 0.00 | 0.00 | 16.47 | 41.41 | 14.36 | 4.49 | 7.56 | 3.75 | 0.00 | 0.00 | 22.24 | 52.40 |
| | H25CA023 | 13.82 | 5.11 | 5.71 | 2.83 | 0.00 | 0.00 | 19.02 | 46.49 | 16.59 | 5.19 | 7.56 | 3.75 | 0.00 | 0.00 | 25.68 | 58.77 |
| | H25CA025 | 17.71 | 6.55 | 7.50 | 3.72 | 0.00 | 0.00 | 24.37 | 59.85 | 21.25 | 6.65 | 9.92 | 4.91 | 0.00 | 0.00 | 32.90 | 75.63 |
| | H25CA027 | 20.94 | 7.75 | 9.91 | 4.91 | 0.00 | 0.00 | 28.81 | 72.32 | 25.13 | 7.86 | 13.11 | 6.50 | 0.00 | 0.00 | 38.90 | 91.50 |
| | H25CA030 | 25.60 | 18.29 | 20.34 | 6.36 | 0.00 | 0.00 | 52.83 | 123.42 | 30.72 | 18.43 | 27.12 | 8.49 | 0.00 | 0.00 | 68.68 | 153.44 |
| | H25CA031 | 27.05 | 19.33 | 20.34 | 6.36 | 0.00 | 0.00 | 55.83 | 128.91 | 32.46 | 19.48 | 27.12 | 8.49 | 0.00 | 0.00 | 72.58 | 160.13 |
| | H25CA032 | 28.05 | 10.38 | 12.95 | 6.42 | 0.00 | 0.00 | 38.60 | 96.40 | 33.66 | 10.53 | 17.12 | 8.48 | 0.00 | 0.00 | 52.11 | 121.90 |
| | H25CA033 | 22.08 | 15.78 | 17.77 | 5.56 | 0.00 | 0.00 | 45.58 | 106.77 | 26.50 | 15.90 | 23.70 | 7.42 | 0.00 | 0.00 | 59.25 | 132.77 |
| | H25CS004 | 9.90 | 3.10 | 4.75 | 2.35 | 0.00 | 0.00 | 11.93 | 32.03 | 12.38 | 3.16 | 6.34 | 3.14 | 0.00 | 0.00 | 17.04 | 42.06 |
| | H25CS005 | 11.63 | 3.64 | 4.89 | 2.42 | 0.00 | 0.00 | 14.00 | 36.58 | 14.54 | 3.71 | 6.53 | 3.24 | 0.00 | 0.00 | 20.00 | 48.02 |
| | H25CS006 | 11.73 | 4.34 | 5.71 | 2.83 | 0.00 | 0.00 | 16.14 | 40.75 | 14.08 | 4.40 | 7.56 | 3.75 | 0.00 | 0.00 | 21.79 | 51.58 |
| | H25CS007 | 14.87 | 5.50 | 7.23 | 3.58 | 0.00 | 0.00 | 20.45 | 51.63 | 17.84 | 5.58 | 9.56 | 4.74 | 0.00 | 0.00 | 27.61 | 65.33 |
| | H25CS008 | 18.40 | 6.81 | 10.71 | 5.31 | 0.00 | 0.00 | 25.31 | 66.54 | 22.08 | 6.91 | 14.17 | 7.02 | 0.00 | 0.00 | 34.17 | 84.35 |
| | H25CS009 | 27.43 | 10.15 | 13.39 | 6.63 | 0.00 | 0.00 | 37.74 | 95.34 | 32.91 | 10.30 | 17.71 | 8.77 | 0.00 | 0.00 | 50.95 | 120.64 |
| | H25HI001 | 9.90 | 3.10 | 3.61 | 1.79 | 0.00 | 0.00 | 11.92 | 30.32 | 12.38 | 3.16 | 4.82 | 2.39 | 0.00 | 0.00 | 17.03 | 39.78 |
| | H25HI005 | 13.77 | 5.10 | 5.89 | 2.92 | 0.00 | 0.00 | 18.95 | 46.63 | 16.53 | 5.17 | 7.79 | 3.86 | 0.00 | 0.00 | 25.58 | 58.93 |
| | H25HI010 | 18.88 | 6.99 | 7.50 | 3.72 | 0.00 | 0.00 | 25.98 | 63.07 | 22.66 | 7.09 | 9.92 | 4.91 | 0.00 | 0.00 | 35.07 | 79.65 |
| | H25HI012 | 30.80 | 11.39 | 13.44 | 6.66 | 0.00 | 0.00 | 42.38 | 104.67 | 36.96 | 11.56 | 17.77 | 8.80 | 0.00 | 0.00 | 57.21 | 132.30 |
| | H25HI019 | 26.74 | 19.11 | 20.62 | 6.45 | 0.00 | 0.00 | 55.20 | 128.12 | 32.09 | 19.26 | 27.50 | 8.61 | 0.00 | 0.00 | 71.76 | 159.22 |
| | H25HI020 | 57.79 | 41.29 | 47.52 | 14.87 | 0.00 | 0.00 | 119.27 | 280.74 | 69.34 | 41.61 | 63.36 | 19.83 | 0.00 | 0.00 | 155.05 | 349.19 |
| | H25HI021 | 118.68 | 84.81 | 83.64 | 26.17 | 0.00 | 0.00 | 244.96 | 558.26 | 142.42 | 85.46 | 111.51 | 34.89 | 0.00 | 0.00 | 318.45 | 692.73 |
| | H25JD020 | 9.54 | 2.98 | 4.28 | 2.12 | 0.00 | 0.00 | 11.48 | 30.40 | 11.92 | 3.04 | 5.70 | 2.82 | 0.00 | 0.00 | 16.40 | 39.88 |
| | H25JD021 | 7.34 | 2.30 | 2.61 | 1.29 | 0.00 | 0.00 | 8.84 | 22.38 | 9.18 | 2.34 | 3.48 | 1.72 | 0.00 | 0.00 | 12.63 | 29.35 |
| | H25JD022 | 11.14 | 3.48 | 4.99 | 2.47 | 0.00 | 0.00 | 13.41 | 35.49 | 13.92 | 3.55 | 6.65 | 3.29 | 0.00 | 0.00 | 19.15 | 46.56 |
| | H25JD023 | 11.88 | 4.39 | 6.25 | 3.10 | 0.00 | 0.00 | 16.35 | 41.97 | 14.26 | 4.46 | 8.27 | 4.10 | 0.00 | 0.00 | 22.07 | 53.16 |
| | H25JD024 | 13.34 | 4.94 | 6.25 | 3.10 | 0.00 | 0.00 | 18.36 | 45.99 | 16.01 | 5.01 | 8.27 | 4.10 | 0.00 | 0.00 | 24.79 | 58.18 |
| | H25JD025 | 16.22 | 6.00 | 8.04 | 3.98 | 0.00 | 0.00 | 22.31 | 56.55 | 19.46 | 6.09 | 10.63 | 5.27 | 0.00 | 0.00 | 30.12 | 71.57 |
| | H25JD026 | 20.54 | 7.60 | 10.49 | 5.20 | 0.00 | 0.00 | 28.26 | 72.09 | 24.64 | 7.71 | 13.87 | 6.87 | 0.00 | 0.00 | 38.15 | 91.24 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *H25* | *cont.* | | | | | | | | | | | | | | | | |
| | H25JD027 | 26.91 | 9.96 | 12.72 | 6.30 | 0.00 | 0.00 | 37.03 | 92.92 | 32.29 | 10.10 | 16.83 | 8.34 | 0.00 | 0.00 | 49.99 | 117.55 |
| | H25JD028 | 23.08 | 12.52 | 17.15 | 4.92 | 0.00 | 0.00 | 43.67 | 101.34 | 27.70 | 12.64 | 22.87 | 6.56 | 0.00 | 0.00 | 57.17 | 126.94 |
| | H25JD029 | 22.53 | 16.10 | 20.62 | 6.45 | 0.00 | 0.00 | 46.51 | 112.21 | 27.04 | 16.23 | 27.50 | 8.61 | 0.00 | 0.00 | 60.47 | 139.85 |
| | H25KC016 | 9.58 | 3.00 | 4.47 | 2.21 | 0.00 | 0.00 | 11.54 | 30.80 | 11.98 | 3.06 | 5.96 | 2.95 | 0.00 | 0.00 | 16.48 | 40.43 |
| | H25KC017 | 6.72 | 2.10 | 2.57 | 1.27 | 0.00 | 0.00 | 8.09 | 20.75 | 8.40 | 2.14 | 3.42 | 1.69 | 0.00 | 0.00 | 11.56 | 27.21 |
| | H25KC019 | 12.05 | 4.46 | 6.38 | 3.16 | 0.00 | 0.00 | 16.58 | 42.63 | 14.46 | 4.52 | 8.44 | 4.18 | 0.00 | 0.00 | 22.39 | 53.99 |
| | H25KC020 | 13.76 | 5.09 | 6.38 | 3.16 | 0.00 | 0.00 | 18.93 | 47.32 | 16.51 | 5.17 | 8.44 | 4.18 | 0.00 | 0.00 | 25.56 | 59.86 |
| | H25KC021 | 13.85 | 5.12 | 7.86 | 3.89 | 0.00 | 0.00 | 19.06 | 49.78 | 16.62 | 5.20 | 10.39 | 5.15 | 0.00 | 0.00 | 25.73 | 63.09 |
| | H25KC022 | 16.46 | 6.09 | 7.86 | 3.89 | 0.00 | 0.00 | 22.64 | 56.94 | 19.75 | 6.18 | 10.39 | 5.15 | 0.00 | 0.00 | 30.57 | 72.04 |
| | H25KC023 | 19.88 | 7.35 | 10.62 | 5.26 | 0.00 | 0.00 | 27.35 | 70.46 | 23.85 | 7.46 | 14.05 | 6.96 | 0.00 | 0.00 | 36.92 | 89.24 |
| | H25KC024 | 17.16 | 9.31 | 14.54 | 4.17 | 0.00 | 0.00 | 32.46 | 77.64 | 20.59 | 9.39 | 19.39 | 5.56 | 0.00 | 0.00 | 42.49 | 97.42 |
| | H25KC025 | 18.92 | 10.27 | 14.54 | 4.17 | 0.00 | 0.00 | 35.80 | 83.70 | 22.71 | 10.36 | 19.39 | 5.56 | 0.00 | 0.00 | 46.87 | 104.89 |
| | H25KM001 | 11.48 | 3.59 | 4.85 | 2.40 | 0.00 | 0.00 | 13.83 | 36.15 | 14.35 | 3.66 | 6.46 | 3.20 | 0.00 | 0.00 | 19.75 | 47.42 |
| | H25KM003 | 13.44 | 4.21 | 4.99 | 2.47 | 0.00 | 0.00 | 16.18 | 41.29 | 16.80 | 4.29 | 6.65 | 3.29 | 0.00 | 0.00 | 23.12 | 54.15 |
| | H25KM004 | 16.91 | 6.26 | 7.05 | 3.49 | 0.00 | 0.00 | 23.27 | 56.98 | 20.30 | 6.35 | 9.33 | 4.62 | 0.00 | 0.00 | 31.42 | 72.02 |
| | H25KM005 | 23.46 | 8.68 | 10.36 | 5.13 | 0.00 | 0.00 | 32.27 | 79.90 | 28.15 | 8.81 | 13.70 | 6.79 | 0.00 | 0.00 | 43.57 | 101.02 |
| | H25KM009 | 29.17 | 20.84 | 21.05 | 6.59 | 0.00 | 0.00 | 60.20 | 137.85 | 35.00 | 21.00 | 28.07 | 8.78 | 0.00 | 0.00 | 78.26 | 171.11 |
| | H25KM010 | 40.39 | 28.86 | 29.03 | 9.08 | 0.00 | 0.00 | 83.37 | 190.73 | 48.47 | 29.09 | 38.71 | 12.11 | 0.00 | 0.00 | 108.38 | 236.76 |
| | H25KM011 | 42.49 | 30.36 | 29.03 | 9.08 | 0.00 | 0.00 | 87.69 | 198.65 | 50.98 | 30.59 | 38.71 | 12.11 | 0.00 | 0.00 | 114.00 | 246.39 |
| | H25KM012 | 14.80 | 5.48 | 5.94 | 2.94 | 0.00 | 0.00 | 20.37 | 49.53 | 17.76 | 5.56 | 7.85 | 3.89 | 0.00 | 0.00 | 27.50 | 62.56 |
| | H25KM013 | 30.60 | 11.32 | 13.66 | 6.77 | 0.00 | 0.00 | 42.11 | 104.46 | 36.72 | 11.49 | 18.07 | 8.95 | 0.00 | 0.00 | 56.85 | 132.08 |
| | H25KM014 | 21.52 | 11.67 | 14.54 | 4.17 | 0.00 | 0.00 | 40.71 | 92.61 | 25.82 | 11.78 | 19.39 | 5.56 | 0.00 | 0.00 | 53.30 | 115.85 |
| | H25KM015 | 30.19 | 16.38 | 18.25 | 5.23 | 0.00 | 0.00 | 57.11 | 127.16 | 36.22 | 16.53 | 24.33 | 6.98 | 0.00 | 0.00 | 74.77 | 158.83 |
| | H25KN001 | 4.03 | 0.67 | 0.00 | 0.50 | 0.00 | 0.00 | 6.17 | 11.37 | | | | | | | | |
| | H25KN002 | 5.59 | 0.92 | 0.00 | 0.50 | 0.00 | 0.00 | 8.54 | 15.55 | | | | | | | | |
| | H25KN003 | 6.83 | 1.13 | 0.00 | 0.50 | 0.00 | 0.00 | 10.45 | 18.91 | | | | | | | | |
| | H25KN004 | 8.86 | 1.47 | 0.00 | 0.50 | 0.00 | 0.00 | 13.55 | 24.38 | | | | | | | | |
| | H25KN005 | 11.14 | 1.84 | 0.00 | 1.00 | 0.00 | 0.00 | 17.04 | 31.02 | | | | | | | | |
| | H25KN006 | 15.80 | 2.61 | 0.00 | 1.00 | 0.00 | 0.00 | 24.17 | 43.58 | | | | | | | | |
| | H25KN007 | 0.57 | 0.09 | 0.00 | 0.15 | 0.00 | 0.00 | 0.87 | 1.68 | | | | | | | | |
| | H25KN009 | 1.16 | 0.19 | 0.00 | 0.15 | 0.00 | 0.00 | 1.77 | 3.27 | | | | | | | | |
| | H25KN010 | 1.73 | 0.29 | 0.00 | 0.15 | 0.00 | 0.00 | 2.64 | 4.81 | | | | | | | | |
| | H25LU001 | 2.64 | 0.44 | 0.00 | 0.40 | 0.00 | 0.00 | 3.64 | 7.12 | | | | | | | | |
| | H25LU002 | 3.55 | 0.59 | 0.00 | 0.50 | 0.00 | 0.00 | 4.88 | 9.52 | | | | | | | | |
| | H25LU003 | 5.58 | 0.92 | 0.00 | 0.80 | 0.00 | 0.00 | 7.68 | 14.98 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *H25* | *cont.* | | | | | | | | | | | | | | | | |
| | H25LU004 | 7.13 | 1.18 | 0.00 | 0.90 | 0.00 | 0.00 | 9.82 | 19.03 | | | | | | | | |
| | H25LU005 | 7.61 | 1.26 | 0.00 | 1.10 | 0.00 | 0.00 | 10.48 | 20.45 | | | | | | | | |
| | H25LU006 | 11.26 | 1.86 | 0.00 | 1.50 | 0.00 | 0.00 | 15.50 | 30.12 | | | | | | | | |
| | H25LU007 | 9.23 | 1.53 | 0.00 | 1.40 | 0.00 | 0.00 | 12.71 | 24.87 | | | | | | | | |
| | H25LU008 | 12.80 | 2.12 | 0.00 | 1.60 | 0.00 | 0.00 | 17.62 | 34.14 | | | | | | | | |
| | H25LU009 | 13.34 | 2.21 | 0.00 | 1.70 | 0.00 | 0.00 | 18.37 | 35.62 | | | | | | | | |
| | H25LU010 | 16.71 | 2.76 | 0.00 | 2.00 | 0.00 | 0.00 | 23.00 | 44.47 | | | | | | | | |
| | H25LU011 | 15.99 | 2.65 | 0.00 | 2.00 | 0.00 | 0.00 | 22.01 | 42.65 | | | | | | | | |
| | H25LU012 | 20.27 | 3.35 | 0.00 | 2.50 | 0.00 | 0.00 | 27.90 | 54.02 | | | | | | | | |
| | H25LU013 | 20.31 | 3.36 | 0.00 | 2.60 | 0.00 | 0.00 | 27.95 | 54.22 | | | | | | | | |
| | H25LU014 | 24.46 | 4.05 | 0.00 | 3.00 | 0.00 | 0.00 | 33.66 | 65.17 | | | | | | | | |
| | H25LU015 | 22.70 | 3.75 | 0.00 | 3.00 | 0.00 | 0.00 | 31.24 | 60.69 | | | | | | | | |
| | H25LU016 | 28.02 | 4.63 | 0.00 | 3.60 | 0.00 | 0.00 | 38.57 | 74.82 | | | | | | | | |
| | H25LU023 | 1.39 | 0.25 | 0.00 | 0.25 | 0.00 | 0.00 | 1.81 | 3.70 | | | | | | | | |
| | H25LU024 | 2.03 | 0.37 | 0.00 | 0.30 | 0.00 | 0.00 | 2.64 | 5.34 | | | | | | | | |
| | H25LU025 | 2.51 | 0.45 | 0.00 | 0.40 | 0.00 | 0.00 | 3.26 | 6.62 | | | | | | | | |
| | H25LU026 | 2.88 | 0.52 | 0.00 | 0.50 | 0.00 | 0.00 | 3.74 | 7.64 | | | | | | | | |
| | H25LU027 | 3.23 | 0.58 | 0.00 | 0.60 | 0.00 | 0.00 | 4.20 | 8.61 | | | | | | | | |
| | H25LU028 | 4.16 | 0.75 | 0.00 | 0.70 | 0.00 | 0.00 | 5.41 | 11.02 | | | | | | | | |
| | H25LU029 | 3.24 | 0.58 | 0.00 | 0.40 | 0.00 | 0.00 | 4.21 | 8.43 | | | | | | | | |
| | H25LU030 | 5.00 | 0.90 | 0.00 | 0.60 | 0.00 | 0.00 | 6.50 | 13.00 | | | | | | | | |
| | H25LU031 | 8.27 | 1.49 | 0.00 | 1.20 | 0.00 | 0.00 | 10.76 | 21.72 | | | | | | | | |
| | H25LU032 | 9.93 | 1.79 | 0.00 | 1.40 | 0.00 | 0.00 | 12.91 | 26.03 | | | | | | | | |
| | H25LU033 | 4.49 | 0.81 | 0.00 | 0.60 | 0.00 | 0.00 | 5.84 | 11.74 | | | | | | | | |
| | H25LU034 | 6.06 | 1.09 | 0.00 | 0.80 | 0.00 | 0.00 | 7.88 | 15.83 | | | | | | | | |
| | H25LU035 | 6.46 | 1.17 | 0.00 | 0.90 | 0.00 | 0.00 | 8.39 | 16.92 | | | | | | | | |
| | H25LU036 | 6.84 | 1.24 | 0.00 | 1.00 | 0.00 | 0.00 | 8.89 | 17.97 | | | | | | | | |
| | H25LU040 | 12.40 | 2.05 | 0.00 | 0.75 | 0.00 | 0.00 | 18.96 | 34.16 | | | | | | | | |
| | H25LU041 | 15.72 | 2.60 | 0.00 | 0.75 | 0.00 | 0.00 | 24.05 | 43.12 | | | | | | | | |
| | H25LU042 | 19.11 | 3.16 | 0.00 | 1.50 | 0.00 | 0.00 | 29.23 | 53.00 | | | | | | | | |
| | H25LU045 | 3.02 | 0.50 | 0.00 | 0.50 | 0.00 | 0.00 | 4.62 | 8.64 | | | | | | | | |
| | H25LU046 | 3.24 | 0.54 | 0.00 | 0.50 | 0.00 | 0.00 | 4.95 | 9.23 | | | | | | | | |
| | H25LU047 | 3.76 | 0.62 | 0.00 | 0.60 | 0.00 | 0.00 | 5.75 | 10.73 | | | | | | | | |
| | H25LU048 | 4.18 | 0.69 | 0.00 | 0.70 | 0.00 | 0.00 | 6.39 | 11.96 | | | | | | | | |
| | H25LU049 | 5.06 | 0.84 | 0.00 | 0.80 | 0.00 | 0.00 | 7.74 | 14.44 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***H25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | H25LU050 | 6.19 | 1.02 | 0.00 | 0.90 | 0.00 | 0.00 | 9.47 | 17.58 | | | | | | | | |
| | H25LU053 | 14.07 | 2.33 | 0.00 | 0.75 | 0.00 | 0.00 | 21.51 | 38.66 | | | | | | | | |
| | H25LU054 | 17.32 | 2.87 | 0.00 | 0.75 | 0.00 | 0.00 | 26.49 | 47.43 | | | | | | | | |
| | H25OK001 | 21.75 | 15.54 | 19.01 | 5.95 | 0.00 | 0.00 | 44.90 | 107.15 | 26.10 | 15.66 | 25.34 | 7.93 | 0.00 | 0.00 | 58.37 | 133.40 |
| | H25TK001 | 1.56 | 0.49 | 0.38 | 0.19 | 0.00 | 0.00 | 1.87 | 4.49 | 1.94 | 0.50 | 0.51 | 0.25 | 0.00 | 0.00 | 2.68 | 5.88 |
| | H25TK002 | 2.12 | 0.66 | 0.76 | 0.38 | 0.00 | 0.00 | 2.55 | 6.47 | 2.65 | 0.68 | 1.01 | 0.50 | 0.00 | 0.00 | 3.64 | 8.48 |
| | H25TK004 | 2.69 | 0.84 | 1.24 | 0.61 | 0.00 | 0.00 | 3.24 | 8.62 | 3.36 | 0.86 | 1.65 | 0.82 | 0.00 | 0.00 | 4.63 | 11.32 |
| | H25TK005 | 3.13 | 0.98 | 1.57 | 0.78 | 0.00 | 0.00 | 3.77 | 10.23 | 3.92 | 1.00 | 2.09 | 1.04 | 0.00 | 0.00 | 5.39 | 13.44 |
| | H25TK006 | 4.46 | 1.40 | 2.04 | 1.01 | 0.00 | 0.00 | 5.37 | 14.28 | 5.57 | 1.42 | 2.72 | 1.35 | 0.00 | 0.00 | 7.67 | 18.73 |
| | H25TK007 | 6.21 | 1.94 | 2.66 | 1.32 | 0.00 | 0.00 | 7.47 | 19.60 | 7.76 | 1.98 | 3.55 | 1.76 | 0.00 | 0.00 | 10.68 | 25.73 |
| | H25WN001 | 1.51 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 1.97 | 3.75 | | | | | | | | |
| **H30** | | | | | | | | | | | | | | | | | |
| | H30CA005 | 16.65 | 4.36 | 5.71 | 2.68 | 0.76 | 0.14 | 14.41 | 44.71 | 22.20 | 4.51 | 7.37 | 3.46 | 0.97 | 0.18 | 21.16 | 59.85 |
| | H30GA001 | 16.01 | 4.16 | 8.04 | 3.77 | 0.77 | 0.14 | 13.83 | 46.72 | 21.34 | 4.30 | 10.07 | 4.73 | 0.96 | 0.18 | 20.30 | 61.88 |
| | H30GA003 | 14.69 | 3.81 | 3.93 | 1.84 | 0.42 | 0.08 | 12.69 | 37.46 | 19.59 | 3.95 | 4.79 | 2.25 | 0.53 | 0.10 | 18.63 | 49.84 |
| | H30GA004 | 16.21 | 4.21 | 3.93 | 1.84 | 0.49 | 0.09 | 14.01 | 40.78 | 21.61 | 4.36 | 4.79 | 2.25 | 0.61 | 0.11 | 20.56 | 54.29 |
| | H30GA006 | 23.80 | 6.18 | 8.87 | 4.17 | 0.72 | 0.13 | 20.56 | 64.43 | 31.73 | 6.40 | 11.15 | 5.23 | 0.89 | 0.16 | 30.18 | 85.74 |
| | H30KM001 | 15.27 | 4.86 | 5.58 | 2.62 | 0.56 | 0.10 | 15.83 | 44.82 | 19.09 | 4.95 | 7.20 | 3.38 | 0.71 | 0.13 | 21.45 | 56.91 |
| **H35** | | | | | | | | | | | | | | | | | |
| | H35CA001 | 20.60 | 19.68 | 20.34 | 6.36 | 0.00 | 0.00 | 39.87 | 106.85 | 24.72 | 19.81 | 27.12 | 8.49 | 0.00 | 0.00 | 51.83 | 131.97 |
| | H35HI002 | 41.15 | 39.31 | 47.52 | 14.87 | 0.00 | 0.00 | 79.63 | 222.48 | 49.38 | 39.57 | 63.36 | 19.83 | 0.00 | 0.00 | 103.52 | 275.66 |
| | H35HI003 | 10.14 | 9.68 | 83.64 | 26.17 | 0.00 | 0.00 | 19.61 | 149.24 | 12.16 | 9.75 | 111.51 | 34.89 | 0.00 | 0.00 | 25.50 | 193.81 |
| | H35HI004 | 20.98 | 20.04 | 20.62 | 6.45 | 0.00 | 0.00 | 40.60 | 108.69 | 25.18 | 20.17 | 27.50 | 8.61 | 0.00 | 0.00 | 52.79 | 134.25 |
| | H35KC001 | 7.40 | 7.07 | 11.31 | 3.54 | 0.00 | 0.00 | 14.33 | 43.65 | 8.89 | 7.12 | 15.08 | 4.72 | 0.00 | 0.00 | 18.63 | 54.44 |
| | H35KC002 | 9.50 | 9.07 | 14.54 | 4.55 | 0.00 | 0.00 | 18.38 | 56.04 | 11.40 | 9.13 | 19.39 | 6.07 | 0.00 | 0.00 | 23.90 | 69.89 |
| | H35KM008 | 47.02 | 44.91 | 43.15 | 13.50 | 0.00 | 0.00 | 90.98 | 239.56 | 56.42 | 45.20 | 57.53 | 18.00 | 0.00 | 0.00 | 118.27 | 295.42 |
| | H35OK001 | 21.03 | 20.09 | 23.57 | 7.38 | 0.00 | 0.00 | 40.70 | 112.77 | 25.24 | 20.22 | 31.43 | 9.83 | 0.00 | 0.00 | 52.91 | 139.63 |
| | H35OK003 | 39.00 | 37.25 | 40.68 | 12.73 | 0.00 | 0.00 | 75.47 | 205.13 | 46.80 | 37.50 | 54.24 | 16.97 | 0.00 | 0.00 | 98.11 | 253.62 |
| | H35OK004 | 53.95 | 51.54 | 54.65 | 17.10 | 0.00 | 0.00 | 104.40 | 281.64 | 64.74 | 51.87 | 72.86 | 22.80 | 0.00 | 0.00 | 135.72 | 347.99 |
| | H35OK005 | 114.86 | 109.72 | 97.89 | 30.63 | 0.00 | 0.00 | 222.25 | 575.35 | 137.83 | 110.43 | 130.52 | 40.84 | 0.00 | 0.00 | 288.93 | 708.55 |
| **L10** | | | | | | | | | | | | | | | | | |
| | L10BS002 | 1.97 | 0.56 | 0.00 | 0.30 | 0.00 | 0.00 | 2.94 | 5.77 | 2.82 | 0.58 | 0.00 | 0.30 | 0.00 | 0.00 | 4.66 | 8.36 |
| | L10BS004 | 0.68 | 0.19 | 0.00 | 0.25 | 0.00 | 0.00 | 1.01 | 2.13 | 0.97 | 0.20 | 0.00 | 0.25 | 0.00 | 0.00 | 1.61 | 3.03 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *L10* | *cont.* | | | | | | | | | | | | | | | | |
| | L10BS005 | 1.81 | 0.51 | 0.00 | 0.30 | 0.00 | 0.00 | 2.69 | 5.31 | 2.59 | 0.53 | 0.00 | 0.30 | 0.00 | 0.00 | 4.27 | 7.69 |
| | L10BS006 | 2.87 | 0.81 | 0.00 | 0.40 | 0.00 | 0.00 | 4.27 | 8.35 | 4.10 | 0.85 | 0.00 | 0.40 | 0.00 | 0.00 | 6.77 | 12.12 |
| | L10BS007 | 2.54 | 0.72 | 0.00 | 0.50 | 0.00 | 0.00 | 3.78 | 7.54 | 3.63 | 0.75 | 0.00 | 0.50 | 0.00 | 0.00 | 6.00 | 10.88 |
| | L10BU005 | 0.56 | 0.16 | 0.00 | 1.10 | 0.00 | 0.00 | 0.83 | 2.65 | 0.79 | 0.16 | 0.00 | 1.10 | 0.00 | 0.00 | 1.31 | 3.36 |
| | L10BU009 | 0.34 | 0.10 | 0.00 | 0.90 | 0.00 | 0.00 | 0.51 | 1.85 | 0.49 | 0.10 | 0.00 | 0.90 | 0.00 | 0.00 | 0.80 | 2.29 |
| | L10BU010 | 0.44 | 0.13 | 0.00 | 0.80 | 0.00 | 0.00 | 0.66 | 2.03 | 0.64 | 0.13 | 0.00 | 0.80 | 0.00 | 0.00 | 1.05 | 2.62 |
| | L10BU011 | 0.93 | 0.26 | 0.00 | 1.50 | 0.00 | 0.00 | 1.38 | 4.07 | 1.32 | 0.27 | 0.00 | 1.50 | 0.00 | 0.00 | 2.19 | 5.28 |
| | L10BU012 | 1.17 | 0.33 | 0.00 | 2.00 | 0.00 | 0.00 | 1.74 | 5.24 | 1.67 | 0.34 | 0.00 | 2.00 | 0.00 | 0.00 | 2.76 | 6.77 |
| | L10BU013 | 1.42 | 0.40 | 0.00 | 2.50 | 0.00 | 0.00 | 2.11 | 6.43 | 2.03 | 0.42 | 0.00 | 2.50 | 0.00 | 0.00 | 3.35 | 8.30 |
| | L10RM004 | 2.67 | 0.76 | 0.00 | 0.40 | 0.00 | 0.00 | 3.98 | 7.81 | 3.82 | 0.79 | 0.00 | 0.40 | 0.00 | 0.00 | 6.31 | 11.32 |
| | L10VE002 | 0.95 | 0.27 | 3.88 | 1.52 | 0.02 | 0.00 | 1.41 | 8.05 | 1.35 | 0.28 | 5.04 | 1.97 | 0.03 | 0.01 | 2.24 | 10.92 |
| | L10VE005 | 0.70 | 0.20 | 1.48 | 0.58 | 0.03 | 0.01 | 1.04 | 4.04 | 1.00 | 0.21 | 1.93 | 0.75 | 0.04 | 0.01 | 1.65 | 5.59 |
| | L10VE006 | 1.69 | 0.48 | 1.48 | 0.58 | 0.03 | 0.01 | 2.52 | 6.79 | 2.41 | 0.50 | 1.93 | 0.75 | 0.04 | 0.01 | 4.00 | 9.64 |
| | L10VE007 | 1.65 | 0.47 | 0.00 | 1.50 | 0.00 | 0.00 | 2.45 | 6.07 | 2.36 | 0.49 | 0.00 | 1.50 | 0.00 | 0.00 | 3.89 | 8.24 |
| | L10VE009 | 1.89 | 0.54 | 7.41 | 2.90 | 0.03 | 0.01 | 2.82 | 15.60 | 2.70 | 0.56 | 9.63 | 3.77 | 0.04 | 0.01 | 4.47 | 21.18 |
| | L10VE010 | 0.92 | 0.26 | 2.85 | 1.11 | 0.02 | 0.00 | 1.37 | 6.53 | 1.31 | 0.27 | 3.71 | 1.45 | 0.03 | 0.01 | 2.17 | 8.95 |
| **L15** | | | | | | | | | | | | | | | | | |
| | L15EX002 | 3.06 | 0.38 | 1.36 | 0.43 | 0.15 | 0.03 | 3.30 | 8.71 | | | | | | | | |
| | L15EX010 | 4.59 | 0.55 | 8.21 | 2.57 | 0.07 | 0.01 | 4.93 | 20.93 | | | | | | | | |
| | L15EX012 | 5.83 | 0.72 | 5.78 | 1.81 | 0.22 | 0.04 | 6.28 | 20.68 | | | | | | | | |
| | L15EX014 | 1.13 | 0.14 | 3.04 | 0.95 | 0.06 | 0.01 | 1.22 | 6.55 | | | | | | | | |
| | L15EX015 | 1.81 | 0.23 | 3.34 | 1.05 | 0.11 | 0.02 | 1.95 | 8.51 | | | | | | | | |
| | L15FG001 | 9.73 | 1.15 | 6.44 | 2.02 | 0.00 | 0.00 | 10.41 | 29.75 | | | | | | | | |
| | L15JD001 | 2.02 | 0.26 | 3.04 | 0.95 | 0.18 | 0.03 | 2.20 | 8.68 | | | | | | | | |
| | L15JD002 | 2.83 | 0.36 | 3.34 | 1.05 | 0.20 | 0.04 | 3.06 | 10.88 | | | | | | | | |
| | L15JD003 | 4.40 | 0.55 | 1.65 | 0.52 | 0.23 | 0.04 | 4.75 | 12.14 | | | | | | | | |
| | L15JD004 | 3.60 | 0.45 | 1.30 | 0.41 | 0.20 | 0.04 | 3.89 | 9.89 | | | | | | | | |
| | L15TO001 | 0.18 | 0.02 | 0.91 | 0.28 | 0.00 | 0.00 | 0.20 | 1.59 | | | | | | | | |
| | L15TO002 | 0.46 | 0.06 | 1.22 | 0.38 | 0.05 | 0.01 | 0.50 | 2.68 | | | | | | | | |
| | L15TO003 | 0.94 | 0.12 | 2.58 | 0.81 | 0.05 | 0.01 | 1.01 | 5.52 | | | | | | | | |
| | L15TO004 | 0.99 | 0.12 | 2.58 | 0.81 | 0.04 | 0.01 | 1.06 | 5.61 | | | | | | | | |
| | L15TO005 | 4.07 | 0.49 | 1.36 | 0.43 | 0.09 | 0.02 | 4.37 | 10.83 | | | | | | | | |
| | L15TO006 | 3.31 | 0.40 | 3.50 | 1.10 | 0.09 | 0.02 | 3.56 | 11.98 | | | | | | | | |
| | L15TO007 | 3.65 | 0.44 | 6.84 | 2.14 | 0.09 | 0.02 | 3.92 | 17.10 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***L15*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | L15TO008 | 4.62 | 0.56 | 1.48 | 0.46 | 0.09 | 0.02 | 4.96 | 12.19 | | | | | | | | |
| | L15WI001 | 1.24 | 0.15 | 0.00 | 0.00 | 0.03 | 0.01 | 1.33 | 2.76 | | | | | | | | |
| **L20** | | | | | | | | | | | | | | | | | |
| | L20AB012 | 1.66 | 0.39 | 0.76 | 0.24 | 0.06 | 0.01 | 4.06 | 7.18 | | | | | | | | |
| | L20AB013 | 1.40 | 0.33 | 1.05 | 0.33 | 0.04 | 0.01 | 3.43 | 6.59 | | | | | | | | |
| | L20AB014 | 1.26 | 0.30 | 0.76 | 0.24 | 0.04 | 0.01 | 3.08 | 5.69 | | | | | | | | |
| | L20AB015 | 0.65 | 0.16 | 0.00 | 0.00 | 0.04 | 0.01 | 1.60 | 2.46 | | | | | | | | |
| | L20AB016 | 0.68 | 0.16 | 0.00 | 0.00 | 0.04 | 0.01 | 1.68 | 2.57 | | | | | | | | |
| | L20AI001 | 0.48 | 0.12 | 0.65 | 0.20 | 0.02 | 0.00 | 1.19 | 2.66 | | | | | | | | |
| | L20AI002 | 1.73 | 0.41 | 0.70 | 0.22 | 0.03 | 0.01 | 4.22 | 7.32 | | | | | | | | |
| | L20AI003 | 1.93 | 0.45 | 1.01 | 0.32 | 0.03 | 0.01 | 4.71 | 8.46 | | | | | | | | |
| | L20AI004 | 2.57 | 0.60 | 0.98 | 0.31 | 0.03 | 0.01 | 6.27 | 10.77 | | | | | | | | |
| **L25** | | | | | | | | | | | | | | | | | |
| | L25MB001 | 0.24 | 0.06 | 0.81 | 1.00 | 0.00 | 0.00 | 0.47 | 2.58 | | | | | | | | |
| | L25MB002 | 0.33 | 0.08 | 0.81 | 1.25 | 0.00 | 0.00 | 0.64 | 3.11 | | | | | | | | |
| | L25MB003 | 1.08 | 0.25 | 1.62 | 1.76 | 0.00 | 0.00 | 2.10 | 6.81 | | | | | | | | |
| | L25MB004 | 9.84 | 2.31 | 30.69 | 11.10 | 0.30 | 0.06 | 19.23 | 73.53 | | | | | | | | |
| | L25MB005 | 0.47 | 0.11 | 1.62 | 1.51 | 0.00 | 0.00 | 0.91 | 4.62 | | | | | | | | |
| | L25MB006 | 7.74 | 1.80 | 9.69 | 4.28 | 0.00 | 0.00 | 15.09 | 38.60 | | | | | | | | |
| | L25MB007 | 3.53 | 0.82 | 3.71 | 2.16 | 0.00 | 0.00 | 6.88 | 17.10 | | | | | | | | |
| | L25MB008 | 18.28 | 4.30 | 30.69 | 11.10 | 0.55 | 0.10 | 35.74 | 100.76 | | | | | | | | |
| **L30** | | | | | | | | | | | | | | | | | |
| | L30MO001 | 2.89 | 0.84 | 3.71 | 1.35 | 0.12 | 0.02 | 4.71 | 13.64 | 3.61 | 0.86 | 4.85 | 1.77 | 0.13 | 0.02 | 6.48 | 17.72 |
| | L30MO002 | 3.02 | 0.88 | 3.71 | 1.35 | 0.12 | 0.02 | 4.93 | 14.03 | 3.78 | 0.90 | 4.85 | 1.77 | 0.13 | 0.02 | 6.78 | 18.23 |
| | L30MX008 | 2.05 | 0.58 | 0.00 | 0.75 | 0.00 | 0.00 | 3.33 | 6.71 | 2.56 | 0.59 | 0.00 | 0.75 | 0.00 | 0.00 | 4.58 | 8.48 |
| **L35** | | | | | | | | | | | | | | | | | |
| | L35CA005 | 16.65 | 3.87 | 6.27 | 3.11 | 0.00 | 0.00 | 37.14 | 67.04 | 22.20 | 4.01 | 8.19 | 4.06 | 0.00 | 0.00 | 51.36 | 89.82 |
| | L35CA007 | 31.90 | 7.41 | 10.89 | 5.40 | 0.00 | 0.00 | 71.18 | 126.78 | 42.53 | 7.68 | 14.21 | 7.04 | 0.00 | 0.00 | 98.41 | 169.87 |
| | L35CA011 | 8.68 | 2.02 | 3.63 | 1.80 | 0.00 | 0.00 | 19.38 | 35.51 | 11.58 | 2.09 | 4.74 | 2.35 | 0.00 | 0.00 | 26.79 | 47.55 |
| | L35CA012 | 9.36 | 2.17 | 3.63 | 1.80 | 0.00 | 0.00 | 20.89 | 37.85 | 12.48 | 2.26 | 4.74 | 2.35 | 0.00 | 0.00 | 28.89 | 50.72 |
| | L35CA013 | 10.80 | 2.51 | 4.67 | 2.31 | 0.00 | 0.00 | 24.10 | 44.39 | 14.40 | 2.60 | 6.09 | 3.02 | 0.00 | 0.00 | 33.32 | 59.43 |
| | L35CA014 | 21.63 | 5.02 | 8.29 | 4.11 | 0.00 | 0.00 | 48.27 | 87.32 | 28.84 | 5.21 | 10.83 | 5.37 | 0.00 | 0.00 | 66.73 | 116.98 |
| | L35JD002 | 8.73 | 2.03 | 3.63 | 1.80 | 0.00 | 0.00 | 19.48 | 35.67 | 11.64 | 2.10 | 4.74 | 2.35 | 0.00 | 0.00 | 26.93 | 47.76 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *L35* | *cont.* | | | | | | | | | | | | | | | | |
| | L35JD003 | 10.92 | 2.54 | 4.67 | 2.31 | 0.00 | 0.00 | 24.37 | 44.81 | 14.56 | 2.63 | 6.09 | 3.02 | 0.00 | 0.00 | 33.69 | 59.99 |
| | L35KM006 | 36.16 | 8.40 | 10.37 | 5.14 | 0.00 | 0.00 | 80.69 | 140.76 | 48.22 | 8.71 | 13.54 | 6.71 | 0.00 | 0.00 | 111.57 | 188.75 |
| | L35TK001 | 3.66 | 0.85 | 3.16 | 1.57 | 0.00 | 0.00 | 8.17 | 17.41 | 4.88 | 0.88 | 4.13 | 2.05 | 0.00 | 0.00 | 11.29 | 23.23 |
| L40 | | | | | | | | | | | | | | | | | |
| | L40CA007 | 24.73 | 8.64 | 14.26 | 5.58 | 7.72 | 1.42 | 28.49 | 90.84 | 29.68 | 8.77 | 19.01 | 7.44 | 14.74 | 2.72 | 36.65 | 119.01 |
| | L40CA008 | 35.66 | 12.56 | 20.43 | 7.99 | 8.65 | 1.60 | 41.15 | 128.04 | 42.80 | 12.75 | 27.24 | 10.65 | 16.51 | 3.05 | 52.95 | 165.95 |
| | L40CA009 | 82.83 | 29.09 | 38.02 | 14.87 | 11.83 | 2.18 | 95.53 | 274.35 | 99.40 | 29.54 | 50.69 | 19.83 | 22.58 | 4.17 | 122.91 | 349.12 |
| | L40CA012 | 10.11 | 3.23 | 5.94 | 3.25 | 1.43 | 0.26 | 13.28 | 37.50 | 12.64 | 3.30 | 7.92 | 4.34 | 2.73 | 0.50 | 17.70 | 49.13 |
| | L40CA013 | 7.53 | 2.42 | 4.28 | 2.34 | 1.31 | 0.24 | 9.91 | 28.03 | 9.41 | 2.47 | 5.70 | 3.12 | 2.50 | 0.46 | 13.21 | 36.87 |
| | L40CA014 | 17.37 | 5.52 | 9.50 | 5.20 | 1.78 | 0.33 | 22.79 | 62.49 | 21.71 | 5.63 | 12.67 | 6.94 | 3.40 | 0.63 | 30.38 | 81.36 |
| | L40CA015 | 89.84 | 28.18 | 6.51 | 3.56 | 1.43 | 0.26 | 109.55 | 239.33 | 112.29 | 28.72 | 8.68 | 4.75 | 2.73 | 0.50 | 146.82 | 304.49 |
| | L40CA018 | 59.35 | 20.98 | 29.70 | 11.62 | 9.73 | 1.80 | 68.54 | 201.72 | 71.22 | 21.31 | 39.60 | 15.49 | 18.58 | 3.43 | 88.18 | 257.81 |
| | L40CA019 | 7.46 | 2.40 | 4.66 | 2.55 | 1.31 | 0.24 | 9.15 | 27.77 | 9.32 | 2.44 | 6.21 | 3.40 | 2.50 | 0.46 | 12.26 | 36.59 |
| | L40CA022 | 8.14 | 2.62 | 5.32 | 2.91 | 1.43 | 0.26 | 9.99 | 30.67 | 10.18 | 2.67 | 7.10 | 3.89 | 2.73 | 0.50 | 13.39 | 40.46 |
| | L40CA023 | 11.94 | 3.89 | 6.89 | 3.77 | 3.05 | 0.56 | 14.70 | 44.80 | 14.92 | 3.96 | 9.19 | 5.03 | 5.81 | 1.07 | 19.70 | 59.68 |
| | L40CA024 | 15.17 | 4.96 | 8.55 | 4.68 | 4.30 | 0.79 | 18.70 | 57.15 | 18.97 | 5.06 | 11.40 | 6.24 | 8.21 | 1.51 | 25.06 | 76.45 |
| | L40CA025 | 15.99 | 5.21 | 9.50 | 5.20 | 4.30 | 0.79 | 19.69 | 60.68 | 19.98 | 5.31 | 12.67 | 6.94 | 8.21 | 1.51 | 26.39 | 81.01 |
| | L40CA026 | 20.99 | 6.86 | 11.17 | 6.12 | 5.95 | 1.10 | 25.86 | 78.05 | 26.23 | 6.99 | 14.89 | 8.15 | 11.36 | 2.10 | 34.66 | 104.38 |
| | L40CA027 | 19.94 | 6.91 | 12.59 | 4.92 | 4.97 | 0.92 | 22.94 | 73.19 | 23.93 | 7.02 | 16.79 | 6.57 | 9.48 | 1.75 | 29.51 | 95.05 |
| | L40CA028 | 2.23 | 0.54 | 2.54 | 1.39 | 0.26 | 0.05 | 2.93 | 9.94 | | | | | | | | |
| | L40CA029 | 2.34 | 0.56 | 2.80 | 1.53 | 0.26 | 0.05 | 3.07 | 10.61 | | | | | | | | |
| | L40CA030 | 2.81 | 0.68 | 3.06 | 1.68 | 0.36 | 0.07 | 3.70 | 12.36 | | | | | | | | |
| | L40CA031 | 2.98 | 0.72 | 3.84 | 2.10 | 0.36 | 0.07 | 3.92 | 13.99 | | | | | | | | |
| | L40CS009 | 8.96 | 2.93 | 5.99 | 3.28 | 2.65 | 0.49 | 11.05 | 35.35 | 11.20 | 2.99 | 7.98 | 4.37 | 5.05 | 0.93 | 14.81 | 47.33 |
| | L40CS010 | 11.36 | 3.68 | 6.65 | 3.64 | 2.65 | 0.49 | 13.97 | 42.44 | 14.20 | 3.76 | 8.87 | 4.86 | 5.05 | 0.93 | 18.72 | 56.39 |
| | L40CS011 | 14.85 | 4.85 | 8.08 | 4.42 | 4.08 | 0.75 | 18.29 | 55.32 | 18.56 | 4.94 | 10.77 | 5.90 | 7.79 | 1.44 | 24.51 | 73.91 |
| | L40CS012 | 17.37 | 6.09 | 11.78 | 4.61 | 5.95 | 1.10 | 20.03 | 66.93 | 20.84 | 6.18 | 15.71 | 6.14 | 11.36 | 2.10 | 25.77 | 88.10 |
| | L40CS014 | 1.72 | 0.41 | 1.30 | 0.71 | 0.13 | 0.02 | 2.25 | 6.54 | | | | | | | | |
| | L40CS016 | 2.15 | 0.51 | 2.38 | 1.30 | 0.21 | 0.04 | 2.83 | 9.42 | | | | | | | | |
| | L40CS017 | 2.41 | 0.57 | 2.59 | 1.42 | 0.21 | 0.04 | 3.16 | 10.40 | | | | | | | | |
| | L40CS018 | 2.87 | 0.69 | 2.90 | 1.59 | 0.28 | 0.05 | 3.77 | 12.15 | | | | | | | | |
| | L40JC004 | 4.63 | 1.51 | 4.75 | 2.60 | 1.22 | 0.23 | 6.12 | 21.06 | 5.79 | 1.54 | 6.34 | 3.47 | 2.33 | 0.43 | 8.15 | 28.05 |
| | L40JC005 | 5.01 | 1.63 | 3.80 | 2.08 | 1.31 | 0.24 | 6.62 | 20.69 | 6.26 | 1.66 | 5.07 | 2.78 | 2.50 | 0.46 | 8.82 | 27.55 |
| | L40JC006 | 6.09 | 1.95 | 3.80 | 2.08 | 0.97 | 0.18 | 8.01 | 23.08 | 7.61 | 1.99 | 5.07 | 2.78 | 1.86 | 0.34 | 10.67 | 30.32 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *L40* | *cont.* | | | | | | | | | | | | | | | | |
| | L40JD006 | 18.08 | 6.33 | 12.36 | 4.83 | 5.95 | 1.10 | 20.84 | 69.49 | 21.70 | 6.43 | 16.47 | 6.44 | 11.36 | 2.10 | 26.81 | 91.31 |
| | L40JD009 | 7.04 | 2.28 | 4.66 | 2.55 | 1.63 | 0.30 | 8.66 | 27.12 | 8.81 | 2.33 | 6.21 | 3.40 | 3.11 | 0.57 | 11.61 | 36.04 |
| | L40JD010 | 7.49 | 2.42 | 5.23 | 2.86 | 1.63 | 0.30 | 9.20 | 29.13 | 9.36 | 2.47 | 6.97 | 3.82 | 3.11 | 0.57 | 12.33 | 38.63 |
| | L40JD011 | 9.00 | 2.90 | 6.18 | 3.38 | 1.63 | 0.30 | 11.04 | 34.43 | 11.25 | 2.95 | 8.24 | 4.51 | 3.11 | 0.57 | 14.80 | 45.43 |
| | L40JD012 | 14.05 | 4.55 | 8.55 | 4.68 | 3.05 | 0.56 | 17.27 | 52.71 | 17.57 | 4.63 | 11.40 | 6.24 | 5.81 | 1.07 | 23.15 | 69.87 |
| | L40JD013 | 2.03 | 0.49 | 2.64 | 1.45 | 0.27 | 0.05 | 2.67 | 9.60 | | | | | | | | |
| | L40JD014 | 2.32 | 0.56 | 3.16 | 1.73 | 0.27 | 0.05 | 3.05 | 11.14 | | | | | | | | |
| | L40JD015 | 2.70 | 0.69 | 3.58 | 1.96 | 0.90 | 0.17 | 3.60 | 13.60 | | | | | | | | |
| | L40JD016 | 3.23 | 0.81 | 3.99 | 2.18 | 0.90 | 0.17 | 4.29 | 15.57 | | | | | | | | |
| | L40JD017 | 8.17 | 2.64 | 5.23 | 2.86 | 1.63 | 0.30 | 10.77 | 31.60 | 10.22 | 2.69 | 6.97 | 3.82 | 3.11 | 0.57 | 14.35 | 41.73 |
| | L40JD018 | 9.40 | 3.02 | 6.18 | 3.38 | 1.63 | 0.30 | 12.37 | 36.28 | 11.76 | 3.08 | 8.24 | 4.51 | 3.11 | 0.57 | 16.49 | 47.76 |
| | L40JD019 | 11.68 | 3.73 | 7.60 | 4.16 | 1.63 | 0.30 | 15.35 | 44.45 | 14.60 | 3.81 | 10.14 | 5.55 | 3.11 | 0.57 | 20.45 | 58.23 |
| | L40KM001 | 8.29 | 2.67 | 4.99 | 2.73 | 1.63 | 0.30 | 10.18 | 30.79 | 10.36 | 2.73 | 6.65 | 3.64 | 3.11 | 0.57 | 13.65 | 40.71 |
| | L40KM002 | 9.62 | 3.09 | 5.61 | 3.07 | 1.63 | 0.30 | 11.80 | 35.12 | 12.02 | 3.15 | 7.48 | 4.10 | 3.11 | 0.57 | 15.82 | 46.25 |
| | L40KM003 | 11.66 | 3.73 | 6.42 | 3.52 | 1.63 | 0.30 | 14.29 | 41.55 | 14.58 | 3.80 | 8.55 | 4.68 | 3.11 | 0.57 | 19.15 | 54.44 |
| | L40KM004 | 13.58 | 4.40 | 8.22 | 4.50 | 3.05 | 0.56 | 16.69 | 51.00 | 16.97 | 4.48 | 10.96 | 6.00 | 5.81 | 1.07 | 22.37 | 67.66 |
| | L40KM005 | 17.38 | 5.67 | 9.74 | 5.33 | 4.68 | 0.86 | 21.41 | 65.07 | 21.73 | 5.78 | 12.99 | 7.11 | 8.94 | 1.65 | 28.69 | 86.89 |
| | L40KM006 | 19.36 | 6.29 | 10.93 | 5.99 | 4.68 | 0.86 | 23.82 | 71.93 | 24.21 | 6.41 | 14.57 | 7.98 | 8.94 | 1.65 | 31.93 | 95.69 |
| | L40KM007 | 20.29 | 7.13 | 12.88 | 5.04 | 4.76 | 0.88 | 23.40 | 74.38 | 24.34 | 7.24 | 17.17 | 6.72 | 9.09 | 1.68 | 30.11 | 96.35 |
| | L40KM008 | 28.07 | 9.82 | 15.92 | 6.23 | 5.86 | 1.08 | 32.35 | 99.33 | 33.69 | 9.97 | 21.23 | 8.30 | 11.19 | 2.06 | 41.62 | 128.06 |
| | L40KM009 | 36.56 | 13.00 | 23.28 | 9.11 | 6.68 | 1.23 | 42.28 | 132.14 | 43.87 | 13.20 | 31.05 | 12.14 | 12.76 | 2.35 | 54.39 | 169.76 |
| | L40KM010 | 72.34 | 25.20 | 32.50 | 12.71 | 8.50 | 1.57 | 83.28 | 236.10 | 86.80 | 25.59 | 43.34 | 16.95 | 16.22 | 2.99 | 107.16 | 299.05 |
| | L40KM011 | 92.88 | 32.53 | 40.53 | 15.85 | 12.37 | 2.28 | 107.05 | 303.49 | 111.46 | 33.03 | 54.05 | 21.14 | 23.61 | 4.36 | 137.74 | 385.39 |
| | L40KM012 | 9.90 | 3.18 | 5.61 | 3.07 | 1.63 | 0.30 | 13.02 | 36.71 | 12.37 | 3.24 | 7.48 | 4.10 | 3.11 | 0.57 | 17.35 | 48.22 |
| | L40KM013 | 11.39 | 3.72 | 6.42 | 3.52 | 3.17 | 0.58 | 15.05 | 43.85 | 14.24 | 3.79 | 8.55 | 4.68 | 6.05 | 1.12 | 20.06 | 58.49 |
| | L40ME012 | 1.97 | 0.47 | 2.26 | 1.24 | 0.15 | 0.03 | 2.59 | 8.71 | | | | | | | | |
| | L40ME015 | 0.89 | 0.21 | 2.19 | 0.91 | 0.10 | 0.02 | 1.17 | 5.49 | | | | | | | | |
| | L40ME016 | 1.14 | 0.27 | 0.81 | 0.44 | 0.10 | 0.02 | 1.50 | 4.28 | | | | | | | | |
| | L40ME017 | 1.46 | 0.35 | 1.17 | 0.64 | 0.20 | 0.04 | 1.93 | 5.79 | | | | | | | | |
| | L40ME018 | 1.80 | 0.43 | 1.97 | 1.08 | 0.15 | 0.03 | 2.36 | 7.82 | | | | | | | | |
| | L40ME019 | 2.67 | 0.65 | 3.81 | 2.09 | 0.36 | 0.07 | 3.52 | 13.17 | | | | | | | | |
| **L50** | | | | | | | | | | | | | | | | | |
| | L50CA001 | 5.42 | 1.74 | 3.00 | 1.25 | 0.44 | 0.08 | 7.60 | 19.53 | 10.85 | 1.88 | 4.15 | 1.73 | 0.61 | 0.11 | 16.15 | 35.48 |
| | L50CA002 | 6.08 | 1.95 | 3.18 | 1.33 | 0.44 | 0.08 | 8.52 | 21.58 | 12.16 | 2.10 | 4.41 | 1.84 | 0.61 | 0.11 | 18.11 | 39.34 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *L50* | *cont.* | | | | | | | | | | | | | | | | |
| | L50CA003 | 6.53 | 2.09 | 3.48 | 1.45 | 0.48 | 0.09 | 9.16 | 23.28 | 13.07 | 2.26 | 4.82 | 2.01 | 0.68 | 0.13 | 19.45 | 42.42 |
| | L50CA004 | 8.82 | 2.84 | 4.12 | 1.72 | 0.76 | 0.14 | 12.38 | 30.78 | 17.65 | 3.07 | 5.70 | 2.38 | 1.05 | 0.19 | 26.30 | 56.34 |
| | L50CS004 | 5.24 | 1.68 | 2.66 | 1.11 | 0.42 | 0.08 | 7.34 | 18.53 | 10.47 | 1.82 | 3.68 | 1.54 | 0.58 | 0.11 | 15.60 | 33.80 |
| | L50CS005 | 5.48 | 1.76 | 3.22 | 1.34 | 0.48 | 0.09 | 7.69 | 20.06 | 10.96 | 1.90 | 4.46 | 1.86 | 0.67 | 0.12 | 16.34 | 36.31 |
| | L50CS006 | 6.51 | 2.12 | 3.22 | 1.34 | 0.83 | 0.15 | 9.16 | 23.33 | 13.01 | 2.29 | 4.46 | 1.86 | 1.14 | 0.21 | 19.47 | 42.44 |
| | L50JC001 | 3.93 | 1.30 | 2.25 | 0.94 | 0.76 | 0.14 | 5.55 | 14.87 | 7.85 | 1.40 | 3.11 | 1.30 | 1.08 | 0.20 | 11.79 | 26.73 |
| | L50JC002 | 4.88 | 1.60 | 3.22 | 1.34 | 0.66 | 0.12 | 6.87 | 18.69 | 9.75 | 1.73 | 4.46 | 1.86 | 0.90 | 0.17 | 14.60 | 33.47 |
| | L50JC003 | 5.56 | 1.81 | 3.44 | 1.44 | 0.73 | 0.13 | 7.82 | 20.93 | 11.12 | 1.95 | 4.77 | 1.99 | 1.05 | 0.19 | 16.62 | 37.69 |
| | L50JC004 | 5.59 | 1.82 | 3.44 | 1.44 | 0.66 | 0.12 | 7.86 | 20.93 | 11.17 | 1.97 | 4.77 | 1.99 | 0.90 | 0.17 | 16.71 | 37.68 |
| | L50JC005 | 6.15 | 1.99 | 3.44 | 1.44 | 0.73 | 0.13 | 8.64 | 22.52 | 12.29 | 2.15 | 4.77 | 1.99 | 1.05 | 0.19 | 18.35 | 40.79 |
| | L50JC006 | 7.42 | 2.39 | 3.44 | 1.44 | 0.66 | 0.12 | 10.41 | 25.88 | 14.83 | 2.59 | 4.77 | 1.99 | 0.90 | 0.17 | 22.12 | 47.37 |
| | L50JC007 | 8.01 | 2.57 | 3.44 | 1.44 | 0.71 | 0.13 | 11.23 | 27.53 | 16.02 | 2.78 | 4.77 | 1.99 | 1.01 | 0.19 | 23.86 | 50.62 |
| | L50JD001 | 4.49 | 1.45 | 2.66 | 1.11 | 0.44 | 0.08 | 6.30 | 16.53 | 8.98 | 1.56 | 3.68 | 1.54 | 0.61 | 0.11 | 13.39 | 29.87 |
| | L50JD002 | 5.54 | 1.79 | 3.37 | 1.41 | 0.61 | 0.11 | 7.78 | 20.61 | 11.08 | 1.94 | 4.67 | 1.95 | 0.86 | 0.16 | 16.54 | 37.20 |
| | L50JD005 | 9.36 | 3.02 | 4.31 | 1.80 | 0.94 | 0.17 | 13.14 | 32.74 | 18.72 | 3.26 | 5.96 | 2.49 | 1.33 | 0.25 | 27.91 | 59.92 |
| **L55** | | | | | | | | | | | | | | | | | |
| | L55KN001 | 0.89 | 0.16 | 0.00 | 0.52 | 0.00 | 0.00 | 1.44 | 3.01 | | | | | | | | |
| | L55KN002 | 1.81 | 0.33 | 0.00 | 1.06 | 0.00 | 0.00 | 2.94 | 6.14 | | | | | | | | |
| | L55KN003 | 3.69 | 0.67 | 0.00 | 2.01 | 0.00 | 0.00 | 6.00 | 12.37 | | | | | | | | |
| **L60** | | | | | | | | | | | | | | | | | |
| | L60CA010 | 26.70 | 5.66 | 7.13 | 2.60 | 0.00 | 0.00 | 33.33 | 75.42 | 30.52 | 5.76 | 9.50 | 3.47 | 0.00 | 0.00 | 40.46 | 89.71 |
| | L60CA011 | 29.45 | 6.25 | 7.13 | 2.60 | 0.00 | 0.00 | 36.76 | 82.19 | 33.65 | 6.35 | 9.50 | 3.47 | 0.00 | 0.00 | 44.62 | 97.59 |
| | L60CA012 | 14.54 | 3.20 | 6.65 | 2.43 | 1.41 | 0.26 | 18.25 | 46.74 | 16.61 | 3.26 | 8.87 | 3.24 | 2.86 | 0.53 | 22.16 | 57.53 |
| | L60CA013 | 17.49 | 3.83 | 7.60 | 2.77 | 1.41 | 0.26 | 21.94 | 55.30 | 19.99 | 3.89 | 10.14 | 3.70 | 2.86 | 0.53 | 26.63 | 67.74 |
| | L60CA014 | 23.70 | 5.03 | 5.70 | 2.08 | 0.00 | 0.00 | 29.58 | 66.09 | 27.08 | 5.11 | 7.60 | 2.77 | 0.00 | 0.00 | 35.91 | 78.47 |
| | L60JD001 | 12.09 | 2.69 | 5.75 | 2.10 | 1.85 | 0.34 | 15.21 | 40.03 | 13.82 | 2.74 | 7.67 | 2.80 | 3.88 | 0.72 | 18.46 | 50.09 |
| | L60JD002 | 17.98 | 3.94 | 7.46 | 2.72 | 1.85 | 0.34 | 22.55 | 56.84 | 20.54 | 4.01 | 9.95 | 3.63 | 3.88 | 0.72 | 27.38 | 70.11 |
| | L60JD003 | 12.41 | 2.76 | 5.75 | 2.10 | 1.85 | 0.34 | 15.60 | 40.81 | 14.18 | 2.81 | 7.67 | 2.80 | 3.88 | 0.72 | 18.94 | 51.00 |
| | L60JD004 | 14.77 | 3.38 | 7.46 | 2.72 | 3.67 | 0.68 | 18.66 | 51.34 | 16.88 | 3.44 | 9.95 | 3.63 | 7.69 | 1.42 | 22.65 | 65.66 |
| | L60JD006 | 20.18 | 4.47 | 8.08 | 2.95 | 2.77 | 0.51 | 25.35 | 64.31 | 23.06 | 4.54 | 10.77 | 3.93 | 5.80 | 1.07 | 30.78 | 79.95 |
| | L60JD007 | 21.49 | 4.75 | 9.50 | 3.47 | 2.77 | 0.51 | 27.00 | 69.49 | 24.56 | 4.83 | 12.67 | 4.63 | 5.80 | 1.07 | 32.77 | 86.33 |
| | L60JD008 | 29.72 | 6.30 | 8.08 | 2.95 | 0.00 | 0.00 | 37.10 | 84.15 | 33.96 | 6.41 | 10.77 | 3.93 | 0.00 | 0.00 | 45.03 | 100.10 |
| | L60RN001 | 10.72 | 2.34 | 4.94 | 1.80 | 0.82 | 0.15 | 13.44 | 34.21 | 12.25 | 2.38 | 6.59 | 2.41 | 1.66 | 0.31 | 16.32 | 41.92 |
| | L60RN002 | 12.80 | 2.85 | 6.27 | 2.29 | 1.60 | 0.30 | 16.10 | 42.21 | 14.63 | 2.90 | 8.36 | 3.05 | 3.26 | 0.60 | 19.54 | 52.34 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *L60* | *cont.* | | | | | | | | | | | | | | | | |
| | L60RN003 | 13.15 | 2.93 | 7.56 | 2.76 | 1.60 | 0.30 | 16.53 | 44.83 | 15.03 | 2.98 | 10.07 | 3.68 | 3.26 | 0.60 | 20.07 | 55.69 |
| | L60RN004 | 15.58 | 3.56 | 10.31 | 3.76 | 2.95 | 0.54 | 19.67 | 56.37 | 17.81 | 3.62 | 13.75 | 5.02 | 5.98 | 1.10 | 23.88 | 71.16 |
| | L60RN005 | 12.83 | 2.79 | 4.94 | 1.80 | 0.82 | 0.15 | 16.08 | 39.41 | 14.67 | 2.84 | 6.59 | 2.41 | 1.66 | 0.31 | 19.52 | 48.00 |
| | L60RN006 | 14.68 | 3.18 | 6.27 | 2.29 | 0.72 | 0.13 | 18.38 | 45.65 | 16.78 | 3.23 | 8.36 | 3.05 | 1.46 | 0.27 | 22.32 | 55.47 |
| | L60RN007 | 16.14 | 3.48 | 7.56 | 2.76 | 0.72 | 0.13 | 20.20 | 50.99 | 18.44 | 3.54 | 10.07 | 3.68 | 1.46 | 0.27 | 24.52 | 61.98 |
| | L60RN008 | 16.23 | 3.69 | 10.31 | 3.76 | 2.95 | 0.54 | 20.48 | 57.96 | 18.55 | 3.76 | 13.75 | 5.02 | 5.98 | 1.10 | 24.86 | 73.02 |
| **M10** | | | | | | | | | | | | | | | | | |
| | M10MZ001 | 0.80 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 1.50 | | | | | | | | |
| | M10MZ002 | 0.87 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.63 | 1.63 | | | | | | | | |
| | M10MZ003 | 1.32 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 2.47 | | | | | | | | |
| | M10MZ004 | 0.42 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 1.06 | | | | | | | | |
| | M10MZ005 | 0.68 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 1.72 | | | | | | | | |
| | M10MZ006 | 0.77 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 1.93 | | | | | | | | |
| | M10MZ007 | 0.87 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | 2.20 | | | | | | | | |
| | M10MZ008 | 1.08 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 2.73 | | | | | | | | |
| | M10MZ009 | 1.29 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 1.12 | 3.26 | | | | | | | | |
| | M10MZ010 | 1.82 | 0.72 | 6.65 | 3.29 | 0.00 | 0.00 | 1.95 | 14.43 | 2.24 | 0.73 | 8.87 | 4.39 | 0.00 | 0.00 | 2.57 | 18.80 |
| | M10MZ011 | 2.41 | 0.96 | 9.98 | 4.94 | 0.00 | 0.00 | 2.58 | 20.87 | 2.97 | 0.97 | 13.31 | 6.59 | 0.00 | 0.00 | 3.40 | 27.24 |
| | M10SM001 | 2.26 | 0.90 | 18.53 | 7.73 | 0.00 | 0.00 | 2.42 | 31.84 | 2.79 | 0.92 | 24.23 | 10.11 | 0.00 | 0.00 | 3.20 | 41.25 |
| | M10SM002 | 2.41 | 0.96 | 24.70 | 10.31 | 0.00 | 0.00 | 2.58 | 40.96 | 2.97 | 0.97 | 32.30 | 13.48 | 0.00 | 0.00 | 3.40 | 53.12 |
| | M10SM003 | 2.53 | 1.01 | 24.70 | 10.31 | 0.00 | 0.00 | 2.71 | 41.26 | 3.12 | 1.02 | 32.30 | 13.48 | 0.00 | 0.00 | 3.58 | 53.50 |
| | M10SM004 | 2.77 | 1.10 | 30.88 | 12.88 | 0.00 | 0.00 | 2.97 | 50.60 | 3.41 | 1.12 | 40.38 | 16.85 | 0.00 | 0.00 | 3.91 | 65.67 |
| | M10SM005 | 1.03 | 0.41 | 14.20 | 5.92 | 0.00 | 0.00 | 1.10 | 22.66 | 1.26 | 0.41 | 18.57 | 7.75 | 0.00 | 0.00 | 1.45 | 29.44 |
| | M10SM006 | 1.14 | 0.45 | 14.20 | 5.92 | 0.00 | 0.00 | 1.22 | 22.93 | 1.40 | 0.46 | 18.57 | 7.75 | 0.00 | 0.00 | 1.60 | 29.78 |
| | M10SM007 | 1.74 | 0.69 | 18.53 | 7.73 | 0.00 | 0.00 | 1.87 | 30.56 | 2.14 | 0.70 | 24.23 | 10.11 | 0.00 | 0.00 | 2.46 | 39.64 |
| | M10SM008 | 1.90 | 0.76 | 24.70 | 10.31 | 0.00 | 0.00 | 2.04 | 39.71 | 2.34 | 0.77 | 32.30 | 13.48 | 0.00 | 0.00 | 2.69 | 51.58 |
| | M10SM009 | 2.03 | 0.81 | 24.70 | 10.31 | 0.00 | 0.00 | 2.17 | 40.02 | 2.50 | 0.82 | 32.30 | 13.48 | 0.00 | 0.00 | 2.87 | 51.97 |
| | M10SM010 | 2.19 | 0.87 | 24.70 | 10.31 | 0.00 | 0.00 | 2.34 | 40.41 | 2.70 | 0.89 | 32.30 | 13.48 | 0.00 | 0.00 | 3.09 | 52.46 |
| | M10SM011 | 3.17 | 1.26 | 25.32 | 10.56 | 0.00 | 0.00 | 3.39 | 43.70 | 3.90 | 1.28 | 33.11 | 13.81 | 0.00 | 0.00 | 4.47 | 56.57 |
| | M10SM012 | 3.52 | 1.40 | 30.88 | 12.88 | 0.00 | 0.00 | 3.76 | 52.44 | 4.33 | 1.42 | 40.38 | 16.85 | 0.00 | 0.00 | 4.96 | 67.94 |
| | M10SM013 | 3.26 | 1.30 | 30.88 | 12.88 | 0.00 | 0.00 | 3.49 | 51.81 | 4.01 | 1.32 | 40.38 | 16.85 | 0.00 | 0.00 | 4.60 | 67.16 |
| | M10SM016 | 2.87 | 1.14 | 25.32 | 10.56 | 0.00 | 0.00 | 3.07 | 42.96 | 3.53 | 1.16 | 33.11 | 13.81 | 0.00 | 0.00 | 4.05 | 55.66 |
| **P10** | | | | | | | | | | | | | | | | | |
| | P10IC001 | 10.77 | 2.59 | 8.32 | 3.47 | 0.00 | 0.00 | 17.22 | 42.37 | | | | | | | | |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *P10* | *cont.* | | | | | | | | | | | | | | | | |
| | P10IC002 | 16.95 | 4.07 | 14.26 | 5.95 | 0.00 | 0.00 | 27.12 | 68.35 | | | | | | | | |
| | P10IC003 | 21.25 | 5.10 | 14.26 | 5.95 | 0.00 | 0.00 | 34.01 | 80.57 | | | | | | | | |
| | P10IC004 | 27.15 | 6.52 | 23.90 | 9.97 | 0.00 | 0.00 | 43.45 | 110.99 | | | | | | | | |
| | P10IC005 | 43.32 | 10.40 | 38.02 | 15.86 | 0.00 | 0.00 | 69.31 | 176.91 | | | | | | | | |
| | P10IC010 | 2.39 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 3.82 | 6.78 | | | | | | | | |
| | P10IC011 | 4.49 | 1.08 | 0.62 | 0.26 | 0.00 | 0.00 | 7.19 | 13.64 | | | | | | | | |
| | P10IC012 | 2.94 | 0.71 | 0.00 | 0.00 | 0.00 | 0.00 | 4.71 | 8.36 | | | | | | | | |
| | P10IC013 | 4.97 | 1.19 | 1.61 | 0.67 | 0.00 | 0.00 | 7.94 | 16.38 | | | | | | | | |
| P20 | | | | | | | | | | | | | | | | | |
| | P20IC001 | 5.16 | 1.02 | 0.00 | 1.25 | 0.00 | 0.00 | 9.84 | 17.27 | | | | | | | | |
| | P20IC002 | 11.88 | 2.35 | 0.00 | 1.90 | 0.00 | 0.00 | 22.65 | 38.78 | | | | | | | | |
| | P20IC003 | 11.48 | 2.27 | 0.00 | 2.50 | 0.00 | 0.00 | 21.90 | 38.15 | | | | | | | | |
| | P20IC004 | 12.22 | 2.42 | 0.00 | 3.15 | 0.00 | 0.00 | 23.29 | 41.08 | | | | | | | | |
| | P20MK001 | 6.45 | 1.28 | 0.00 | 1.25 | 0.00 | 0.00 | 12.29 | 21.27 | | | | | | | | |
| | P20MK002 | 2.46 | 0.49 | 0.00 | 0.50 | 0.00 | 0.00 | 4.69 | 8.14 | | | | | | | | |
| | P20MK003 | 3.01 | 0.60 | 0.00 | 1.00 | 0.00 | 0.00 | 5.73 | 10.34 | | | | | | | | |
| | P20MK004 | 3.77 | 0.75 | 0.00 | 1.25 | 0.00 | 0.00 | 7.18 | 12.95 | | | | | | | | |
| | P20MK005 | 6.12 | 1.21 | 0.00 | 1.25 | 0.00 | 0.00 | 11.68 | 20.26 | | | | | | | | |
| | P20MK006 | 6.74 | 1.33 | 0.00 | 2.50 | 0.00 | 0.00 | 12.85 | 23.42 | | | | | | | | |
| | P20MK007 | 7.58 | 1.50 | 0.00 | 2.50 | 0.00 | 0.00 | 14.44 | 26.02 | | | | | | | | |
| P25 | | | | | | | | | | | | | | | | | |
| | P25DL001 | 5.99 | 1.08 | 0.00 | 0.95 | 0.00 | 0.00 | 9.74 | 17.76 | | | | | | | | |
| | P25DL002 | 6.29 | 1.14 | 0.00 | 1.25 | 0.00 | 0.00 | 10.23 | 18.91 | | | | | | | | |
| | P25DL003 | 6.91 | 1.25 | 0.00 | 1.20 | 0.00 | 0.00 | 11.23 | 20.59 | | | | | | | | |
| | P25DL004 | 9.38 | 1.69 | 0.00 | 1.80 | 0.00 | 0.00 | 15.24 | 28.11 | | | | | | | | |
| | P25DL005 | 13.92 | 2.51 | 0.00 | 2.65 | 0.00 | 0.00 | 22.62 | 41.70 | | | | | | | | |
| | P25DL006 | 14.73 | 2.66 | 0.00 | 3.30 | 0.00 | 0.00 | 23.94 | 44.63 | | | | | | | | |
| | P25DL007 | 18.44 | 3.33 | 0.00 | 3.80 | 0.00 | 0.00 | 29.97 | 55.54 | | | | | | | | |
| | P25DL008 | 19.94 | 3.60 | 0.00 | 5.30 | 0.00 | 0.00 | 32.40 | 61.24 | | | | | | | | |
| | P25DL009 | 37.91 | 6.85 | 0.00 | 6.60 | 0.00 | 0.00 | 61.61 | 112.97 | | | | | | | | |
| | P25DL010 | 54.36 | 9.82 | 0.00 | 8.25 | 0.00 | 0.00 | 88.34 | 160.77 | | | | | | | | |
| | P25DL011 | 58.30 | 10.53 | 0.00 | 9.90 | 0.00 | 0.00 | 94.74 | 173.47 | | | | | | | | |
| | P25IC001 | 8.53 | 1.54 | 0.00 | 2.20 | 0.00 | 0.00 | 13.86 | 26.13 | | | | | | | | |
| | P25IC002 | 10.34 | 1.87 | 0.00 | 3.45 | 0.00 | 0.00 | 16.80 | 32.46 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***P25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | P25IC003 | 16.45 | 2.97 | 0.00 | 4.40 | 0.00 | 0.00 | 26.73 | 50.55 | | | | | | | | |
| | P25IC004 | 19.21 | 3.47 | 0.00 | 5.30 | 0.00 | 0.00 | 31.22 | 59.20 | | | | | | | | |
| | P25IC005 | 24.97 | 4.51 | 0.00 | 6.25 | 0.00 | 0.00 | 40.58 | 76.31 | | | | | | | | |
| | P25IC006 | 29.83 | 5.39 | 0.00 | 7.20 | 0.00 | 0.00 | 48.47 | 90.89 | | | | | | | | |
| | P25MK001 | 8.35 | 1.51 | 0.00 | 2.50 | 0.00 | 0.00 | 13.57 | 25.93 | | | | | | | | |
| | P25MK002 | 9.10 | 1.64 | 0.00 | 2.50 | 0.00 | 0.00 | 14.79 | 28.03 | | | | | | | | |
| | P25MK003 | 12.95 | 2.34 | 0.00 | 4.15 | 0.00 | 0.00 | 21.05 | 40.49 | | | | | | | | |
| | P25VU002 | 8.91 | 1.61 | 0.00 | 2.50 | 0.00 | 0.00 | 14.48 | 27.50 | | | | | | | | |
| | P25VU003 | 8.85 | 1.60 | 0.00 | 2.50 | 0.00 | 0.00 | 14.38 | 27.33 | | | | | | | | |
| | P25VU004 | 9.06 | 1.64 | 0.00 | 2.50 | 0.00 | 0.00 | 14.72 | 27.92 | | | | | | | | |
| | P25VU005 | 12.20 | 2.20 | 0.00 | 2.50 | 0.00 | 0.00 | 19.82 | 36.72 | | | | | | | | |
| | P25VU010 | 12.55 | 2.27 | 0.00 | 0.95 | 0.00 | 0.00 | 20.40 | 36.17 | | | | | | | | |
| | P25VU011 | 12.72 | 2.30 | 0.00 | 1.17 | 0.00 | 0.00 | 20.67 | 36.86 | | | | | | | | |
| **P30** | | | | | | | | | | | | | | | | | |
| | P30MK001 | 12.50 | 2.26 | 8.32 | 3.47 | 0.00 | 0.00 | 20.32 | 46.87 | | | | | | | | |
| | P30MK002 | 20.86 | 3.77 | 15.44 | 6.44 | 0.00 | 0.00 | 33.89 | 80.40 | | | | | | | | |
| | P30MK003 | 21.40 | 3.87 | 15.44 | 6.44 | 0.00 | 0.00 | 34.77 | 81.92 | | | | | | | | |
| | P30MK004 | 33.82 | 6.11 | 28.51 | 11.89 | 0.00 | 0.00 | 54.95 | 135.28 | | | | | | | | |
| | P30VU001 | 7.30 | 1.32 | 2.76 | 1.15 | 0.00 | 0.00 | 11.87 | 24.40 | | | | | | | | |
| | P30VU002 | 15.74 | 2.84 | 7.37 | 3.07 | 0.00 | 0.00 | 25.57 | 54.59 | | | | | | | | |
| | P30VU003 | 23.43 | 4.23 | 17.11 | 7.14 | 0.00 | 0.00 | 38.08 | 89.99 | | | | | | | | |
| | P30VU004 | 33.38 | 6.03 | 26.61 | 11.10 | 0.00 | 0.00 | 54.24 | 131.36 | | | | | | | | |
| **P35** | | | | | | | | | | | | | | | | | |
| | P35CA006 | 26.81 | 12.81 | 10.89 | 5.68 | 0.00 | 0.00 | 46.51 | 102.70 | 37.53 | 13.07 | 14.52 | 7.57 | 0.00 | 0.00 | 71.35 | 144.04 |
| | P35CA007 | 8.65 | 4.14 | 2.85 | 1.49 | 0.00 | 0.00 | 15.02 | 32.15 | 12.12 | 4.22 | 3.80 | 1.98 | 0.00 | 0.00 | 23.04 | 45.16 |
| | P35CA008 | 15.92 | 7.61 | 5.96 | 3.11 | 0.00 | 0.00 | 27.63 | 60.23 | 22.29 | 7.77 | 7.95 | 4.15 | 0.00 | 0.00 | 42.39 | 84.55 |
| | P35CA009 | 20.38 | 9.74 | 7.91 | 4.13 | 0.00 | 0.00 | 35.36 | 77.52 | 28.53 | 9.94 | 10.54 | 5.50 | 0.00 | 0.00 | 54.24 | 108.75 |
| **P40** | | | | | | | | | | | | | | | | | |
| | P40GV016 | 12.60 | 2.46 | 2.25 | 0.82 | 0.18 | 0.03 | 14.46 | 32.80 | | | | | | | | |
| | P40GV017 | 19.78 | 3.91 | 4.12 | 1.50 | 1.33 | 0.25 | 22.73 | 53.62 | | | | | | | | |
| | P40GV018 | 23.67 | 4.70 | 4.12 | 1.50 | 2.12 | 0.39 | 27.21 | 63.71 | | | | | | | | |
| | P40GV019 | 29.35 | 5.80 | 4.12 | 1.50 | 2.12 | 0.39 | 33.72 | 77.00 | | | | | | | | |
| | P40GV020 | 5.19 | 1.12 | 0.77 | 0.45 | 1.91 | 0.35 | 6.01 | 15.80 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *P40* | *cont.* | | | | | | | | | | | | | | | | |
| | P40GV021 | 5.60 | 1.19 | 0.84 | 0.50 | 1.91 | 0.35 | 6.48 | 16.87 | | | | | | | | |
| | P40GV022 | 8.98 | 1.75 | 2.25 | 0.82 | 0.13 | 0.02 | 10.31 | 24.26 | | | | | | | | |
| | P40GV023 | 12.91 | 2.55 | 2.25 | 0.82 | 0.55 | 0.10 | 14.83 | 34.01 | | | | | | | | |
| | P40GV024 | 17.14 | 3.33 | 3.18 | 1.16 | 0.13 | 0.02 | 19.66 | 44.62 | | | | | | | | |
| | P40GV025 | 17.99 | 3.50 | 3.18 | 1.16 | 0.13 | 0.02 | 20.64 | 46.62 | | | | | | | | |
| | P40GV026 | 24.47 | 4.80 | 4.12 | 1.50 | 0.55 | 0.10 | 28.09 | 63.63 | | | | | | | | |
| | P40TE001 | 3.49 | 0.69 | 2.28 | 0.95 | 0.18 | 0.03 | 4.01 | 11.63 | | | | | | | | |
| | P40TE002 | 4.45 | 0.88 | 3.71 | 1.55 | 0.18 | 0.03 | 5.11 | 15.91 | | | | | | | | |
| | P40TE003 | 7.73 | 1.53 | 1.20 | 0.44 | 0.37 | 0.07 | 8.88 | 20.22 | | | | | | | | |
| | P40TE004 | 9.09 | 1.83 | 1.65 | 0.60 | 0.71 | 0.13 | 10.46 | 24.47 | | | | | | | | |
| | P40TE005 | 5.94 | 1.19 | 2.47 | 0.90 | 0.37 | 0.07 | 6.83 | 17.77 | | | | | | | | |
| | P40TE006 | 9.42 | 1.89 | 2.47 | 0.90 | 0.65 | 0.12 | 10.84 | 26.29 | | | | | | | | |
| | P40TE007 | 15.35 | 3.04 | 2.47 | 0.90 | 0.65 | 0.12 | 17.63 | 40.16 | | | | | | | | |
| | P40TE008 | 17.60 | 3.47 | 2.85 | 1.04 | 0.65 | 0.12 | 20.21 | 45.94 | | | | | | | | |
| | P40TE009 | 19.20 | 3.78 | 2.85 | 1.04 | 0.65 | 0.12 | 22.05 | 49.69 | | | | | | | | |
| | P40TE010 | 6.70 | 1.32 | 7.86 | 2.87 | 0.22 | 0.04 | 7.70 | 26.71 | | | | | | | | |
| | P40TE011 | 7.31 | 1.46 | 7.86 | 2.87 | 0.39 | 0.07 | 8.40 | 28.36 | | | | | | | | |
| | P40TE012 | 11.11 | 2.19 | 7.86 | 2.87 | 0.39 | 0.07 | 12.76 | 37.25 | | | | | | | | |
| | P40TE013 | 10.13 | 2.00 | 7.86 | 2.87 | 0.39 | 0.07 | 11.64 | 34.96 | | | | | | | | |
| | P40TE014 | 10.35 | 2.05 | 7.86 | 2.87 | 0.39 | 0.07 | 11.89 | 35.48 | | | | | | | | |
| | P40TE015 | 11.74 | 2.32 | 7.86 | 2.87 | 0.39 | 0.07 | 13.49 | 38.74 | | | | | | | | |
| **P45** | | | | | | | | | | | | | | | | | |
| | P45AF002 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.23 | | | | | | | | |
| | P45AF003 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.36 | | | | | | | | |
| | P45AF005 | 1.16 | 0.25 | 1.99 | 0.83 | 0.04 | 0.01 | 1.78 | 6.06 | | | | | | | | |
| | P45AF006 | 1.32 | 0.29 | 1.99 | 0.83 | 0.04 | 0.01 | 2.03 | 6.51 | | | | | | | | |
| | P45AF007 | 2.49 | 0.53 | 2.12 | 0.77 | 0.04 | 0.01 | 3.81 | 9.77 | | | | | | | | |
| | P45AF008 | 0.70 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 1.07 | 1.92 | | | | | | | | |
| | P45AF009 | 2.26 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 3.45 | 6.19 | | | | | | | | |
| | P45AF010 | 2.39 | 0.51 | 3.25 | 1.36 | 0.04 | 0.01 | 3.67 | 11.23 | | | | | | | | |
| | P45AF011 | 4.73 | 1.01 | 6.32 | 2.64 | 0.04 | 0.01 | 7.25 | 22.00 | | | | | | | | |
| | P45AL015 | 4.18 | 0.89 | 4.15 | 1.73 | 0.04 | 0.01 | 6.39 | 17.39 | | | | | | | | |
| | P45CG001 | 0.32 | 0.07 | 0.00 | 0.05 | 0.00 | 0.00 | 0.48 | 0.92 | | | | | | | | |
| | P45CG002 | 0.57 | 0.12 | 0.00 | 0.10 | 0.00 | 0.00 | 0.87 | 1.66 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***P45*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | P45CG003 | 1.55 | 0.33 | 0.00 | 0.15 | 0.00 | 0.00 | 2.37 | 4.40 | | | | | | | | |
| | P45CG006 | 1.73 | 0.37 | 2.89 | 1.21 | 0.03 | 0.01 | 2.65 | 8.89 | | | | | | | | |
| | P45CG007 | 1.66 | 0.35 | 2.89 | 1.21 | 0.00 | 0.00 | 2.53 | 8.64 | | | | | | | | |
| **P50** | | | | | | | | | | | | | | | | | |
| | P50GR001 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.23 | | | | | | | | |
| | P50GR002 | 0.10 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.22 | 0.33 | | | | | | | | |
| | P50GR003 | 0.14 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.44 | | | | | | | | |
| | P50GR004 | 0.30 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 0.99 | | | | | | | | |
| | P50HO001 | 0.11 | 0.03 | 0.86 | 0.36 | 0.00 | 0.00 | 0.16 | 1.52 | | | | | | | | |
| | P50HO003 | 0.15 | 0.04 | 1.37 | 0.57 | 0.00 | 0.00 | 0.22 | 2.35 | | | | | | | | |
| | P50HO005 | 0.32 | 0.07 | 2.74 | 1.14 | 0.00 | 0.00 | 0.47 | 4.74 | | | | | | | | |
| | P50WC001 | 0.14 | 0.03 | 1.71 | 0.71 | 0.00 | 0.00 | 0.21 | 2.80 | | | | | | | | |
| | P50WC002 | 0.17 | 0.04 | 0.99 | 0.49 | 0.00 | 0.00 | 0.25 | 1.94 | | | | | | | | |
| | P50WC003 | 0.36 | 0.08 | 1.06 | 0.53 | 0.00 | 0.00 | 0.53 | 2.56 | | | | | | | | |
| | P50WC004 | 1.64 | 0.38 | 2.19 | 1.09 | 0.00 | 0.00 | 2.40 | 7.70 | | | | | | | | |
| | P50WC005 | 0.38 | 0.09 | 0.79 | 0.39 | 0.00 | 0.00 | 0.56 | 2.21 | | | | | | | | |
| **P55** | | | | | | | | | | | | | | | | | |
| | P55GF001 | 1.64 | 0.38 | 1.46 | 0.72 | 0.00 | 0.00 | 2.66 | 6.86 | | | | | | | | |
| | P55GF002 | 2.07 | 0.48 | 1.46 | 0.72 | 0.00 | 0.00 | 3.37 | 8.10 | | | | | | | | |
| | P55GR001 | 0.29 | 0.06 | 0.25 | 0.15 | 0.00 | 0.00 | 0.26 | 1.01 | | | | | | | | |
| | P55GR002 | 0.37 | 0.08 | 0.63 | 0.37 | 0.00 | 0.00 | 0.34 | 1.79 | | | | | | | | |
| | P55GR003 | 1.41 | 0.30 | 3.15 | 1.85 | 0.00 | 0.00 | 1.30 | 8.01 | | | | | | | | |
| | P55GR004 | 1.74 | 0.37 | 7.56 | 4.44 | 0.00 | 0.00 | 1.59 | 15.70 | | | | | | | | |
| | P55WC001 | 0.05 | 0.01 | 0.13 | 0.08 | 0.00 | 0.00 | 0.05 | 0.32 | | | | | | | | |
| | P55WC002 | 0.09 | 0.02 | 0.13 | 0.08 | 0.00 | 0.00 | 0.08 | 0.40 | | | | | | | | |
| **P60** | | | | | | | | | | | | | | | | | |
| | P60GF003 | 1.70 | 0.40 | 2.12 | 1.05 | 0.03 | 0.01 | 2.49 | 7.80 | | | | | | | | |
| | P60GF004 | 2.19 | 0.51 | 4.04 | 2.00 | 0.03 | 0.01 | 3.20 | 11.98 | | | | | | | | |
| | P60GF005 | 2.66 | 0.62 | 5.50 | 2.72 | 0.03 | 0.01 | 3.90 | 15.44 | | | | | | | | |
| | P60GF006 | 3.06 | 0.72 | 7.29 | 3.61 | 0.06 | 0.01 | 4.49 | 19.24 | | | | | | | | |
| | P60GF008 | 1.73 | 0.41 | 2.12 | 1.05 | 0.03 | 0.01 | 2.53 | 7.88 | | | | | | | | |
| | P60GR001 | 1.99 | 0.47 | 3.11 | 1.54 | 0.04 | 0.01 | 2.92 | 10.08 | | | | | | | | |
| | P60GR002 | 2.13 | 0.50 | 17.27 | 7.21 | 0.04 | 0.01 | 3.12 | 30.28 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***P60*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | P60HO002 | 0.08 | 0.02 | 0.60 | 0.25 | 0.00 | 0.00 | 0.12 | 1.07 | | | | | | | | |
| | P60HO003 | 0.13 | 0.03 | 1.37 | 0.57 | 0.00 | 0.00 | 0.19 | 2.29 | | | | | | | | |
| | P60WC001 | 0.06 | 0.01 | 0.68 | 0.28 | 0.00 | 0.00 | 0.08 | 1.11 | | | | | | | | |
| | P60WC002 | 0.07 | 0.02 | 1.03 | 0.43 | 0.00 | 0.00 | 0.10 | 1.65 | | | | | | | | |
| **P65** | | | | | | | | | | | | | | | | | |
| | P65GR001 | 0.21 | 0.05 | 0.86 | 0.36 | 0.03 | 0.01 | 0.28 | 1.80 | | | | | | | | |
| | P65GR002 | 0.28 | 0.07 | 0.26 | 0.11 | 0.03 | 0.01 | 0.36 | 1.12 | | | | | | | | |
| | P65GR003 | 0.68 | 0.16 | 0.51 | 0.21 | 0.03 | 0.01 | 0.89 | 2.49 | | | | | | | | |
| | P65HO001 | 0.12 | 0.03 | 0.60 | 0.25 | 0.00 | 0.00 | 0.18 | 1.18 | | | | | | | | |
| | P65HO002 | 0.14 | 0.03 | 0.60 | 0.25 | 0.00 | 0.00 | 0.20 | 1.22 | | | | | | | | |
| | P65WC001 | 0.17 | 0.04 | 0.68 | 0.28 | 0.00 | 0.00 | 0.22 | 1.39 | | | | | | | | |
| | P65WC002 | 0.18 | 0.04 | 0.68 | 0.28 | 0.00 | 0.00 | 0.23 | 1.41 | | | | | | | | |
| **P70** | | | | | | | | | | | | | | | | | |
| | P70AD001 | 0.13 | 0.03 | 0.34 | 0.14 | 0.00 | 0.00 | 0.18 | 0.82 | | | | | | | | |
| **R10** | | | | | | | | | | | | | | | | | |
| | R10CA001 | 0.56 | 0.13 | 0.00 | 0.08 | 0.00 | 0.00 | 0.83 | 1.60 | 0.68 | 0.13 | 0.00 | 0.08 | 0.00 | 0.00 | 1.13 | 2.02 |
| | R10CA003 | 0.56 | 0.13 | 0.00 | 0.08 | 0.00 | 0.00 | 0.83 | 1.60 | 0.68 | 0.13 | 0.00 | 0.08 | 0.00 | 0.00 | 1.13 | 2.02 |
| | R10CA005 | 0.56 | 0.13 | 0.00 | 0.08 | 0.00 | 0.00 | 0.83 | 1.60 | 0.68 | 0.13 | 0.00 | 0.08 | 0.00 | 0.00 | 1.13 | 2.02 |
| | R10CA007 | 1.59 | 0.37 | 0.00 | 0.08 | 0.00 | 0.00 | 2.37 | 4.41 | 1.96 | 0.38 | 0.00 | 0.08 | 0.00 | 0.00 | 3.24 | 5.66 |
| | R10CA009 | 2.68 | 0.62 | 0.00 | 0.08 | 0.00 | 0.00 | 3.99 | 7.37 | 3.30 | 0.64 | 0.00 | 0.08 | 0.00 | 0.00 | 5.46 | 9.48 |
| | R10CA011 | 2.95 | 0.69 | 0.00 | 0.10 | 0.00 | 0.00 | 4.39 | 8.13 | 3.63 | 0.70 | 0.00 | 0.10 | 0.00 | 0.00 | 6.01 | 10.44 |
| | R10CA012 | 3.71 | 0.86 | 0.00 | 0.10 | 0.00 | 0.00 | 5.52 | 10.19 | 4.57 | 0.88 | 0.00 | 0.10 | 0.00 | 0.00 | 7.55 | 13.10 |
| | R10CA014 | 3.77 | 0.88 | 0.00 | 0.16 | 0.00 | 0.00 | 5.61 | 10.42 | 4.64 | 0.90 | 0.00 | 0.16 | 0.00 | 0.00 | 7.67 | 13.37 |
| | R10CA015 | 4.55 | 1.06 | 0.00 | 0.16 | 0.00 | 0.00 | 6.77 | 12.54 | 5.61 | 1.08 | 0.00 | 0.16 | 0.00 | 0.00 | 9.26 | 16.11 |
| | R10CA017 | 6.55 | 1.52 | 0.00 | 0.21 | 0.00 | 0.00 | 9.74 | 18.02 | 8.06 | 1.56 | 0.00 | 0.21 | 0.00 | 0.00 | 13.31 | 23.14 |
| | R10CA018 | 8.10 | 1.88 | 0.00 | 0.22 | 0.00 | 0.00 | 12.04 | 22.24 | 9.96 | 1.93 | 0.00 | 0.22 | 0.00 | 0.00 | 16.47 | 28.58 |
| | R10CA020 | 7.01 | 1.63 | 0.00 | 0.23 | 0.00 | 0.00 | 10.43 | 19.30 | 8.63 | 1.67 | 0.00 | 0.23 | 0.00 | 0.00 | 14.26 | 24.79 |
| | R10CA021 | 8.39 | 1.95 | 0.00 | 0.25 | 0.00 | 0.00 | 12.49 | 23.08 | 10.33 | 2.00 | 0.00 | 0.25 | 0.00 | 0.00 | 17.07 | 29.65 |
| **R15** | | | | | | | | | | | | | | | | | |
| | R15SO001 | 8.07 | 2.64 | 0.00 | 0.40 | 1.54 | 0.28 | 9.30 | 22.23 | | | | | | | | |
| | R15SO002 | 8.26 | 2.91 | 0.00 | 0.45 | 2.52 | 0.46 | 9.68 | 24.28 | | | | | | | | |
| | R15SO003 | 12.48 | 4.11 | 0.00 | 0.67 | 2.52 | 0.46 | 14.41 | 34.65 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| R20 | | | | | | | | | | | | | | | | | |
| | R20SO001 | 5.17 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 | 6.62 | 13.26 | | | | | | | | |
| R30 | | | | | | | | | | | | | | | | | |
| | R30BO003 | 11.46 | 2.52 | 5.96 | 1.87 | 0.89 | 0.16 | 12.14 | 35.00 | | | | | | | | |
| | R30BO004 | 7.21 | 1.63 | 4.72 | 1.48 | 1.01 | 0.19 | 7.67 | 23.91 | | | | | | | | |
| | R30BO005 | 5.35 | 1.38 | 2.95 | 0.92 | 0.00 | 0.00 | 6.44 | 17.04 | | | | | | | | |
| | R30BO006 | 6.64 | 1.72 | 4.72 | 1.48 | 0.00 | 0.00 | 7.99 | 22.55 | | | | | | | | |
| | R30BO007 | 6.34 | 1.64 | 4.13 | 1.29 | 0.00 | 0.00 | 7.63 | 21.03 | | | | | | | | |
| | R30BO008 | 33.58 | 11.27 | 21.08 | 6.60 | 0.00 | 0.00 | 42.95 | 115.48 | | | | | | | | |
| | R30BO009 | 30.41 | 10.20 | 19.96 | 6.25 | 0.00 | 0.00 | 38.89 | 105.71 | | | | | | | | |
| | R30CA003 | 19.80 | 6.64 | 12.99 | 4.06 | 0.00 | 0.00 | 25.32 | 68.81 | | | | | | | | |
| | R30CA006 | 29.86 | 10.02 | 18.60 | 5.82 | 0.00 | 0.00 | 38.18 | 102.48 | | | | | | | | |
| | R30CA009 | 40.76 | 13.67 | 27.93 | 8.74 | 0.00 | 0.00 | 52.12 | 143.22 | | | | | | | | |
| | R30CA010 | 6.94 | 1.51 | 4.13 | 1.29 | 0.43 | 0.08 | 7.34 | 21.72 | | | | | | | | |
| | R30CA011 | 8.48 | 1.84 | 6.20 | 1.94 | 0.39 | 0.07 | 8.96 | 27.88 | | | | | | | | |
| | R30CA012 | 20.66 | 6.93 | 12.99 | 4.06 | 0.00 | 0.00 | 26.42 | 71.06 | | | | | | | | |
| | R30CA013 | 32.25 | 10.82 | 18.60 | 5.82 | 0.00 | 0.00 | 41.24 | 108.73 | | | | | | | | |
| | R30CA014 | 13.60 | 2.99 | 6.20 | 1.94 | 1.18 | 0.22 | 14.40 | 40.53 | | | | | | | | |
| | R30RS001 | 0.84 | 0.22 | 1.98 | 0.62 | 0.00 | 0.00 | 1.01 | 4.67 | | | | | | | | |
| | R30RS002 | 1.07 | 0.28 | 3.04 | 0.95 | 0.00 | 0.00 | 1.29 | 6.63 | | | | | | | | |
| | R30RS003 | 6.87 | 1.49 | 4.43 | 1.39 | 0.34 | 0.06 | 7.26 | 21.84 | | | | | | | | |
| | R30SI002 | 9.48 | 2.05 | 5.37 | 1.68 | 0.39 | 0.07 | 10.01 | 29.05 | | | | | | | | |
| | R30SI003 | 11.77 | 2.54 | 5.61 | 1.76 | 0.39 | 0.07 | 12.43 | 34.57 | | | | | | | | |
| | R30SI004 | 15.52 | 3.37 | 6.38 | 2.00 | 0.75 | 0.14 | 16.40 | 44.56 | | | | | | | | |
| | R30SI005 | 9.46 | 2.45 | 4.43 | 1.39 | 0.00 | 0.00 | 11.39 | 29.12 | | | | | | | | |
| R40 | | | | | | | | | | | | | | | | | |
| | R40SO001 | 8.14 | 1.89 | 3.31 | 1.38 | 0.00 | 0.00 | 10.40 | 25.12 | | | | | | | | |
| | R40SO002 | 11.87 | 2.76 | 4.97 | 2.07 | 0.00 | 0.00 | 15.17 | 36.84 | | | | | | | | |
| R45 | | | | | | | | | | | | | | | | | |
| | R45BO001 | 4.35 | 1.01 | 2.19 | 0.91 | 0.00 | 0.00 | 7.65 | 16.11 | | | | | | | | |
| | R45BO004 | 4.52 | 1.05 | 2.19 | 0.91 | 0.00 | 0.00 | 7.95 | 16.62 | | | | | | | | |
| | R45BO005 | 5.68 | 1.32 | 3.05 | 1.27 | 0.00 | 0.00 | 9.99 | 21.31 | | | | | | | | |
| | R45BO006 | 10.98 | 2.55 | 4.90 | 2.04 | 0.00 | 0.00 | 19.31 | 39.78 | | | | | | | | |
| | R45BO007 | 13.38 | 3.11 | 7.49 | 3.12 | 0.00 | 0.00 | 23.53 | 50.63 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***R45*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | R45BO008 | 14.20 | 3.30 | 7.49 | 3.12 | 0.00 | 0.00 | 24.98 | 53.09 | | | | | | | | |
| | R45CA001 | 3.84 | 0.89 | 2.45 | 1.02 | 0.00 | 0.00 | 6.75 | 14.95 | | | | | | | | |
| | R45CA002 | 4.47 | 1.04 | 2.45 | 1.02 | 0.00 | 0.00 | 7.85 | 16.83 | | | | | | | | |
| | R45CA005 | 11.11 | 2.58 | 4.64 | 1.94 | 0.00 | 0.00 | 19.54 | 39.81 | | | | | | | | |
| | R45CA007 | 13.89 | 3.23 | 7.09 | 2.96 | 0.00 | 0.00 | 24.43 | 51.60 | | | | | | | | |
| | R45CA010 | 16.62 | 3.86 | 9.60 | 4.01 | 0.00 | 0.00 | 29.23 | 63.32 | | | | | | | | |
| | R45IN004 | 10.79 | 2.51 | 5.03 | 2.10 | 0.00 | 0.00 | 18.98 | 39.41 | | | | | | | | |
| | R45IN005 | 12.36 | 2.87 | 7.42 | 3.10 | 0.00 | 0.00 | 21.74 | 47.49 | | | | | | | | |
| | R45RS001 | 1.44 | 0.33 | 3.42 | 1.43 | 0.00 | 0.00 | 2.53 | 9.15 | | | | | | | | |
| | R45SI007 | 3.14 | 0.73 | 0.93 | 0.39 | 0.00 | 0.00 | 5.52 | 10.71 | | | | | | | | |
| | R45SI008 | 4.71 | 1.09 | 1.85 | 0.77 | 0.00 | 0.00 | 8.28 | 16.70 | | | | | | | | |
| | R45SI009 | 9.21 | 2.14 | 2.45 | 1.02 | 0.00 | 0.00 | 16.20 | 31.02 | | | | | | | | |
| | R45SI010 | 12.55 | 2.91 | 8.02 | 3.35 | 0.00 | 0.00 | 22.07 | 48.90 | | | | | | | | |
| **R50** | | | | | | | | | | | | | | | | | |
| | R50BO005 | 3.88 | 1.04 | 1.81 | 0.76 | 0.47 | 0.09 | 6.71 | 14.76 | | | | | | | | |
| | R50BO006 | 6.86 | 1.76 | 2.57 | 1.07 | 0.09 | 0.02 | 11.71 | 24.08 | | | | | | | | |
| | R50BO007 | 9.77 | 2.52 | 3.66 | 1.53 | 0.23 | 0.04 | 16.71 | 34.46 | | | | | | | | |
| | R50BO008 | 12.58 | 3.26 | 8.79 | 3.67 | 0.47 | 0.09 | 21.54 | 50.40 | | | | | | | | |
| | R50BO009 | 18.94 | 4.88 | 8.60 | 3.59 | 0.47 | 0.09 | 32.39 | 68.96 | | | | | | | | |
| | R50BO010 | 4.47 | 1.15 | 1.81 | 0.76 | 0.09 | 0.02 | 7.65 | 15.95 | | | | | | | | |
| | R50BO011 | 7.31 | 1.87 | 2.57 | 1.07 | 0.09 | 0.02 | 12.48 | 25.41 | | | | | | | | |
| | R50BO012 | 11.05 | 2.84 | 3.66 | 1.53 | 0.23 | 0.04 | 18.89 | 38.24 | | | | | | | | |
| | R50BO013 | 13.86 | 3.59 | 8.79 | 3.67 | 0.47 | 0.09 | 23.73 | 54.20 | | | | | | | | |
| | R50CA001 | 6.78 | 1.75 | 3.33 | 1.39 | 0.16 | 0.03 | 11.59 | 25.03 | | | | | | | | |
| | R50CA002 | 7.81 | 2.01 | 3.33 | 1.39 | 0.16 | 0.03 | 13.35 | 28.08 | | | | | | | | |
| | R50CA003 | 8.29 | 2.14 | 4.99 | 2.08 | 0.27 | 0.05 | 14.18 | 32.00 | | | | | | | | |
| | R50CA004 | 10.60 | 2.73 | 4.99 | 2.08 | 0.27 | 0.05 | 18.12 | 38.84 | | | | | | | | |
| | R50CA005 | 9.59 | 2.48 | 4.99 | 2.08 | 0.27 | 0.05 | 16.40 | 35.86 | | | | | | | | |
| | R50CA009 | 12.21 | 3.19 | 7.27 | 3.03 | 0.65 | 0.12 | 20.94 | 47.41 | | | | | | | | |
| | R50CA011 | 15.27 | 3.97 | 6.89 | 2.87 | 0.65 | 0.12 | 26.16 | 55.93 | | | | | | | | |
| | R50CA012 | 14.40 | 3.75 | 7.27 | 3.03 | 0.65 | 0.12 | 24.68 | 53.90 | | | | | | | | |
| | R50IN001 | 6.98 | 1.80 | 3.61 | 1.51 | 0.21 | 0.04 | 11.93 | 26.08 | | | | | | | | |
| | R50SI004 | 11.21 | 2.88 | 4.32 | 1.80 | 0.12 | 0.02 | 19.15 | 39.50 | | | | | | | | |
| | R50SI005 | 16.48 | 4.22 | 4.09 | 1.71 | 0.12 | 0.02 | 28.14 | 54.78 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *R50* | *cont.* | | | | | | | | | | | | | | | | |
| | R50SI006 | 6.20 | 1.62 | 2.90 | 1.21 | 0.31 | 0.06 | 10.63 | 22.93 | | | | | | | | |
| | R50SI007 | 6.78 | 1.76 | 2.71 | 1.13 | 0.31 | 0.06 | 11.62 | 24.37 | | | | | | | | |
| | R50SI013 | 10.49 | 2.73 | 6.56 | 2.74 | 0.47 | 0.09 | 17.98 | 41.06 | | | | | | | | |
| | R50SI016 | 10.88 | 2.83 | 5.61 | 2.34 | 0.47 | 0.09 | 18.64 | 40.86 | | | | | | | | |
| | R50SI017 | 12.47 | 3.23 | 5.61 | 2.34 | 0.47 | 0.09 | 21.35 | 45.56 | | | | | | | | |
| | R50SI022 | 8.78 | 2.27 | 6.56 | 2.74 | 0.25 | 0.05 | 15.02 | 35.67 | | | | | | | | |
| | R50SI023 | 9.77 | 2.52 | 3.90 | 1.63 | 0.25 | 0.05 | 16.72 | 34.84 | | | | | | | | |
| | R50SI024 | 2.90 | 0.76 | 1.33 | 0.55 | 0.17 | 0.03 | 4.99 | 10.73 | | | | | | | | |
| | R50SI025 | 5.59 | 1.45 | 1.43 | 0.60 | 0.17 | 0.03 | 9.57 | 18.84 | | | | | | | | |
| | R50SI026 | 11.21 | 2.88 | 4.94 | 2.06 | 0.17 | 0.03 | 19.15 | 40.44 | | | | | | | | |
| | R50SI027 | 16.70 | 4.28 | 4.09 | 1.71 | 0.17 | 0.03 | 28.51 | 55.49 | | | | | | | | |
| **R55** | | | | | | | | | | | | | | | | | |
| | R55AE001 | 0.90 | 0.15 | 0.91 | 3.58 | 0.04 | 0.01 | 1.11 | 6.70 | | | | | | | | |
| | R55AE002 | 1.10 | 0.19 | 0.91 | 5.28 | 0.04 | 0.01 | 1.36 | 8.89 | | | | | | | | |
| | R55AE003 | 1.48 | 0.25 | 0.91 | 6.88 | 0.08 | 0.01 | 1.82 | 11.43 | | | | | | | | |
| | R55AE004 | 1.90 | 0.34 | 0.91 | 7.28 | 0.18 | 0.03 | 2.35 | 12.99 | | | | | | | | |
| | R55AE008 | 0.63 | 0.11 | 0.91 | 0.28 | 0.06 | 0.01 | 0.77 | 2.77 | | | | | | | | |
| | R55AE009 | 0.24 | 0.04 | 1.03 | 0.32 | 0.00 | 0.00 | 0.29 | 1.92 | | | | | | | | |
| | R55AE010 | 0.44 | 0.07 | 1.82 | 0.57 | 0.00 | 0.00 | 0.54 | 3.44 | | | | | | | | |
| | R55GL001 | 0.41 | 0.07 | 0.00 | 0.50 | 0.04 | 0.01 | 0.51 | 1.54 | | | | | | | | |
| | R55GL002 | 1.38 | 0.23 | 0.57 | 0.68 | 0.04 | 0.01 | 1.70 | 4.61 | | | | | | | | |
| | R55GL003 | 1.82 | 0.31 | 1.03 | 1.07 | 0.04 | 0.01 | 2.23 | 6.51 | | | | | | | | |
| | R55GL004 | 2.03 | 0.34 | 1.03 | 1.32 | 0.06 | 0.01 | 2.50 | 7.29 | | | | | | | | |
| | R55GL007 | 1.65 | 0.27 | 2.05 | 0.64 | 0.00 | 0.00 | 2.01 | 6.62 | | | | | | | | |
| | R55GL008 | 0.39 | 0.06 | 0.57 | 0.18 | 0.00 | 0.00 | 0.48 | 1.68 | | | | | | | | |
| | R55GL009 | 0.31 | 0.05 | 0.91 | 0.28 | 0.00 | 0.00 | 0.38 | 1.93 | | | | | | | | |
| | R55GL011 | 0.85 | 0.14 | 1.82 | 0.57 | 0.00 | 0.00 | 1.03 | 4.41 | | | | | | | | |
| | R55GL012 | 1.62 | 0.27 | 1.03 | 1.07 | 0.04 | 0.01 | 1.99 | 6.03 | | | | | | | | |
| | R55GL013 | 0.16 | 0.03 | 0.00 | 0.25 | 0.03 | 0.01 | 0.20 | 0.68 | | | | | | | | |
| | R55GL014 | 0.39 | 0.06 | 0.00 | 0.35 | 0.00 | 0.00 | 0.48 | 1.28 | | | | | | | | |
| | R55GL015 | 1.17 | 0.19 | 1.03 | 0.32 | 0.00 | 0.00 | 1.43 | 4.14 | | | | | | | | |
| | R55GL016 | 0.79 | 0.13 | 1.03 | 0.32 | 0.00 | 0.00 | 0.97 | 3.24 | | | | | | | | |
| | R55GL017 | 0.25 | 0.04 | 0.57 | 0.18 | 0.00 | 0.00 | 0.30 | 1.34 | | | | | | | | |
| | R55GL018 | 0.26 | 0.04 | 0.57 | 0.18 | 0.00 | 0.00 | 0.32 | 1.37 | | | | | | | | |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***R55*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | R55GL019 | 0.46 | 0.08 | 0.91 | 0.28 | 0.00 | 0.00 | 0.57 | 2.30 | | | | | | | | |
| **S10** | | | | | | | | | | | | | | | | | |
| | S10CA001 | 15.05 | 5.23 | 8.32 | 4.34 | 4.09 | 0.75 | 18.90 | 56.68 | 18.07 | 5.31 | 11.09 | 5.78 | 6.73 | 1.24 | 24.20 | 72.42 |
| | S10CA002 | 23.25 | 8.15 | 12.59 | 6.57 | 8.73 | 1.61 | 29.24 | 90.14 | 27.91 | 8.28 | 16.79 | 8.76 | 14.50 | 2.68 | 37.45 | 116.37 |
| | S10CA003 | 33.63 | 11.69 | 17.34 | 9.04 | 10.01 | 1.85 | 42.22 | 125.78 | 40.36 | 11.87 | 23.13 | 12.06 | 16.64 | 3.07 | 54.07 | 161.20 |
| | S10JD001 | 15.02 | 5.21 | 8.55 | 4.46 | 3.69 | 0.68 | 18.84 | 56.45 | 18.02 | 5.29 | 11.40 | 5.95 | 6.13 | 1.13 | 24.13 | 72.05 |
| | S10JD002 | 22.97 | 7.95 | 12.74 | 6.64 | 6.02 | 1.11 | 28.81 | 86.24 | 27.56 | 8.07 | 16.98 | 8.86 | 9.99 | 1.84 | 36.89 | 110.19 |
| **S15** | | | | | | | | | | | | | | | | | |
| | S15CA001 | 20.61 | 10.01 | 16.29 | 6.80 | 10.84 | 2.00 | 22.46 | 89.01 | 29.20 | 10.23 | 21.02 | 8.77 | 17.99 | 3.32 | 34.28 | 124.81 |
| | S15CA002 | 31.29 | 15.14 | 20.09 | 8.38 | 15.06 | 2.78 | 34.07 | 126.81 | 44.32 | 15.48 | 25.92 | 10.81 | 25.03 | 4.62 | 52.00 | 178.18 |
| | S15CA003 | 40.54 | 19.56 | 26.52 | 11.06 | 18.05 | 3.33 | 44.11 | 163.17 | 57.43 | 19.99 | 34.21 | 14.27 | 29.96 | 5.53 | 67.34 | 228.73 |
| **S20** | | | | | | | | | | | | | | | | | |
| | S20CA001 | 23.80 | 11.49 | 25.58 | 8.68 | 14.37 | 2.65 | 25.90 | 112.47 | 33.72 | 11.75 | 33.57 | 11.38 | 24.96 | 4.61 | 39.54 | 159.53 |
| | S20CA002 | 24.13 | 11.65 | 25.58 | 8.68 | 14.37 | 2.65 | 26.26 | 113.32 | 34.19 | 11.90 | 33.57 | 11.38 | 24.96 | 4.61 | 40.09 | 160.70 |
| | S20CA003 | 39.78 | 19.09 | 32.26 | 10.94 | 19.99 | 3.69 | 43.24 | 168.99 | 56.36 | 19.51 | 42.34 | 14.36 | 34.71 | 6.40 | 66.01 | 239.69 |
| | S20CA004 | 41.51 | 19.89 | 32.26 | 10.94 | 19.99 | 3.69 | 45.10 | 173.38 | 58.80 | 20.33 | 42.34 | 14.36 | 34.71 | 6.40 | 68.85 | 245.79 |
| | S20CA005 | 49.56 | 23.59 | 43.77 | 14.84 | 18.29 | 3.37 | 53.78 | 207.20 | 70.22 | 24.11 | 57.45 | 19.47 | 31.77 | 5.86 | 82.10 | 290.98 |
| | S20CA006 | 52.23 | 25.00 | 43.77 | 14.84 | 23.93 | 4.42 | 56.74 | 220.93 | 73.99 | 25.55 | 57.45 | 19.47 | 41.57 | 7.67 | 86.61 | 312.31 |
| **S25** | | | | | | | | | | | | | | | | | |
| | S25JD001 | 2.28 | 0.87 | 0.00 | 0.00 | 1.38 | 0.25 | 2.73 | 7.51 | 2.74 | 0.88 | 0.00 | 0.00 | 1.81 | 0.33 | 3.50 | 9.26 |
| | S25JD002 | 2.81 | 1.10 | 0.00 | 0.00 | 2.08 | 0.38 | 3.38 | 9.75 | 3.37 | 1.12 | 0.00 | 0.00 | 2.72 | 0.50 | 4.34 | 12.05 |
| | S25RI001 | 2.19 | 0.79 | 0.00 | 0.00 | 0.78 | 0.14 | 2.59 | 6.49 | 2.63 | 0.81 | 0.00 | 0.00 | 1.02 | 0.19 | 3.33 | 7.98 |
| | S25RI002 | 2.59 | 0.93 | 0.00 | 0.00 | 0.78 | 0.14 | 3.06 | 7.50 | 3.11 | 0.94 | 0.00 | 0.00 | 1.02 | 0.19 | 3.93 | 9.19 |
| | S25RM001 | 6.97 | 2.58 | 0.00 | 1.51 | 3.82 | 0.70 | 8.27 | 23.85 | 8.36 | 2.62 | 0.00 | 1.51 | 4.98 | 0.92 | 10.63 | 29.02 |
| | S25RM002 | 7.84 | 2.94 | 0.00 | 1.51 | 4.82 | 0.89 | 9.34 | 27.34 | 9.41 | 2.98 | 0.00 | 1.51 | 6.29 | 1.16 | 12.00 | 33.35 |
| | S25RM003 | 5.30 | 2.06 | 0.00 | 1.51 | 4.52 | 0.83 | 6.37 | 20.59 | 6.36 | 2.10 | 0.00 | 1.51 | 5.90 | 1.09 | 8.18 | 25.14 |
| **S30** | | | | | | | | | | | | | | | | | |
| | S30HW001 | 9.78 | 5.49 | 22.75 | 13.35 | 0.88 | 0.16 | 14.16 | 66.57 | 16.31 | 5.66 | 27.30 | 19.38 | 0.88 | 0.16 | 29.49 | 99.18 |
| | S30HW002 | 13.24 | 7.43 | 31.85 | 18.69 | 1.29 | 0.24 | 19.16 | 91.90 | 22.07 | 7.65 | 38.22 | 27.13 | 1.29 | 0.24 | 39.92 | 136.52 |
| | S30HW005 | 5.21 | 2.93 | 3.64 | 2.14 | 0.52 | 0.10 | 4.90 | 19.44 | 8.68 | 3.02 | 4.37 | 3.10 | 0.52 | 0.10 | 10.68 | 30.47 |
| | S30HW006 | 8.72 | 4.88 | 9.10 | 5.34 | 0.56 | 0.10 | 8.20 | 36.90 | 14.54 | 5.02 | 10.92 | 7.75 | 0.56 | 0.10 | 17.87 | 56.76 |
| | S30HW007 | 9.49 | 5.30 | 11.38 | 6.68 | 0.56 | 0.10 | 8.92 | 42.43 | 15.81 | 5.45 | 13.65 | 9.69 | 0.56 | 0.10 | 19.43 | 64.69 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *S30* | *cont.* | | | | | | | | | | | | | | | | |
| | S30HW008 | 9.91 | 5.53 | 11.38 | 6.68 | 0.56 | 0.10 | 9.32 | 43.48 | 16.52 | 5.70 | 13.65 | 9.69 | 0.56 | 0.10 | 20.31 | 66.53 |
| | S30HW009 | 10.24 | 5.74 | 13.65 | 8.01 | 0.83 | 0.15 | 9.63 | 48.25 | 17.07 | 5.91 | 16.38 | 11.63 | 0.83 | 0.15 | 20.99 | 72.96 |
| | S30HW010 | 12.49 | 6.99 | 18.20 | 10.68 | 0.94 | 0.17 | 11.74 | 61.21 | 20.82 | 7.20 | 21.84 | 15.50 | 0.94 | 0.17 | 25.59 | 92.06 |
| | S30HW011 | 12.22 | 6.86 | 18.20 | 10.68 | 1.12 | 0.21 | 11.49 | 60.78 | 20.37 | 7.06 | 21.84 | 15.50 | 1.12 | 0.21 | 25.05 | 91.15 |
| | S30HW012 | 14.45 | 8.10 | 18.20 | 10.68 | 1.29 | 0.24 | 13.58 | 66.54 | 24.08 | 8.34 | 21.84 | 15.50 | 1.29 | 0.24 | 29.61 | 100.90 |
| | S30HW013 | 11.83 | 6.62 | 40.95 | 24.03 | 0.86 | 0.16 | 17.11 | 101.56 | 19.72 | 6.82 | 49.14 | 34.88 | 0.86 | 0.16 | 35.64 | 147.22 |
| | S30HW014 | 9.51 | 2.28 | 1.37 | 0.80 | 0.35 | 0.06 | 11.01 | 25.38 | 11.89 | 2.34 | 1.64 | 1.16 | 0.35 | 0.06 | 17.20 | 34.64 |
| | S30HW015 | 10.48 | 2.51 | 2.28 | 1.34 | 0.35 | 0.06 | 12.13 | 29.15 | 13.11 | 2.58 | 2.73 | 1.94 | 0.35 | 0.06 | 18.96 | 39.73 |
| | S30HW016 | 9.91 | 2.38 | 1.82 | 1.07 | 0.35 | 0.06 | 11.46 | 27.05 | 12.38 | 2.44 | 2.18 | 1.55 | 0.35 | 0.06 | 17.91 | 36.87 |
| | S30HW017 | 10.69 | 2.56 | 2.28 | 1.34 | 0.35 | 0.06 | 12.37 | 29.65 | 13.36 | 2.63 | 2.73 | 1.94 | 0.35 | 0.06 | 19.33 | 40.40 |
| | S30HW018 | 12.62 | 3.06 | 3.64 | 2.14 | 0.72 | 0.13 | 14.62 | 36.93 | 15.78 | 3.14 | 4.37 | 3.10 | 0.72 | 0.13 | 22.85 | 50.09 |
| | S30KB001 | 2.40 | 0.59 | 1.37 | 0.80 | 0.20 | 0.04 | 2.44 | 7.84 | 3.01 | 0.60 | 1.64 | 1.16 | 0.20 | 0.04 | 3.70 | 10.35 |
| | S30KB002 | 2.62 | 0.65 | 1.37 | 0.80 | 0.28 | 0.05 | 2.66 | 8.43 | 3.27 | 0.66 | 1.64 | 1.16 | 0.28 | 0.05 | 4.04 | 11.10 |
| | S30KB003 | 2.56 | 0.63 | 2.28 | 1.34 | 0.22 | 0.04 | 2.60 | 9.67 | 3.20 | 0.64 | 2.73 | 1.94 | 0.22 | 0.04 | 3.94 | 12.71 |
| | S30KB004 | 2.92 | 0.72 | 2.28 | 1.34 | 0.33 | 0.06 | 2.96 | 10.61 | 3.65 | 0.74 | 2.73 | 1.94 | 0.33 | 0.06 | 4.50 | 13.95 |
| | S30KB005 | 3.03 | 0.75 | 2.73 | 1.60 | 0.34 | 0.06 | 3.08 | 11.59 | 3.79 | 0.77 | 3.28 | 2.33 | 0.34 | 0.06 | 4.67 | 15.24 |
| | S30KB006 | 3.55 | 0.87 | 3.64 | 2.14 | 0.37 | 0.07 | 3.60 | 14.24 | 4.44 | 0.90 | 4.37 | 3.10 | 0.37 | 0.07 | 5.47 | 18.72 |
| | S30KB007 | 2.52 | 0.65 | 1.37 | 0.80 | 0.52 | 0.10 | 2.57 | 8.53 | 3.15 | 0.67 | 1.64 | 1.16 | 0.52 | 0.10 | 3.90 | 11.14 |
| | S30KB008 | 3.01 | 0.77 | 1.37 | 0.80 | 0.55 | 0.10 | 3.07 | 9.67 | 3.76 | 0.79 | 1.64 | 1.16 | 0.55 | 0.10 | 4.66 | 12.66 |
| | S30KB009 | 3.20 | 0.82 | 1.82 | 1.07 | 0.66 | 0.12 | 3.26 | 10.95 | 3.99 | 0.85 | 2.18 | 1.55 | 0.66 | 0.12 | 4.95 | 14.30 |
| | S30KB010 | 2.65 | 0.69 | 2.28 | 1.34 | 0.62 | 0.11 | 2.71 | 10.40 | 3.31 | 0.71 | 2.73 | 1.94 | 0.62 | 0.11 | 4.11 | 13.53 |
| | S30KB011 | 3.29 | 0.85 | 2.28 | 1.34 | 0.67 | 0.12 | 3.36 | 11.91 | 4.12 | 0.87 | 2.73 | 1.94 | 0.67 | 0.12 | 5.10 | 15.55 |
| | S30KB012 | 3.89 | 0.99 | 2.73 | 1.60 | 0.71 | 0.13 | 3.96 | 14.01 | 4.86 | 1.02 | 3.28 | 2.33 | 0.71 | 0.13 | 6.01 | 18.34 |
| | S30KB013 | 3.15 | 0.81 | 2.73 | 1.60 | 0.66 | 0.12 | 3.22 | 12.29 | 3.94 | 0.84 | 3.28 | 2.33 | 0.66 | 0.12 | 4.88 | 16.05 |
| | S30KB014 | 3.94 | 1.00 | 3.64 | 2.14 | 0.72 | 0.13 | 4.01 | 15.58 | 4.92 | 1.03 | 4.37 | 3.10 | 0.72 | 0.13 | 6.09 | 20.36 |
| | S30KB015 | 4.78 | 1.21 | 4.55 | 2.67 | 0.77 | 0.14 | 4.87 | 18.99 | 5.98 | 1.24 | 5.46 | 3.88 | 0.77 | 0.14 | 7.39 | 24.86 |
| | S30KB018 | 7.18 | 1.74 | 2.28 | 1.34 | 0.44 | 0.08 | 7.28 | 20.34 | 8.98 | 1.78 | 2.73 | 1.94 | 0.44 | 0.08 | 11.05 | 27.00 |
| | S30KB021 | 8.46 | 2.05 | 3.64 | 2.14 | 0.50 | 0.09 | 8.58 | 25.46 | 10.58 | 2.10 | 4.37 | 3.10 | 0.50 | 0.09 | 13.02 | 33.76 |
| | S30KB024 | 9.96 | 2.41 | 5.46 | 3.20 | 0.57 | 0.11 | 10.09 | 31.80 | 12.45 | 2.47 | 6.55 | 4.65 | 0.57 | 0.11 | 15.32 | 42.12 |
| | S30KB025 | 5.12 | 1.24 | 1.82 | 1.07 | 0.31 | 0.06 | 5.19 | 14.81 | 6.40 | 1.27 | 2.18 | 1.55 | 0.31 | 0.06 | 7.88 | 19.65 |
| | S30KB026 | 6.10 | 1.48 | 1.82 | 1.07 | 0.35 | 0.06 | 6.19 | 17.07 | 7.63 | 1.51 | 2.18 | 1.55 | 0.35 | 0.06 | 9.39 | 22.67 |
| | S30KB027 | 7.71 | 1.86 | 2.28 | 1.34 | 0.44 | 0.08 | 7.81 | 21.52 | 9.64 | 1.91 | 2.73 | 1.94 | 0.44 | 0.08 | 11.86 | 28.60 |
| | S30KB028 | 5.32 | 1.29 | 2.73 | 1.60 | 0.36 | 0.07 | 5.40 | 16.77 | 6.65 | 1.33 | 3.28 | 2.33 | 0.36 | 0.07 | 8.19 | 22.21 |
| | S30KB029 | 7.19 | 1.74 | 2.73 | 1.60 | 0.40 | 0.07 | 7.29 | 21.02 | 8.99 | 1.78 | 3.28 | 2.33 | 0.40 | 0.07 | 11.06 | 27.91 |
| | S30KB030 | 9.10 | 2.20 | 3.64 | 2.14 | 0.50 | 0.09 | 9.22 | 26.89 | 11.38 | 2.26 | 4.37 | 3.10 | 0.50 | 0.09 | 14.00 | 35.70 |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *S30* | *cont.* | | | | | | | | | | | | | | | | |
| | S30KB031 | 7.62 | 1.84 | 4.55 | 2.67 | 0.40 | 0.07 | 7.72 | 24.87 | 9.52 | 1.88 | 5.46 | 3.88 | 0.40 | 0.07 | 11.71 | 32.92 |
| | S30KB032 | 9.18 | 2.21 | 4.55 | 2.67 | 0.45 | 0.08 | 9.30 | 28.44 | 11.48 | 2.27 | 5.46 | 3.88 | 0.45 | 0.08 | 14.12 | 37.74 |
| | S30KB033 | 10.71 | 2.58 | 5.46 | 3.20 | 0.57 | 0.11 | 10.85 | 33.48 | 13.38 | 2.65 | 6.55 | 4.65 | 0.57 | 0.11 | 16.47 | 44.38 |
| | S30KB034 | 3.74 | 0.91 | 1.37 | 0.80 | 0.33 | 0.06 | 3.79 | 11.00 | 4.67 | 0.94 | 1.64 | 1.16 | 0.33 | 0.06 | 5.76 | 14.56 |
| | S30KB035 | 4.09 | 1.02 | 1.82 | 1.07 | 0.52 | 0.10 | 4.16 | 12.78 | 5.11 | 1.04 | 2.18 | 1.55 | 0.52 | 0.10 | 6.31 | 16.81 |
| | S30KB036 | 4.01 | 0.98 | 1.82 | 1.07 | 0.37 | 0.07 | 4.07 | 12.39 | 5.01 | 1.01 | 2.18 | 1.55 | 0.37 | 0.07 | 6.18 | 16.37 |
| | S30KB041 | 4.44 | 1.10 | 2.28 | 1.34 | 0.58 | 0.11 | 4.51 | 14.36 | 5.55 | 1.13 | 2.73 | 1.94 | 0.58 | 0.11 | 6.85 | 18.89 |
| | S30KB042 | 5.16 | 1.25 | 2.28 | 1.34 | 0.28 | 0.05 | 5.23 | 15.59 | 6.45 | 1.28 | 2.73 | 1.94 | 0.28 | 0.05 | 7.94 | 20.67 |
| | S30KB043 | 5.62 | 1.37 | 3.19 | 1.87 | 0.43 | 0.08 | 5.70 | 18.26 | 7.02 | 1.41 | 3.82 | 2.71 | 0.43 | 0.08 | 8.65 | 24.12 |
| | S30KB044 | 5.62 | 1.37 | 3.19 | 1.87 | 0.43 | 0.08 | 5.70 | 18.26 | 7.02 | 1.41 | 3.82 | 2.71 | 0.43 | 0.08 | 8.65 | 24.12 |
| | S30KB045 | 14.33 | 7.99 | 17.11 | 6.25 | 0.65 | 0.12 | 20.72 | 67.17 | 23.88 | 8.22 | 20.74 | 9.08 | 0.65 | 0.12 | 43.16 | 105.85 |
| | S30KB046 | 14.31 | 7.96 | 19.11 | 11.21 | 0.59 | 0.11 | 24.83 | 78.12 | 23.85 | 8.20 | 22.93 | 16.27 | 0.59 | 0.11 | 55.17 | 127.12 |
| | S30KB047 | 12.23 | 6.82 | 28.67 | 16.82 | 0.61 | 0.11 | 21.22 | 86.48 | 20.38 | 7.02 | 34.40 | 24.41 | 0.61 | 0.11 | 47.15 | 134.08 |
| | S30KB048 | 11.94 | 2.86 | 7.28 | 4.27 | 0.40 | 0.07 | 13.81 | 40.63 | 14.92 | 2.93 | 8.74 | 6.20 | 0.40 | 0.07 | 21.58 | 54.84 |
| | S30KB049 | 11.37 | 2.94 | 8.19 | 4.81 | 2.93 | 0.54 | 13.26 | 44.04 | 14.21 | 3.01 | 9.83 | 6.98 | 2.93 | 0.54 | 20.72 | 58.22 |
| | S30KB050 | 16.41 | 3.92 | 22.75 | 13.35 | 0.33 | 0.06 | 18.98 | 75.80 | 20.52 | 4.02 | 27.30 | 19.38 | 0.33 | 0.06 | 29.66 | 101.27 |
| | S30KB051 | 20.88 | 4.97 | 22.75 | 13.35 | 0.33 | 0.06 | 24.15 | 86.49 | 26.10 | 5.10 | 27.30 | 19.38 | 0.33 | 0.06 | 37.73 | 116.00 |
| | S30KB052 | 20.95 | 4.98 | 22.75 | 13.35 | 0.22 | 0.04 | 24.22 | 86.51 | 26.19 | 5.10 | 27.30 | 19.38 | 0.22 | 0.04 | 37.85 | 116.08 |
| | S30KB053 | 5.67 | 1.37 | 3.19 | 1.87 | 0.32 | 0.06 | 5.75 | 18.23 | 7.09 | 1.41 | 3.82 | 2.71 | 0.32 | 0.06 | 8.73 | 24.14 |
| | S30KB054 | 5.11 | 1.25 | 2.28 | 1.34 | 0.39 | 0.07 | 5.18 | 15.62 | 6.38 | 1.28 | 2.73 | 1.94 | 0.39 | 0.07 | 7.86 | 20.65 |
| | S30KB055 | 10.11 | 5.64 | 8.55 | 3.12 | 0.56 | 0.10 | 9.51 | 37.59 | 16.86 | 5.81 | 10.37 | 4.54 | 0.56 | 0.10 | 20.72 | 58.96 |
| | S30KB056 | 10.43 | 5.82 | 8.55 | 3.12 | 0.56 | 0.10 | 9.80 | 38.38 | 17.38 | 5.99 | 10.37 | 4.54 | 0.56 | 0.10 | 21.36 | 60.30 |
| | S30KB057 | 11.80 | 6.57 | 10.60 | 3.87 | 0.56 | 0.10 | 11.09 | 44.59 | 19.66 | 6.77 | 12.84 | 5.62 | 0.56 | 0.10 | 24.16 | 69.71 |
| | S30KB058 | 10.22 | 5.69 | 22.75 | 13.35 | 0.57 | 0.11 | 9.60 | 62.29 | 17.03 | 5.86 | 27.30 | 19.38 | 0.57 | 0.11 | 20.92 | 91.17 |
| | S30KB059 | 15.99 | 8.91 | 27.30 | 16.02 | 0.78 | 0.14 | 15.03 | 84.17 | 26.66 | 9.17 | 32.76 | 23.25 | 0.78 | 0.14 | 32.76 | 125.52 |
| | S30PU001 | 18.30 | 4.40 | 10.22 | 3.73 | 0.90 | 0.17 | 18.53 | 56.25 | 22.87 | 4.52 | 12.38 | 5.42 | 0.90 | 0.17 | 28.13 | 74.39 |
| | S30PU002 | 26.94 | 6.50 | 16.63 | 6.07 | 1.50 | 0.28 | 27.30 | 85.22 | 33.68 | 6.66 | 20.16 | 8.83 | 1.50 | 0.28 | 41.44 | 112.55 |
| | S30PU003 | 41.07 | 9.86 | 16.63 | 6.07 | 1.77 | 0.33 | 41.59 | 117.32 | 51.34 | 10.12 | 20.16 | 8.83 | 1.77 | 0.33 | 63.13 | 155.68 |
| | S30RA001 | 3.89 | 0.93 | 1.14 | 0.42 | 0.07 | 0.01 | 4.50 | 10.96 | 4.86 | 0.95 | 1.38 | 0.60 | 0.07 | 0.01 | 7.03 | 14.90 |
| | S30RA002 | 5.76 | 1.37 | 1.19 | 0.43 | 0.07 | 0.01 | 6.66 | 15.49 | 7.20 | 1.41 | 1.44 | 0.63 | 0.07 | 0.01 | 10.41 | 21.17 |
| | S30RA003 | 8.91 | 2.12 | 2.33 | 0.85 | 0.14 | 0.03 | 10.30 | 24.68 | 11.14 | 2.18 | 2.82 | 1.23 | 0.14 | 0.03 | 16.10 | 33.64 |
| | S30RA004 | 11.58 | 2.75 | 2.33 | 0.85 | 0.14 | 0.03 | 13.38 | 31.06 | 14.47 | 2.82 | 2.82 | 1.23 | 0.14 | 0.03 | 20.91 | 42.42 |
| | S30TS001 | 3.10 | 0.76 | 0.91 | 0.53 | 0.29 | 0.05 | 3.15 | 8.79 | 3.88 | 0.78 | 1.09 | 0.77 | 0.29 | 0.05 | 4.78 | 11.64 |
| | S30TS002 | 3.45 | 0.85 | 1.37 | 0.80 | 0.36 | 0.07 | 3.50 | 10.40 | 4.31 | 0.87 | 1.64 | 1.16 | 0.36 | 0.07 | 5.31 | 13.72 |
| | S30TS003 | 3.25 | 0.80 | 0.91 | 0.53 | 0.34 | 0.06 | 3.30 | 9.19 | 4.07 | 0.82 | 1.09 | 0.77 | 0.34 | 0.06 | 5.02 | 12.17 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *S30* | *cont.* | | | | | | | | | | | | | | | | |
| | S30TS004 | 3.66 | 0.90 | 1.82 | 1.07 | 0.42 | 0.08 | 3.72 | 11.67 | 4.57 | 0.93 | 2.18 | 1.55 | 0.42 | 0.08 | 5.64 | 15.37 |
| | S30TS005 | 3.45 | 0.85 | 1.82 | 1.07 | 0.38 | 0.07 | 3.51 | 11.15 | 4.32 | 0.87 | 2.18 | 1.55 | 0.38 | 0.07 | 5.32 | 14.69 |
| | S30TS006 | 3.93 | 0.97 | 1.82 | 1.07 | 0.48 | 0.09 | 3.99 | 12.35 | 4.91 | 1.00 | 2.18 | 1.55 | 0.48 | 0.09 | 6.06 | 16.27 |
| | S30TS007 | 3.49 | 0.86 | 1.82 | 1.07 | 0.42 | 0.08 | 3.55 | 11.29 | 4.37 | 0.89 | 2.18 | 1.55 | 0.42 | 0.08 | 5.39 | 14.88 |
| | S30TS008 | 4.04 | 1.00 | 2.28 | 1.34 | 0.54 | 0.10 | 4.11 | 13.41 | 5.05 | 1.03 | 2.73 | 1.94 | 0.54 | 0.10 | 6.23 | 17.62 |
| | S30TS009 | 8.89 | 4.91 | 27.30 | 19.02 | 0.00 | 0.00 | 12.83 | 72.95 | 14.81 | 5.05 | 32.76 | 26.25 | 0.00 | 0.00 | 26.74 | 105.61 |
| | S30TS010 | 13.08 | 7.23 | 36.40 | 25.36 | 0.00 | 0.00 | 18.90 | 100.97 | 21.81 | 7.44 | 43.68 | 35.00 | 0.00 | 0.00 | 39.37 | 147.30 |
| | S30TS011 | 21.99 | 12.15 | 72.80 | 50.71 | 0.00 | 0.00 | 31.77 | 189.42 | 36.65 | 12.50 | 87.36 | 70.00 | 0.00 | 0.00 | 66.18 | 272.69 |
| **S35** | | | | | | | | | | | | | | | | | |
| | S35AR001 | 0.29 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.73 | | | | | | | | |
| | S35AR002 | 0.43 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 1.09 | | | | | | | | |
| **S40** | | | | | | | | | | | | | | | | | |
| | S40BO002 | 38.12 | 6.92 | 18.66 | 6.81 | 0.47 | 0.09 | 53.89 | 124.96 | 45.74 | 7.11 | 24.36 | 8.89 | 0.74 | 0.14 | 72.28 | 159.26 |
| | S40BO003 | 38.81 | 7.04 | 18.66 | 6.81 | 0.47 | 0.09 | 54.86 | 126.74 | 46.57 | 7.23 | 24.36 | 8.89 | 0.74 | 0.14 | 73.58 | 161.51 |
| | S40BO004 | 36.94 | 6.70 | 18.66 | 6.81 | 0.47 | 0.09 | 52.22 | 121.89 | 44.32 | 6.89 | 24.36 | 8.89 | 0.74 | 0.14 | 70.04 | 155.38 |
| | S40CA001 | 39.28 | 7.13 | 17.37 | 6.34 | 0.47 | 0.09 | 55.53 | 126.21 | 47.13 | 7.32 | 22.67 | 8.28 | 0.74 | 0.14 | 74.48 | 160.76 |
| | S40CA002 | 35.33 | 6.50 | 17.37 | 6.34 | 1.29 | 0.24 | 50.08 | 117.15 | 42.39 | 6.67 | 22.67 | 8.28 | 2.04 | 0.38 | 67.17 | 149.60 |
| **S45** | | | | | | | | | | | | | | | | | |
| | S45DA004 | 1.96 | 0.35 | 0.00 | 0.25 | 0.00 | 0.00 | 3.18 | 5.74 | | | | | | | | |
| | S45DA005 | 2.03 | 0.37 | 0.00 | 0.25 | 0.00 | 0.00 | 3.30 | 5.95 | | | | | | | | |
| | S45DA006 | 1.98 | 0.36 | 0.00 | 0.25 | 0.00 | 0.00 | 3.22 | 5.81 | | | | | | | | |
| | S45DA007 | 2.05 | 0.37 | 0.00 | 0.25 | 0.00 | 0.00 | 3.33 | 6.00 | | | | | | | | |
| **T10** | | | | | | | | | | | | | | | | | |
| | T10CA001 | 0.91 | 0.26 | 0.00 | 0.08 | 0.00 | 0.00 | 1.21 | 2.46 | 1.14 | 0.27 | 0.00 | 0.08 | 0.00 | 0.00 | 1.70 | 3.19 |
| | T10CA002 | 1.37 | 0.39 | 0.00 | 0.08 | 0.00 | 0.00 | 1.81 | 3.65 | 1.71 | 0.40 | 0.00 | 0.08 | 0.00 | 0.00 | 2.54 | 4.73 |
| | T10CA004 | 1.01 | 0.29 | 0.00 | 0.08 | 0.00 | 0.00 | 1.34 | 2.72 | 1.27 | 0.29 | 0.00 | 0.08 | 0.00 | 0.00 | 1.88 | 3.52 |
| | T10CA005 | 1.37 | 0.39 | 0.00 | 0.08 | 0.00 | 0.00 | 1.81 | 3.65 | 1.71 | 0.40 | 0.00 | 0.08 | 0.00 | 0.00 | 2.54 | 4.73 |
| | T10CA007 | 1.18 | 0.33 | 0.00 | 0.08 | 0.00 | 0.00 | 1.55 | 3.14 | 1.47 | 0.34 | 0.00 | 0.08 | 0.00 | 0.00 | 2.19 | 4.08 |
| | T10CA008 | 1.37 | 0.39 | 0.00 | 0.08 | 0.00 | 0.00 | 1.81 | 3.65 | 1.71 | 0.40 | 0.00 | 0.08 | 0.00 | 0.00 | 2.54 | 4.73 |
| | T10CA009 | 1.87 | 0.53 | 0.00 | 0.08 | 0.00 | 0.00 | 2.48 | 4.96 | 2.34 | 0.54 | 0.00 | 0.08 | 0.00 | 0.00 | 3.48 | 6.44 |
| | T10CA010 | 1.76 | 0.50 | 0.00 | 0.08 | 0.00 | 0.00 | 2.32 | 4.66 | 2.19 | 0.51 | 0.00 | 0.08 | 0.00 | 0.00 | 3.26 | 6.04 |
| | T10CA011 | 2.11 | 0.60 | 0.00 | 0.08 | 0.00 | 0.00 | 2.80 | 5.59 | 2.64 | 0.61 | 0.00 | 0.08 | 0.00 | 0.00 | 3.93 | 7.26 |
| | T10CA012 | 2.86 | 0.81 | 0.00 | 0.08 | 0.00 | 0.00 | 3.79 | 7.54 | 3.58 | 0.83 | 0.00 | 0.08 | 0.00 | 0.00 | 5.32 | 9.81 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *T10* | *cont.* | | | | | | | | | | | | | | | | |
| | T10CA013 | 3.14 | 0.89 | 0.00 | 0.08 | 0.00 | 0.00 | 4.16 | 8.27 | 3.93 | 0.91 | 0.00 | 0.08 | 0.00 | 0.00 | 5.84 | 10.76 |
| | T10CA014 | 2.62 | 0.74 | 0.00 | 0.08 | 0.00 | 0.00 | 3.46 | 6.90 | 3.27 | 0.76 | 0.00 | 0.08 | 0.00 | 0.00 | 4.87 | 8.98 |
| | T10CA015 | 2.71 | 0.77 | 0.00 | 0.10 | 0.00 | 0.00 | 3.59 | 7.17 | 3.39 | 0.79 | 0.00 | 0.10 | 0.00 | 0.00 | 5.04 | 9.32 |
| | T10CA016 | 3.44 | 0.98 | 0.00 | 0.12 | 0.00 | 0.00 | 4.56 | 9.10 | 4.31 | 1.00 | 0.00 | 0.12 | 0.00 | 0.00 | 6.41 | 11.84 |
| | T10CA017 | 3.73 | 1.06 | 0.00 | 0.13 | 0.00 | 0.00 | 4.94 | 9.86 | 4.67 | 1.08 | 0.00 | 0.13 | 0.00 | 0.00 | 6.94 | 12.82 |
| | T10CA018 | 3.31 | 0.94 | 0.00 | 0.13 | 0.00 | 0.00 | 4.38 | 8.76 | 4.14 | 0.96 | 0.00 | 0.13 | 0.00 | 0.00 | 6.16 | 11.39 |
| | T10CA019 | 0.10 | 0.03 | 0.00 | 0.05 | 0.00 | 0.00 | 0.13 | 0.31 | 0.12 | 0.03 | 0.00 | 0.05 | 0.00 | 0.00 | 0.18 | 0.38 |
| | T10CA020 | 2.77 | 0.79 | 0.00 | 0.15 | 0.00 | 0.00 | 3.66 | 7.37 | 3.46 | 0.80 | 0.00 | 0.15 | 0.00 | 0.00 | 5.15 | 9.56 |
| | T10CA021 | 5.07 | 1.44 | 0.00 | 0.19 | 0.00 | 0.00 | 6.70 | 13.40 | 6.34 | 1.47 | 0.00 | 0.19 | 0.00 | 0.00 | 9.42 | 17.42 |
| | T10CA022 | 5.50 | 1.56 | 0.00 | 0.19 | 0.00 | 0.00 | 7.28 | 14.53 | 6.88 | 1.60 | 0.00 | 0.19 | 0.00 | 0.00 | 10.23 | 18.90 |
| | T10CA023 | 3.46 | 0.98 | 0.00 | 0.20 | 0.00 | 0.00 | 4.57 | 9.21 | 4.32 | 1.00 | 0.00 | 0.20 | 0.00 | 0.00 | 6.43 | 11.95 |
| | T10CA024 | 7.06 | 2.00 | 0.00 | 0.28 | 0.00 | 0.00 | 9.33 | 18.67 | 8.82 | 2.05 | 0.00 | 0.28 | 0.00 | 0.00 | 13.12 | 24.27 |
| | T10CA025 | 7.63 | 2.17 | 0.00 | 0.29 | 0.00 | 0.00 | 10.09 | 20.18 | 9.54 | 2.22 | 0.00 | 0.29 | 0.00 | 0.00 | 14.19 | 26.24 |
| | T10CA026 | 10.84 | 3.08 | 0.00 | 0.40 | 0.00 | 0.00 | 14.34 | 28.66 | 13.55 | 3.15 | 0.00 | 0.40 | 0.00 | 0.00 | 20.16 | 37.26 |
| | T10CA027 | 11.72 | 3.33 | 0.00 | 0.42 | 0.00 | 0.00 | 15.50 | 30.97 | 14.65 | 3.40 | 0.00 | 0.42 | 0.00 | 0.00 | 21.79 | 40.26 |
| | T10JD001 | 0.77 | 0.23 | 0.00 | 0.00 | 0.06 | 0.01 | 1.03 | 2.10 | 0.97 | 0.23 | 0.00 | 0.00 | 0.06 | 0.01 | 1.45 | 2.72 |
| | T10LE001 | 0.54 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 1.40 | 0.68 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.84 |
| | T10LE002 | 0.61 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.81 | 1.59 | 0.76 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.14 | 2.08 |
| | T10LE003 | 0.66 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.88 | 1.73 | 0.83 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 2.25 |
| | T10LE004 | 1.13 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 2.94 | 1.41 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 3.84 |
| | T10LE005 | 1.26 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 1.66 | 3.28 | 1.57 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 4.27 |
| **T15** | | | | | | | | | | | | | | | | | |
| | T15CA002 | 4.96 | 2.03 | 3.63 | 1.70 | 0.00 | 0.00 | 11.24 | 23.56 | 5.95 | 2.06 | 4.74 | 2.22 | 0.00 | 0.00 | 14.60 | 29.57 |
| | T15CA005 | 5.80 | 2.37 | 4.15 | 1.95 | 0.00 | 0.00 | 13.14 | 27.41 | 6.96 | 2.40 | 5.41 | 2.54 | 0.00 | 0.00 | 17.08 | 34.39 |
| | T15CA008 | 10.45 | 4.28 | 7.26 | 3.41 | 0.00 | 0.00 | 23.69 | 49.09 | 12.54 | 4.33 | 9.48 | 4.45 | 0.00 | 0.00 | 30.80 | 61.60 |
| | T15CA009 | 15.66 | 6.41 | 8.55 | 4.01 | 0.00 | 0.00 | 35.50 | 70.13 | 18.79 | 6.49 | 11.17 | 5.24 | 0.00 | 0.00 | 46.14 | 87.83 |
| | T15CA011 | 13.82 | 5.66 | 9.59 | 4.50 | 0.00 | 0.00 | 31.32 | 64.89 | 16.58 | 5.73 | 12.52 | 5.88 | 0.00 | 0.00 | 40.71 | 81.42 |
| | T15CA012 | 12.24 | 7.34 | 11.92 | 4.35 | 0.00 | 0.00 | 21.57 | 57.42 | 15.30 | 7.42 | 15.57 | 5.68 | 0.00 | 0.00 | 29.66 | 73.63 |
| | T15CA014 | 14.43 | 8.66 | 12.44 | 4.54 | 0.00 | 0.00 | 25.43 | 65.50 | 18.04 | 8.75 | 16.24 | 5.93 | 0.00 | 0.00 | 34.97 | 83.93 |
| | T15CA016 | 14.69 | 8.82 | 15.81 | 5.77 | 0.00 | 0.00 | 25.90 | 70.99 | 18.37 | 8.91 | 20.64 | 7.53 | 0.00 | 0.00 | 35.61 | 91.06 |
| | T15CA017 | 20.16 | 12.10 | 21.00 | 7.67 | 0.00 | 0.00 | 35.54 | 96.47 | 25.21 | 12.23 | 27.41 | 10.01 | 0.00 | 0.00 | 48.86 | 123.72 |
| | T15CA018 | 23.04 | 14.88 | 25.44 | 7.96 | 0.00 | 0.00 | 41.87 | 113.19 | 29.10 | 15.03 | 32.83 | 10.27 | 0.00 | 0.00 | 57.72 | 144.95 |
| | T15CA019 | 41.36 | 26.72 | 37.94 | 11.87 | 0.00 | 0.00 | 75.17 | 193.06 | 52.24 | 26.98 | 48.96 | 15.32 | 0.00 | 0.00 | 103.64 | 247.14 |
| | T15CA020 | 5.13 | 2.10 | 4.15 | 1.95 | 0.00 | 0.00 | 11.63 | 24.96 | 6.15 | 2.13 | 5.41 | 2.54 | 0.00 | 0.00 | 15.11 | 31.34 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***T15*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | T15CA021 | 5.89 | 2.41 | 4.67 | 2.19 | 0.00 | 0.00 | 13.35 | 28.51 | 7.07 | 2.44 | 6.09 | 2.86 | 0.00 | 0.00 | 17.36 | 35.82 |
| | T15CA022 | 6.41 | 2.62 | 4.67 | 2.19 | 0.00 | 0.00 | 14.53 | 30.42 | 7.69 | 2.66 | 6.09 | 2.86 | 0.00 | 0.00 | 18.89 | 38.19 |
| | T15CA023 | 11.69 | 4.79 | 8.55 | 4.01 | 0.00 | 0.00 | 26.51 | 55.55 | 14.03 | 4.85 | 11.17 | 5.24 | 0.00 | 0.00 | 34.46 | 69.75 |
| | T15CA024 | 8.14 | 3.33 | 5.18 | 2.43 | 0.00 | 0.00 | 18.45 | 37.53 | 9.77 | 3.37 | 6.77 | 3.18 | 0.00 | 0.00 | 23.98 | 47.07 |
| | T15CS004 | 5.00 | 2.05 | 3.47 | 1.63 | 0.00 | 0.00 | 11.34 | 23.49 | 6.00 | 2.07 | 4.53 | 2.13 | 0.00 | 0.00 | 14.74 | 29.47 |
| | T15CS005 | 5.77 | 2.36 | 4.15 | 1.95 | 0.00 | 0.00 | 13.08 | 27.31 | 6.92 | 2.39 | 5.41 | 2.54 | 0.00 | 0.00 | 17.00 | 34.26 |
| | T15CS006 | 6.58 | 2.69 | 4.61 | 2.16 | 0.00 | 0.00 | 14.92 | 30.96 | 7.90 | 2.73 | 6.02 | 2.83 | 0.00 | 0.00 | 19.40 | 38.88 |
| | T15CS007 | 8.71 | 3.56 | 6.12 | 2.87 | 0.00 | 0.00 | 19.74 | 41.00 | 10.45 | 3.61 | 7.99 | 3.75 | 0.00 | 0.00 | 25.66 | 51.46 |
| | T15JD005 | 4.22 | 1.73 | 3.63 | 1.70 | 0.00 | 0.00 | 9.56 | 20.84 | 5.06 | 1.75 | 4.74 | 2.22 | 0.00 | 0.00 | 12.43 | 26.20 |
| | T15JD006 | 5.08 | 2.08 | 3.84 | 1.80 | 0.00 | 0.00 | 11.52 | 24.32 | 6.10 | 2.11 | 5.01 | 2.35 | 0.00 | 0.00 | 14.98 | 30.55 |
| | T15JD007 | 5.68 | 2.32 | 4.67 | 2.19 | 0.00 | 0.00 | 12.87 | 27.73 | 6.81 | 2.36 | 6.09 | 2.86 | 0.00 | 0.00 | 16.73 | 34.85 |
| | T15JD008 | 10.03 | 4.11 | 7.26 | 3.41 | 0.00 | 0.00 | 22.73 | 47.54 | 12.03 | 4.16 | 9.48 | 4.45 | 0.00 | 0.00 | 29.55 | 59.67 |
| | T15JD009 | 10.74 | 4.40 | 7.26 | 3.41 | 0.00 | 0.00 | 24.34 | 50.15 | 12.89 | 4.45 | 9.48 | 4.45 | 0.00 | 0.00 | 31.64 | 62.91 |
| | T15JD010 | 12.10 | 4.95 | 9.59 | 4.50 | 0.00 | 0.00 | 27.42 | 58.56 | 14.51 | 5.02 | 12.52 | 5.88 | 0.00 | 0.00 | 35.64 | 73.57 |
| | T15JD011 | 14.81 | 6.06 | 9.59 | 4.50 | 0.00 | 0.00 | 33.58 | 68.54 | 17.77 | 6.14 | 12.52 | 5.88 | 0.00 | 0.00 | 43.64 | 85.95 |
| | T15KM001 | 5.11 | 2.09 | 3.63 | 1.70 | 0.00 | 0.00 | 11.59 | 24.12 | 6.13 | 2.12 | 4.74 | 2.22 | 0.00 | 0.00 | 15.07 | 30.28 |
| | T15KM002 | 5.62 | 2.30 | 3.89 | 1.83 | 0.00 | 0.00 | 12.74 | 26.38 | 6.74 | 2.33 | 5.08 | 2.38 | 0.00 | 0.00 | 16.56 | 33.09 |
| | T15KM003 | 10.12 | 4.14 | 6.74 | 3.16 | 0.00 | 0.00 | 22.95 | 47.11 | 12.15 | 4.20 | 8.80 | 4.13 | 0.00 | 0.00 | 29.83 | 59.11 |
| | T15KM007 | 19.13 | 7.83 | 11.66 | 5.47 | 0.00 | 0.00 | 43.38 | 87.47 | 22.96 | 7.94 | 15.23 | 7.15 | 0.00 | 0.00 | 56.39 | 109.67 |
| | T15KM008 | 15.08 | 9.05 | 16.07 | 5.87 | 0.00 | 0.00 | 26.58 | 72.65 | 18.85 | 9.15 | 20.98 | 7.66 | 0.00 | 0.00 | 36.55 | 93.19 |
| | T15KM011 | 46.46 | 30.02 | 38.39 | 12.01 | 0.00 | 0.00 | 84.45 | 211.33 | 58.69 | 30.31 | 49.54 | 15.50 | 0.00 | 0.00 | 116.43 | 270.47 |
| | T15KM012 | 22.44 | 13.46 | 21.00 | 7.67 | 0.00 | 0.00 | 39.55 | 104.12 | 28.05 | 13.61 | 27.41 | 10.01 | 0.00 | 0.00 | 54.38 | 133.46 |
| | T15KM013 | 14.58 | 5.97 | 9.85 | 4.62 | 0.00 | 0.00 | 33.06 | 68.08 | 17.50 | 6.05 | 12.86 | 6.04 | 0.00 | 0.00 | 42.97 | 85.42 |
| | T15KM014 | 27.99 | 18.09 | 23.44 | 7.33 | 0.00 | 0.00 | 50.88 | 127.73 | 35.36 | 18.26 | 30.24 | 9.46 | 0.00 | 0.00 | 70.15 | 163.47 |
| **T20** | | | | | | | | | | | | | | | | | |
| | T20CA001 | 18.83 | 5.91 | 9.82 | 3.58 | 3.90 | 0.72 | 17.71 | 60.47 | 28.25 | 6.16 | 12.67 | 4.63 | 8.16 | 1.51 | 28.77 | 90.15 |
| | T20CA002 | 27.66 | 8.75 | 14.06 | 5.13 | 7.37 | 1.36 | 26.05 | 90.38 | 41.49 | 9.12 | 18.14 | 6.62 | 15.45 | 2.85 | 42.31 | 135.98 |
| | T20CA003 | 40.62 | 12.93 | 20.09 | 7.33 | 8.25 | 1.52 | 38.29 | 129.03 | 60.93 | 13.49 | 25.92 | 9.46 | 17.30 | 3.19 | 62.19 | 192.48 |
| **T25** | | | | | | | | | | | | | | | | | |
| | T25CA006 | 13.92 | 3.60 | 12.69 | 4.63 | 0.00 | 0.00 | 15.20 | 50.04 | | | | | | | | |
| | T25CA007 | 15.26 | 3.95 | 13.88 | 5.07 | 0.00 | 0.00 | 16.66 | 54.82 | | | | | | | | |
| | T25CA008 | 16.52 | 4.27 | 16.77 | 6.12 | 0.00 | 0.00 | 18.04 | 61.72 | | | | | | | | |
| | T25JD008 | 5.59 | 1.22 | 4.99 | 1.82 | 0.50 | 0.09 | 6.13 | 20.34 | | | | | | | | |
| | T25JD009 | 5.63 | 1.23 | 6.42 | 2.34 | 0.50 | 0.09 | 6.17 | 22.38 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *T25* | *cont.* | | | | | | | | | | | | | | | | |
| | T25JD010 | 8.89 | 1.97 | 7.84 | 2.86 | 1.09 | 0.20 | 9.77 | 32.62 | | | | | | | | |
| | T25JD012 | 11.79 | 2.88 | 14.73 | 5.38 | 4.44 | 0.82 | 13.17 | 53.21 | | | | | | | | |
| | T25JD013 | 15.67 | 3.70 | 20.20 | 7.37 | 4.44 | 0.82 | 17.40 | 69.60 | | | | | | | | |
| | T25JD014 | 12.24 | 2.68 | 9.74 | 3.56 | 1.09 | 0.20 | 13.43 | 42.94 | | | | | | | | |
| T30 | | | | | | | | | | | | | | | | | |
| | T30CS003 | 2.39 | 0.56 | 1.62 | 0.59 | 0.07 | 0.01 | 3.60 | 8.84 | 3.19 | 0.59 | 2.15 | 0.78 | 0.10 | 0.02 | 5.33 | 12.16 |
| | T30CS004 | 2.56 | 0.63 | 1.43 | 0.52 | 0.31 | 0.06 | 3.88 | 9.39 | 3.41 | 0.65 | 1.90 | 0.69 | 0.44 | 0.08 | 5.75 | 12.92 |
| | T30CS005 | 3.21 | 0.78 | 1.62 | 0.59 | 0.31 | 0.06 | 4.85 | 11.42 | 4.28 | 0.81 | 2.15 | 0.78 | 0.44 | 0.08 | 7.19 | 15.73 |
| | T30CS006 | 4.68 | 1.12 | 2.19 | 0.80 | 0.31 | 0.06 | 7.06 | 16.22 | 6.24 | 1.16 | 2.91 | 1.06 | 0.43 | 0.08 | 10.45 | 22.33 |
| | T30CS007 | 5.08 | 1.22 | 2.66 | 0.97 | 0.31 | 0.06 | 7.65 | 17.95 | 6.77 | 1.26 | 3.55 | 1.30 | 0.43 | 0.08 | 11.34 | 24.73 |
| | T30CS008 | 8.63 | 2.06 | 3.75 | 1.37 | 0.46 | 0.08 | 12.99 | 29.34 | 11.51 | 2.13 | 5.01 | 1.83 | 0.66 | 0.12 | 19.25 | 40.51 |
| | T30DW005 | 3.03 | 0.74 | 2.09 | 0.76 | 0.31 | 0.06 | 4.58 | 11.57 | 4.04 | 0.77 | 2.79 | 1.02 | 0.44 | 0.08 | 6.79 | 15.93 |
| | T30DW010 | 11.55 | 2.80 | 5.04 | 1.84 | 1.63 | 0.30 | 17.45 | 40.61 | 15.40 | 2.91 | 6.72 | 2.45 | 2.32 | 0.43 | 25.85 | 56.08 |
| | T30DW011 | 14.27 | 3.31 | 5.04 | 1.84 | 0.00 | 0.00 | 21.37 | 45.83 | 19.03 | 3.44 | 6.72 | 2.45 | 0.00 | 0.00 | 31.65 | 63.29 |
| | T30DW012 | 0.82 | 0.19 | 1.61 | 0.59 | 0.03 | 0.01 | 1.23 | 4.48 | 1.09 | 0.20 | 2.10 | 0.77 | 0.04 | 0.01 | 1.82 | 6.03 |
| | T30DW013 | 1.20 | 0.29 | 2.22 | 0.81 | 0.08 | 0.01 | 1.82 | 6.43 | 1.61 | 0.30 | 2.91 | 1.06 | 0.11 | 0.02 | 2.69 | 8.70 |
| | T30DW014 | 2.81 | 0.69 | 1.66 | 0.61 | 0.31 | 0.06 | 4.25 | 10.39 | 3.75 | 0.71 | 2.22 | 0.81 | 0.43 | 0.08 | 6.30 | 14.30 |
| | T30DW015 | 4.14 | 1.00 | 2.47 | 0.90 | 0.31 | 0.06 | 6.24 | 15.12 | 5.51 | 1.03 | 3.29 | 1.20 | 0.43 | 0.08 | 9.24 | 20.78 |
| | T30DW016 | 4.63 | 1.10 | 2.52 | 0.92 | 0.23 | 0.04 | 6.97 | 16.41 | 6.17 | 1.14 | 3.36 | 1.23 | 0.32 | 0.06 | 10.32 | 22.60 |
| | T30DW017 | 5.30 | 1.27 | 3.52 | 1.29 | 0.31 | 0.06 | 7.99 | 19.74 | 7.07 | 1.31 | 4.69 | 1.71 | 0.43 | 0.08 | 11.83 | 27.12 |
| | T30DW018 | 6.70 | 1.59 | 3.71 | 1.35 | 0.31 | 0.06 | 10.07 | 23.79 | 8.93 | 1.65 | 4.94 | 1.80 | 0.43 | 0.08 | 14.92 | 32.75 |
| | T30TM001 | 24.80 | 5.76 | 8.79 | 3.21 | 0.00 | 0.00 | 37.14 | 79.70 | 33.07 | 5.97 | 11.72 | 4.28 | 0.00 | 0.00 | 55.02 | 110.06 |
| | T30TM002 | 25.23 | 5.86 | 8.79 | 3.21 | 0.00 | 0.00 | 37.79 | 80.88 | 33.64 | 6.08 | 11.72 | 4.28 | 0.00 | 0.00 | 55.98 | 111.70 |
| | T30TM003 | 27.01 | 6.27 | 8.79 | 3.21 | 0.00 | 0.00 | 40.45 | 85.73 | 36.02 | 6.51 | 11.72 | 4.28 | 0.00 | 0.00 | 59.92 | 118.45 |
| | T30TM004 | 26.78 | 6.22 | 8.79 | 3.21 | 0.00 | 0.00 | 40.11 | 85.11 | 35.71 | 6.45 | 11.72 | 4.28 | 0.00 | 0.00 | 59.41 | 117.57 |
| | T30TM005 | 28.15 | 6.54 | 8.79 | 3.21 | 0.00 | 0.00 | 42.15 | 88.84 | 37.53 | 6.78 | 11.72 | 4.28 | 0.00 | 0.00 | 62.44 | 122.75 |
| | T30TM006 | 30.22 | 7.02 | 8.79 | 3.21 | 0.00 | 0.00 | 45.25 | 94.49 | 40.29 | 7.28 | 11.72 | 4.28 | 0.00 | 0.00 | 67.04 | 130.61 |
| | T30TM007 | 33.76 | 7.84 | 11.40 | 4.16 | 0.00 | 0.00 | 50.56 | 107.72 | 45.01 | 8.13 | 15.21 | 5.55 | 0.00 | 0.00 | 74.89 | 148.79 |
| | T30TM008 | 35.07 | 8.14 | 11.40 | 4.16 | 0.00 | 0.00 | 52.51 | 111.28 | 46.76 | 8.45 | 15.21 | 5.55 | 0.00 | 0.00 | 77.79 | 153.76 |
| | T30TM009 | 35.03 | 8.14 | 12.83 | 4.68 | 0.00 | 0.00 | 52.46 | 113.14 | 46.71 | 8.44 | 17.11 | 6.25 | 0.00 | 0.00 | 77.71 | 156.22 |
| | T30TM010 | 39.15 | 9.09 | 12.83 | 4.68 | 0.00 | 0.00 | 58.63 | 124.38 | 52.20 | 9.43 | 17.11 | 6.25 | 0.00 | 0.00 | 86.85 | 171.84 |
| | T30TM012 | 45.99 | 10.68 | 16.63 | 6.07 | 0.00 | 0.00 | 68.86 | 148.23 | 61.31 | 11.08 | 22.18 | 8.10 | 0.00 | 0.00 | 102.01 | 204.68 |
| | T30TM013 | 71.89 | 16.70 | 19.10 | 6.97 | 0.00 | 0.00 | 107.66 | 222.32 | 95.86 | 17.32 | 25.47 | 9.30 | 0.00 | 0.00 | 159.48 | 307.43 |
| | T30TM014 | 70.42 | 16.36 | 23.90 | 8.73 | 0.00 | 0.00 | 105.46 | 224.87 | 93.90 | 16.96 | 31.87 | 11.63 | 0.00 | 0.00 | 156.22 | 310.58 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *T30* | *cont.* | | | | | | | | | | | | | | | | |
| | T30TM015 | 74.44 | 17.29 | 23.90 | 8.73 | 0.00 | 0.00 | 111.48 | 235.84 | 99.26 | 17.93 | 31.87 | 11.63 | 0.00 | 0.00 | 165.14 | 325.83 |
| | T30VE007 | 12.20 | 2.83 | 4.04 | 1.47 | 0.00 | 0.00 | 18.26 | 38.80 | 16.26 | 2.94 | 5.39 | 1.97 | 0.00 | 0.00 | 27.06 | 53.62 |
| | T30VE008 | 20.55 | 4.77 | 6.65 | 2.43 | 0.00 | 0.00 | 30.77 | 65.17 | 27.40 | 4.95 | 8.87 | 3.24 | 0.00 | 0.00 | 45.58 | 90.04 |
| | T30VE009 | 30.28 | 7.03 | 8.55 | 3.12 | 0.00 | 0.00 | 45.35 | 94.33 | 40.38 | 7.29 | 11.40 | 4.16 | 0.00 | 0.00 | 67.18 | 130.41 |
| | T30VE010 | 38.40 | 8.92 | 10.93 | 3.99 | 0.00 | 0.00 | 57.50 | 119.74 | 51.19 | 9.25 | 14.57 | 5.32 | 0.00 | 0.00 | 85.18 | 165.51 |
| **T35** | | | | | | | | | | | | | | | | | |
| | T35CT001 | 18.75 | 4.35 | 6.65 | 2.43 | 0.00 | 0.00 | 28.08 | 60.26 | 25.00 | 4.52 | 8.87 | 3.24 | 0.00 | 0.00 | 41.59 | 83.22 |
| | T35CT002 | 21.73 | 5.05 | 6.65 | 2.43 | 0.00 | 0.00 | 32.54 | 68.40 | 28.97 | 5.23 | 8.87 | 3.24 | 0.00 | 0.00 | 48.20 | 94.51 |
| | T35CT003 | 24.45 | 5.68 | 8.79 | 3.21 | 0.00 | 0.00 | 36.62 | 78.75 | 32.60 | 5.89 | 11.72 | 4.28 | 0.00 | 0.00 | 54.24 | 108.73 |
| | T35CT004 | 23.02 | 5.35 | 4.85 | 1.77 | 0.00 | 0.00 | 34.47 | 69.46 | 30.69 | 5.54 | 6.46 | 2.36 | 0.00 | 0.00 | 51.06 | 96.11 |
| | T35CT005 | 22.87 | 5.31 | 4.85 | 1.77 | 0.00 | 0.00 | 34.25 | 69.05 | 30.50 | 5.51 | 6.46 | 2.36 | 0.00 | 0.00 | 50.74 | 95.57 |
| | T35CT006 | 21.76 | 5.05 | 4.85 | 1.77 | 0.00 | 0.00 | 32.59 | 66.02 | 29.02 | 5.24 | 6.46 | 2.36 | 0.00 | 0.00 | 48.28 | 91.36 |
| | T35CT007 | 24.13 | 5.60 | 4.85 | 1.77 | 0.00 | 0.00 | 36.13 | 72.48 | 32.17 | 5.81 | 6.46 | 2.36 | 0.00 | 0.00 | 53.52 | 100.32 |
| | T35CT008 | 30.69 | 7.13 | 7.13 | 2.60 | 0.00 | 0.00 | 45.96 | 93.51 | 40.92 | 7.39 | 9.50 | 3.47 | 0.00 | 0.00 | 68.08 | 129.36 |
| | T35CT009 | 35.95 | 8.35 | 7.13 | 2.60 | 0.00 | 0.00 | 53.83 | 107.86 | 47.93 | 8.66 | 9.50 | 3.47 | 0.00 | 0.00 | 79.74 | 149.30 |
| | T35CT010 | 35.82 | 8.32 | 7.13 | 2.60 | 0.00 | 0.00 | 53.63 | 107.50 | 47.75 | 8.63 | 9.50 | 3.47 | 0.00 | 0.00 | 79.45 | 148.80 |
| | T35CT011 | 42.56 | 9.88 | 8.32 | 3.04 | 0.00 | 0.00 | 63.73 | 127.53 | 56.74 | 10.25 | 11.09 | 4.05 | 0.00 | 0.00 | 94.40 | 176.53 |
| **T40** | | | | | | | | | | | | | | | | | |
| | T40AH001 | 1.95 | 0.45 | 0.00 | 0.25 | 0.00 | 0.00 | 2.53 | 5.18 | | | | | | | | |
| | T40AH002 | 2.39 | 0.55 | 0.00 | 0.25 | 0.00 | 0.00 | 3.10 | 6.29 | | | | | | | | |
| | T40AH003 | 3.38 | 0.79 | 0.00 | 0.25 | 0.00 | 0.00 | 4.40 | 8.82 | | | | | | | | |
| | T40AH004 | 3.77 | 0.87 | 0.00 | 0.25 | 0.00 | 0.00 | 4.90 | 9.79 | | | | | | | | |
| | T40BD001 | 8.86 | 2.07 | 5.32 | 2.22 | 0.14 | 0.03 | 10.09 | 28.73 | | | | | | | | |
| | T40GN001 | 1.14 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 1.15 | 2.51 | 1.40 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 1.62 | 3.25 |
| | T40KF011 | 0.32 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.31 | 0.70 | | | | | | | | |
| | T40KF013 | 0.34 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.75 | | | | | | | | |
| | T40KF014 | 0.37 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.82 | | | | | | | | |
| | T40KF016 | 0.44 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 0.96 | | | | | | | | |
| | T40KF018 | 0.52 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 1.15 | | | | | | | | |
| | T40KF020 | 0.61 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 1.34 | | | | | | | | |
| | T40KF021 | 0.27 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.63 | | | | | | | | |
| | T40KF022 | 0.50 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.57 | 1.19 | | | | | | | | |
| | T40KF023 | 0.33 | 0.08 | 0.00 | 0.05 | 0.00 | 0.00 | 0.38 | 0.84 | | | | | | | | |
| | T40KF024 | 0.39 | 0.09 | 0.00 | 0.05 | 0.00 | 0.00 | 0.44 | 0.97 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *T40* | *cont.* | | | | | | | | | | | | | | | | |
| | T40LN003 | 3.64 | 0.79 | 0.00 | 0.50 | 0.14 | 0.03 | 3.91 | 9.01 | | | | | | | | |
| | T40LN004 | 2.45 | 0.52 | 0.00 | 0.50 | 0.00 | 0.00 | 2.63 | 6.10 | | | | | | | | |
| | T40LN005 | 2.51 | 0.53 | 0.00 | 0.50 | 0.00 | 0.00 | 2.69 | 6.23 | | | | | | | | |
| | T40LN006 | 2.56 | 0.54 | 0.00 | 0.50 | 0.00 | 0.00 | 2.74 | 6.34 | | | | | | | | |
| | T40LN007 | 2.65 | 0.56 | 0.00 | 0.50 | 0.00 | 0.00 | 2.84 | 6.55 | | | | | | | | |
| | T40LN008 | 2.75 | 0.58 | 0.00 | 0.50 | 0.00 | 0.00 | 2.94 | 6.77 | | | | | | | | |
| | T40LN009 | 2.79 | 0.59 | 0.00 | 0.50 | 0.00 | 0.00 | 2.99 | 6.87 | | | | | | | | |
| | T40LN010 | 2.79 | 0.59 | 0.00 | 0.50 | 0.00 | 0.00 | 2.99 | 6.87 | | | | | | | | |
| | T40LN011 | 2.85 | 0.61 | 0.00 | 0.50 | 0.00 | 0.00 | 3.06 | 7.02 | | | | | | | | |
| | T40MY001 | 0.58 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 1.28 | 0.71 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.82 | 1.65 |
| | T40MY002 | 0.63 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 1.39 | 0.78 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 1.81 |
| | T40MY003 | 0.71 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.72 | 1.57 | 0.87 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 1.01 | 2.02 |
| | T40MY004 | 0.77 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.78 | 1.70 | 0.95 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 2.20 |
| | T40MY005 | 0.87 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.88 | 1.92 | 1.07 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.24 | 2.48 |
| | T40PA001 | 0.80 | 0.19 | 0.00 | 0.24 | 0.00 | 0.00 | 1.04 | 2.27 | | | | | | | | |
| | T40PA002 | 2.46 | 0.57 | 0.00 | 0.24 | 0.00 | 0.00 | 3.20 | 6.47 | | | | | | | | |
| | T40PA003 | 3.50 | 0.81 | 0.00 | 0.26 | 0.00 | 0.00 | 4.55 | 9.12 | | | | | | | | |
| | T40PA004 | 5.29 | 1.23 | 0.00 | 0.26 | 0.00 | 0.00 | 6.88 | 13.66 | | | | | | | | |
| | T40PA005 | 8.22 | 1.91 | 0.00 | 0.27 | 0.00 | 0.00 | 10.68 | 21.08 | | | | | | | | |
| | T40PA006 | 7.76 | 1.80 | 0.00 | 0.27 | 0.00 | 0.00 | 10.08 | 19.91 | | | | | | | | |
| | T40RS001 | 1.67 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 | 3.83 | | | | | | | | |
| | T40RS002 | 1.94 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 2.02 | 4.45 | | | | | | | | |
| | T40RS003 | 2.14 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 2.23 | 4.92 | | | | | | | | |
| | T40WL001 | 11.28 | 2.62 | 6.65 | 2.77 | 0.00 | 0.00 | 12.83 | 36.15 | | | | | | | | |
| **T45** | | | | | | | | | | | | | | | | | |
| | T45EA002 | 0.37 | 0.11 | 0.00 | 0.00 | 0.23 | 0.04 | 0.27 | 1.02 | | | | | | | | |
| | T45EA003 | 0.71 | 0.22 | 0.00 | 0.00 | 0.58 | 0.11 | 0.53 | 2.15 | | | | | | | | |
| | T45EA004 | 0.99 | 0.29 | 0.00 | 0.00 | 0.58 | 0.11 | 0.73 | 2.70 | | | | | | | | |
| | T45EA005 | 1.22 | 0.42 | 0.00 | 0.00 | 1.41 | 0.26 | 0.92 | 4.23 | | | | | | | | |
| | T45EA006 | 2.18 | 0.63 | 0.00 | 0.00 | 1.30 | 0.24 | 1.61 | 5.96 | | | | | | | | |
| | T45EA007 | 3.49 | 1.00 | 0.00 | 0.00 | 1.95 | 0.36 | 2.57 | 9.37 | | | | | | | | |
| | T45FH001 | 2.16 | 0.56 | 0.00 | 0.00 | 0.56 | 0.10 | 2.05 | 5.43 | 2.70 | 0.58 | 0.00 | 0.00 | 0.68 | 0.13 | 2.96 | 7.05 |
| | T45FH002 | 1.50 | 0.40 | 0.00 | 0.00 | 0.52 | 0.10 | 1.10 | 3.62 | | | | | | | | |
| | T45FH003 | 1.54 | 0.41 | 0.00 | 0.00 | 0.52 | 0.10 | 1.13 | 3.70 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***T45*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | T45HA001 | 2.74 | 0.71 | 0.00 | 0.50 | 0.10 | 0.02 | 3.33 | 7.40 | | | | | | | | |
| | T45HA002 | 3.31 | 0.86 | 0.00 | 0.60 | 0.10 | 0.02 | 4.03 | 8.92 | | | | | | | | |
| | T45HA003 | 4.40 | 1.14 | 0.00 | 0.70 | 0.16 | 0.03 | 5.37 | 11.80 | | | | | | | | |
| | T45MY001 | 1.81 | 0.51 | 0.00 | 0.30 | 0.94 | 0.17 | 1.87 | 5.60 | 2.27 | 0.53 | 0.00 | 0.30 | 1.13 | 0.21 | 2.67 | 7.11 |
| | T45MY002 | 1.86 | 0.52 | 0.00 | 0.30 | 0.94 | 0.17 | 1.92 | 5.71 | 2.32 | 0.54 | 0.00 | 0.30 | 1.13 | 0.21 | 2.74 | 7.24 |
| | T45MY003 | 2.15 | 0.59 | 0.00 | 0.30 | 0.94 | 0.17 | 2.21 | 6.36 | 2.68 | 0.61 | 0.00 | 0.30 | 1.13 | 0.21 | 3.15 | 8.08 |
| | T45MY004 | 2.26 | 0.62 | 0.00 | 0.30 | 0.94 | 0.17 | 2.32 | 6.61 | 2.82 | 0.63 | 0.00 | 0.30 | 1.13 | 0.21 | 3.31 | 8.40 |
| | T45MY005 | 2.21 | 0.65 | 0.00 | 0.30 | 1.41 | 0.26 | 2.29 | 7.12 | 2.76 | 0.67 | 0.00 | 0.30 | 1.70 | 0.31 | 3.27 | 9.01 |
| | T45MY006 | 2.28 | 0.67 | 0.00 | 0.30 | 1.41 | 0.26 | 2.36 | 7.28 | 2.85 | 0.68 | 0.00 | 0.30 | 1.70 | 0.31 | 3.37 | 9.21 |
| | T45MY007 | 2.39 | 0.69 | 0.00 | 0.30 | 1.41 | 0.26 | 2.47 | 7.52 | 2.98 | 0.71 | 0.00 | 0.30 | 1.70 | 0.31 | 3.52 | 9.52 |
| | T45MY008 | 1.61 | 0.47 | 0.00 | 0.30 | 0.94 | 0.17 | 1.67 | 5.16 | 2.01 | 0.48 | 0.00 | 0.30 | 1.13 | 0.21 | 2.38 | 6.51 |
| | T45MY009 | 1.66 | 0.48 | 0.00 | 0.30 | 0.94 | 0.17 | 1.71 | 5.26 | 2.07 | 0.49 | 0.00 | 0.30 | 1.13 | 0.21 | 2.45 | 6.65 |
| | T45MY010 | 1.87 | 0.53 | 0.00 | 0.30 | 0.94 | 0.17 | 1.92 | 5.73 | 2.33 | 0.54 | 0.00 | 0.30 | 1.13 | 0.21 | 2.75 | 7.26 |
| | T45MY011 | 1.97 | 0.55 | 0.00 | 0.30 | 0.94 | 0.17 | 2.03 | 5.96 | 2.47 | 0.57 | 0.00 | 0.30 | 1.13 | 0.21 | 2.90 | 7.58 |
| | T45MY012 | 1.96 | 0.59 | 0.00 | 0.30 | 1.41 | 0.26 | 2.03 | 6.55 | 2.45 | 0.61 | 0.00 | 0.30 | 1.70 | 0.31 | 2.91 | 8.28 |
| | T45MY013 | 2.01 | 0.60 | 0.00 | 0.30 | 1.41 | 0.26 | 2.09 | 6.67 | 2.51 | 0.62 | 0.00 | 0.30 | 1.70 | 0.31 | 2.98 | 8.42 |
| | T45MY014 | 2.12 | 0.63 | 0.00 | 0.30 | 1.41 | 0.26 | 2.20 | 6.92 | 2.65 | 0.64 | 0.00 | 0.30 | 1.70 | 0.31 | 3.14 | 8.74 |
| | T45MY015 | 1.79 | 0.51 | 0.00 | 0.40 | 0.94 | 0.17 | 1.71 | 5.52 | 2.23 | 0.52 | 0.00 | 0.40 | 1.13 | 0.21 | 2.47 | 6.96 |
| | T45MY016 | 1.96 | 0.55 | 0.00 | 0.40 | 0.94 | 0.17 | 1.87 | 5.89 | 2.44 | 0.56 | 0.00 | 0.40 | 1.13 | 0.21 | 2.70 | 7.44 |
| | T45MY017 | 2.11 | 0.62 | 0.00 | 0.40 | 1.41 | 0.26 | 2.03 | 6.83 | 2.63 | 0.64 | 0.00 | 0.40 | 1.70 | 0.31 | 2.92 | 8.60 |
| | T45MY018 | 1.60 | 0.40 | 0.00 | 0.40 | 0.94 | 0.17 | 1.43 | 4.94 | | | | | | | | |
| | T45TT001 | 0.31 | 0.08 | 0.00 | 0.00 | 0.10 | 0.02 | 0.22 | 0.73 | | | | | | | | |
| | T45TT002 | 0.34 | 0.09 | 0.00 | 0.00 | 0.10 | 0.02 | 0.25 | 0.80 | | | | | | | | |
| | T45TT003 | 0.37 | 0.10 | 0.00 | 0.00 | 0.13 | 0.02 | 0.27 | 0.89 | | | | | | | | |
| | T45TT004 | 0.43 | 0.11 | 0.00 | 0.00 | 0.13 | 0.02 | 0.31 | 1.00 | | | | | | | | |
| | T45TT005 | 0.61 | 0.16 | 0.00 | 0.00 | 0.13 | 0.02 | 0.44 | 1.36 | | | | | | | | |
| | T45WR001 | 3.89 | 1.27 | 0.00 | 0.50 | 0.48 | 0.09 | 4.77 | 11.00 | | | | | | | | |
| | T45WR002 | 5.65 | 1.83 | 0.00 | 0.60 | 0.48 | 0.09 | 6.91 | 15.56 | | | | | | | | |
| | T45WR003 | 4.87 | 1.58 | 0.00 | 0.60 | 0.48 | 0.09 | 5.96 | 13.58 | | | | | | | | |
| | T45WR004 | 3.87 | 1.27 | 0.00 | 0.60 | 0.48 | 0.09 | 4.75 | 11.06 | | | | | | | | |
| | T45WR005 | 3.84 | 1.26 | 0.00 | 0.50 | 0.48 | 0.09 | 4.71 | 10.88 | | | | | | | | |
| | T45XX001 | 3.18 | 0.79 | 0.00 | 0.40 | 0.48 | 0.09 | 3.24 | 8.18 | 3.98 | 0.82 | 0.00 | 0.40 | 0.58 | 0.11 | 4.62 | 10.51 |
| | T45XX002 | 3.80 | 0.94 | 0.00 | 0.40 | 0.48 | 0.09 | 3.86 | 9.57 | 4.76 | 0.97 | 0.00 | 0.40 | 0.58 | 0.11 | 5.52 | 12.34 |
| | T45XX003 | 3.86 | 0.95 | 0.00 | 0.40 | 0.48 | 0.09 | 3.92 | 9.70 | 4.82 | 0.98 | 0.00 | 0.40 | 0.58 | 0.11 | 5.60 | 12.49 |
| | T45XX004 | 4.45 | 1.14 | 0.00 | 0.40 | 0.94 | 0.17 | 4.53 | 11.63 | 5.56 | 1.16 | 0.00 | 0.40 | 1.13 | 0.21 | 6.48 | 14.94 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***T45*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | T45XX005 | 5.38 | 1.33 | 0.00 | 0.40 | 0.70 | 0.13 | 5.46 | 13.40 | 6.72 | 1.37 | 0.00 | 0.40 | 0.84 | 0.15 | 7.80 | 17.28 |
| | T45XX006 | 10.55 | 2.81 | 0.00 | 0.40 | 7.06 | 1.30 | 10.80 | 32.92 | 13.19 | 2.88 | 0.00 | 0.40 | 8.50 | 1.57 | 15.43 | 41.97 |
| | T45XX007 | 11.93 | 3.14 | 0.00 | 0.40 | 7.06 | 1.30 | 12.20 | 36.03 | 14.91 | 3.22 | 0.00 | 0.40 | 8.50 | 1.57 | 17.43 | 46.03 |
| | T45XX008 | 4.27 | 1.05 | 0.00 | 0.40 | 0.48 | 0.09 | 4.02 | 10.31 | 5.34 | 1.08 | 0.00 | 0.40 | 0.58 | 0.11 | 5.80 | 13.31 |
| | T45XX009 | 3.07 | 0.64 | 0.00 | 0.40 | 0.48 | 0.09 | 2.68 | 7.36 | | | | | | | | |
| | T45XX010 | 3.10 | 0.65 | 0.00 | 0.40 | 0.48 | 0.09 | 2.71 | 7.43 | | | | | | | | |
| | T45XX011 | 2.45 | 0.62 | 0.00 | 0.40 | 0.44 | 0.08 | 1.78 | 5.77 | | | | | | | | |
| | T45XX012 | 2.77 | 0.69 | 0.00 | 0.40 | 0.40 | 0.07 | 2.01 | 6.34 | | | | | | | | |
| | T45XX013 | 3.01 | 0.75 | 0.00 | 0.40 | 0.48 | 0.09 | 2.19 | 6.92 | | | | | | | | |
| | T45XX014 | 3.43 | 0.87 | 0.00 | 0.50 | 0.66 | 0.12 | 2.50 | 8.08 | | | | | | | | |
| | T45XX015 | 3.62 | 0.91 | 0.00 | 0.50 | 0.60 | 0.11 | 2.63 | 8.37 | | | | | | | | |
| | T45XX016 | 4.15 | 1.05 | 0.00 | 0.50 | 0.72 | 0.13 | 3.02 | 9.57 | | | | | | | | |
| | T45XX017 | 4.37 | 1.13 | 0.00 | 0.50 | 1.10 | 0.20 | 3.19 | 10.49 | | | | | | | | |
| | T45XX018 | 5.39 | 1.37 | 0.00 | 0.50 | 1.10 | 0.20 | 3.92 | 12.48 | | | | | | | | |
| | T45XX019 | 5.58 | 1.42 | 0.00 | 0.50 | 1.10 | 0.20 | 4.06 | 12.86 | | | | | | | | |
| | T45XX020 | 6.48 | 1.62 | 0.00 | 0.60 | 0.96 | 0.18 | 4.71 | 14.55 | | | | | | | | |
| | T45XX021 | 6.90 | 1.74 | 0.00 | 0.60 | 1.26 | 0.23 | 5.02 | 15.75 | | | | | | | | |
| | T45XX022 | 7.68 | 1.95 | 0.00 | 0.60 | 1.46 | 0.27 | 5.58 | 17.54 | | | | | | | | |
| | T45XX023 | 8.82 | 2.26 | 0.00 | 0.60 | 1.92 | 0.35 | 6.42 | 20.37 | | | | | | | | |
| | T45XX024 | 2.07 | 0.53 | 0.00 | 0.09 | 0.48 | 0.09 | 1.51 | 4.77 | | | | | | | | |
| | T45XX025 | 1.99 | 0.51 | 0.00 | 4.00 | 0.48 | 0.09 | 1.45 | 8.52 | | | | | | | | |
| | T45XX026 | 1.30 | 0.34 | 0.00 | 0.40 | 0.32 | 0.06 | 0.94 | 3.36 | | | | | | | | |
| | T45XX027 | 1.45 | 0.38 | 0.00 | 0.40 | 0.45 | 0.08 | 1.06 | 3.82 | | | | | | | | |
| | T45XX028 | 1.54 | 0.42 | 0.00 | 0.40 | 0.58 | 0.11 | 1.13 | 4.18 | | | | | | | | |
| | T45XX029 | 3.26 | 1.05 | 2.99 | 0.94 | 0.24 | 0.04 | 3.41 | 11.93 | | | | | | | | |
| | T45XX030 | 3.37 | 1.11 | 2.99 | 0.94 | 0.48 | 0.09 | 3.55 | 12.53 | | | | | | | | |
| | T45XX031 | 3.53 | 1.16 | 2.99 | 0.94 | 0.48 | 0.09 | 3.72 | 12.91 | | | | | | | | |
| **T50** | | | | | | | | | | | | | | | | | |
| | T50FO001 | 1.42 | 0.34 | 3.33 | 1.22 | 0.18 | 0.03 | 1.59 | 8.11 | 1.75 | 0.35 | 4.45 | 1.62 | 0.23 | 0.04 | 2.09 | 10.53 |
| | T50FO002 | 1.67 | 0.40 | 3.33 | 1.22 | 0.21 | 0.04 | 1.86 | 8.73 | 2.05 | 0.41 | 4.45 | 1.62 | 0.28 | 0.05 | 2.45 | 11.31 |
| | T50FO003 | 1.53 | 0.38 | 3.33 | 1.22 | 0.32 | 0.06 | 1.72 | 8.56 | 1.89 | 0.38 | 4.45 | 1.62 | 0.40 | 0.07 | 2.27 | 11.08 |
| | T50FO004 | 1.78 | 0.43 | 3.90 | 1.42 | 0.38 | 0.07 | 1.99 | 9.97 | 2.19 | 0.44 | 5.21 | 1.90 | 0.50 | 0.09 | 2.63 | 12.96 |
| | T50FO005 | 1.81 | 0.45 | 3.90 | 1.42 | 0.51 | 0.09 | 2.03 | 10.21 | 2.22 | 0.46 | 5.21 | 1.90 | 0.65 | 0.12 | 2.68 | 13.24 |
| | T50FO006 | 1.88 | 0.56 | 11.64 | 4.55 | 0.35 | 0.06 | 1.95 | 20.99 | 2.35 | 0.57 | 15.30 | 5.98 | 0.44 | 0.08 | 2.63 | 27.35 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *T50* | *cont.* | | | | | | | | | | | | | | | | |
| | T50FO007 | 2.03 | 0.60 | 6.12 | 2.07 | 0.35 | 0.06 | 2.11 | 13.34 | 2.54 | 0.61 | 8.16 | 2.77 | 0.44 | 0.08 | 2.84 | 17.44 |
| | T50FO008 | 1.97 | 0.58 | 7.67 | 2.60 | 0.35 | 0.06 | 2.05 | 15.28 | 2.46 | 0.60 | 10.22 | 3.46 | 0.44 | 0.08 | 2.76 | 20.02 |
| | T50FO009 | 2.17 | 0.64 | 7.78 | 2.64 | 0.35 | 0.06 | 2.25 | 15.89 | 2.71 | 0.65 | 10.37 | 3.52 | 0.44 | 0.08 | 3.03 | 20.80 |
| | T50FO010 | 2.62 | 0.77 | 10.64 | 4.16 | 0.42 | 0.08 | 2.72 | 21.41 | 3.28 | 0.79 | 13.98 | 5.47 | 0.53 | 0.10 | 3.67 | 27.82 |
| | T50FO011 | 2.92 | 0.88 | 7.56 | 2.56 | 0.72 | 0.13 | 3.05 | 17.82 | 3.66 | 0.90 | 10.08 | 3.42 | 0.92 | 0.17 | 4.11 | 23.26 |
| | T50FO013 | 4.07 | 1.42 | 10.92 | 3.99 | 0.84 | 0.15 | 4.23 | 25.62 | 4.88 | 1.44 | 13.86 | 5.06 | 1.08 | 0.20 | 5.85 | 32.37 |
| | T50FO014 | 4.18 | 1.46 | 10.92 | 3.99 | 0.89 | 0.16 | 4.35 | 25.95 | 5.02 | 1.49 | 13.86 | 5.06 | 1.14 | 0.21 | 6.02 | 32.80 |
| | T50FO015 | 4.01 | 1.41 | 10.92 | 3.99 | 0.89 | 0.16 | 4.17 | 25.55 | 4.82 | 1.43 | 13.86 | 5.06 | 1.14 | 0.21 | 5.78 | 32.30 |
| | T50FO017 | 7.00 | 2.45 | 13.52 | 4.94 | 1.55 | 0.29 | 7.27 | 37.02 | 8.40 | 2.49 | 17.16 | 6.26 | 2.00 | 0.37 | 10.07 | 46.75 |
| | T50FO018 | 7.18 | 2.52 | 13.52 | 4.94 | 1.62 | 0.30 | 7.46 | 37.54 | 8.61 | 2.55 | 17.16 | 6.26 | 2.07 | 0.38 | 10.33 | 47.36 |
| | T50FO019 | 6.94 | 2.44 | 13.52 | 4.94 | 1.62 | 0.30 | 7.22 | 36.98 | 8.33 | 2.48 | 17.16 | 6.26 | 2.07 | 0.38 | 10.00 | 46.68 |
| | T50GM001 | 1.09 | 0.26 | 2.62 | 0.96 | 0.18 | 0.03 | 1.22 | 6.36 | 1.34 | 0.27 | 3.50 | 1.28 | 0.23 | 0.04 | 1.61 | 8.27 |
| | T50GM002 | 1.34 | 0.32 | 3.14 | 1.15 | 0.18 | 0.03 | 1.49 | 7.65 | 1.64 | 0.33 | 4.18 | 1.53 | 0.23 | 0.04 | 1.97 | 9.92 |
| | T50GM003 | 1.41 | 0.34 | 3.99 | 1.46 | 0.18 | 0.03 | 1.58 | 8.99 | 1.74 | 0.35 | 5.32 | 1.94 | 0.23 | 0.04 | 2.08 | 11.70 |
| | T50GM004 | 2.63 | 0.62 | 4.70 | 1.72 | 0.18 | 0.03 | 2.93 | 12.81 | 3.24 | 0.64 | 6.27 | 2.29 | 0.23 | 0.04 | 3.86 | 16.57 |
| | T50GM005 | 2.88 | 0.68 | 4.70 | 1.72 | 0.21 | 0.04 | 3.21 | 13.44 | 3.55 | 0.70 | 6.27 | 2.29 | 0.28 | 0.05 | 4.23 | 17.37 |
| | T50GM006 | 1.70 | 0.41 | 4.70 | 1.72 | 0.27 | 0.05 | 1.90 | 10.75 | 2.09 | 0.42 | 6.27 | 2.29 | 0.34 | 0.06 | 2.51 | 13.98 |
| | T50GM007 | 1.96 | 0.47 | 4.70 | 1.72 | 0.32 | 0.06 | 2.19 | 11.42 | 2.41 | 0.48 | 6.27 | 2.29 | 0.43 | 0.08 | 2.89 | 14.85 |
| | T50GM008 | 1.70 | 0.41 | 4.70 | 1.72 | 0.32 | 0.06 | 1.91 | 10.82 | 2.09 | 0.42 | 6.27 | 2.29 | 0.40 | 0.07 | 2.51 | 14.05 |
| | T50GM009 | 1.96 | 0.47 | 4.70 | 1.72 | 0.38 | 0.07 | 2.19 | 11.49 | 2.41 | 0.49 | 6.27 | 2.29 | 0.50 | 0.09 | 2.89 | 14.94 |
| | T50GM011 | 2.15 | 0.64 | 13.97 | 5.46 | 0.35 | 0.06 | 2.23 | 24.86 | 2.69 | 0.65 | 18.35 | 7.18 | 0.44 | 0.08 | 3.01 | 32.40 |
| | T50GM012 | 2.50 | 0.74 | 6.12 | 2.07 | 0.35 | 0.06 | 2.60 | 14.44 | 3.13 | 0.75 | 8.16 | 2.77 | 0.44 | 0.08 | 3.50 | 18.83 |
| | T50GM013 | 2.15 | 0.64 | 13.97 | 5.46 | 0.42 | 0.08 | 2.24 | 24.96 | 2.69 | 0.66 | 18.35 | 7.18 | 0.53 | 0.10 | 3.02 | 32.53 |
| | T50GM014 | 2.52 | 0.75 | 6.12 | 2.07 | 0.56 | 0.10 | 2.62 | 14.74 | 3.14 | 0.77 | 8.16 | 2.77 | 0.70 | 0.13 | 3.53 | 19.20 |
| | T50GM015 | 2.92 | 1.04 | 24.23 | 10.11 | 0.97 | 0.18 | 3.05 | 42.50 | 3.51 | 1.06 | 31.49 | 13.14 | 1.25 | 0.23 | 4.23 | 54.91 |
| | T50GM016 | 3.45 | 1.22 | 11.18 | 4.08 | 0.97 | 0.18 | 3.59 | 24.67 | 4.14 | 1.24 | 14.19 | 5.18 | 1.25 | 0.23 | 4.98 | 31.21 |
| | T50GM017 | 1.63 | 0.48 | 4.86 | 1.65 | 0.22 | 0.04 | 1.69 | 10.57 | 2.04 | 0.49 | 6.48 | 2.20 | 0.28 | 0.05 | 2.28 | 13.82 |
| | T50HN001 | 2.26 | 0.67 | 6.05 | 2.05 | 0.39 | 0.07 | 2.35 | 13.84 | 2.82 | 0.68 | 8.06 | 2.73 | 0.50 | 0.09 | 3.16 | 18.04 |
| | T50HN002 | 2.42 | 0.71 | 6.05 | 2.05 | 0.39 | 0.07 | 2.51 | 14.20 | 3.02 | 0.73 | 8.06 | 2.73 | 0.50 | 0.09 | 3.38 | 18.51 |
| | T50HN003 | 3.14 | 0.92 | 7.20 | 2.44 | 0.47 | 0.09 | 3.25 | 17.51 | 3.92 | 0.94 | 9.60 | 3.25 | 0.60 | 0.11 | 4.38 | 22.80 |
| | T50HN004 | 3.19 | 0.98 | 7.20 | 2.44 | 1.09 | 0.20 | 3.34 | 18.44 | 3.99 | 1.00 | 9.60 | 3.25 | 1.38 | 0.25 | 4.50 | 23.97 |
| | T50HN005 | 3.61 | 1.10 | 7.20 | 2.44 | 1.09 | 0.20 | 3.77 | 19.41 | 4.51 | 1.13 | 9.60 | 3.25 | 1.38 | 0.25 | 5.08 | 25.20 |
| | T50HN006 | 3.39 | 1.21 | 13.10 | 4.78 | 1.10 | 0.20 | 3.54 | 27.32 | 4.07 | 1.23 | 16.63 | 6.07 | 1.41 | 0.26 | 4.90 | 34.57 |
| | T50HN007 | 3.77 | 1.34 | 11.70 | 4.27 | 1.10 | 0.20 | 3.93 | 26.31 | 4.53 | 1.36 | 14.85 | 5.42 | 1.41 | 0.26 | 5.44 | 33.27 |
| | T50IT002 | 3.02 | 0.88 | 6.30 | 2.14 | 0.35 | 0.06 | 3.13 | 15.88 | 3.77 | 0.90 | 8.40 | 2.85 | 0.44 | 0.08 | 4.21 | 20.65 |

## Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *T50* | *cont.* | | | | | | | | | | | | | | | | |
| | T50IT003 | 3.70 | 1.08 | 7.02 | 2.38 | 0.35 | 0.06 | 3.83 | 18.42 | 4.63 | 1.10 | 9.36 | 3.17 | 0.44 | 0.08 | 5.16 | 23.94 |
| | T50IT004 | 4.54 | 1.59 | 10.14 | 3.70 | 0.97 | 0.18 | 4.71 | 25.83 | 5.45 | 1.61 | 12.87 | 4.70 | 1.25 | 0.23 | 6.53 | 32.64 |
| | T50IT005 | 7.89 | 2.71 | 14.30 | 5.22 | 0.97 | 0.18 | 8.17 | 39.44 | 9.47 | 2.75 | 18.15 | 6.63 | 1.25 | 0.23 | 11.32 | 49.80 |
| | T50IT007 | 9.99 | 3.42 | 14.30 | 5.22 | 0.97 | 0.18 | 10.33 | 44.41 | 11.99 | 3.47 | 18.15 | 6.63 | 1.25 | 0.23 | 14.31 | 56.03 |
| | T50IT008 | 5.75 | 1.99 | 10.14 | 3.70 | 0.97 | 0.18 | 5.96 | 28.69 | 6.90 | 2.02 | 12.87 | 4.70 | 1.25 | 0.23 | 8.26 | 36.23 |
| | T50IT010 | 5.55 | 1.99 | 14.30 | 5.22 | 1.91 | 0.35 | 5.79 | 35.11 | 6.66 | 2.02 | 18.15 | 6.63 | 2.47 | 0.46 | 8.03 | 44.42 |
| | T50IT011 | 7.06 | 2.49 | 14.56 | 5.32 | 1.91 | 0.35 | 7.35 | 39.04 | 8.48 | 2.53 | 18.48 | 6.75 | 2.47 | 0.46 | 10.18 | 49.35 |
| | T50IT012 | 8.00 | 2.81 | 14.56 | 5.32 | 1.91 | 0.35 | 8.31 | 41.26 | 9.59 | 2.85 | 18.48 | 6.75 | 2.47 | 0.46 | 11.51 | 52.11 |
| | T50KE001 | 6.02 | 2.06 | 17.16 | 6.26 | 0.61 | 0.11 | 6.22 | 38.44 | 7.22 | 2.09 | 21.78 | 7.95 | 0.78 | 0.14 | 8.62 | 48.58 |
| | T50KE002 | 6.14 | 2.10 | 17.16 | 6.26 | 0.61 | 0.11 | 6.35 | 38.73 | 7.37 | 2.13 | 21.78 | 7.95 | 0.78 | 0.14 | 8.80 | 48.95 |
| | T50KE003 | 7.08 | 2.44 | 17.16 | 6.26 | 1.06 | 0.20 | 7.33 | 41.53 | 8.49 | 2.48 | 21.78 | 7.95 | 1.36 | 0.25 | 10.15 | 52.46 |
| | T50KE004 | 6.61 | 2.29 | 17.16 | 6.26 | 1.06 | 0.20 | 6.85 | 40.43 | 7.93 | 2.32 | 21.78 | 7.95 | 1.36 | 0.25 | 9.49 | 51.08 |
| | T50KE005 | 6.55 | 2.27 | 17.16 | 6.26 | 1.06 | 0.20 | 6.79 | 40.29 | 7.86 | 2.30 | 21.78 | 7.95 | 1.36 | 0.25 | 9.41 | 50.91 |
| | T50MH001 | 2.01 | 0.60 | 4.86 | 1.65 | 0.39 | 0.07 | 2.09 | 11.67 | 2.52 | 0.61 | 6.48 | 2.20 | 0.50 | 0.09 | 2.82 | 15.22 |
| | T50MH002 | 2.08 | 0.62 | 4.86 | 1.65 | 0.39 | 0.07 | 2.17 | 11.84 | 2.60 | 0.63 | 6.48 | 2.20 | 0.50 | 0.09 | 2.92 | 15.42 |
| | T50MH003 | 2.79 | 0.82 | 6.30 | 2.14 | 0.39 | 0.07 | 2.89 | 15.40 | 3.48 | 0.84 | 8.40 | 2.85 | 0.50 | 0.09 | 3.90 | 20.06 |
| | T50MH004 | 3.33 | 0.99 | 7.20 | 2.44 | 0.66 | 0.12 | 3.47 | 18.21 | 4.17 | 1.01 | 9.60 | 3.25 | 0.83 | 0.15 | 4.67 | 23.68 |
| | T50MH005 | 3.59 | 1.05 | 7.20 | 2.44 | 0.46 | 0.08 | 3.72 | 18.54 | 4.49 | 1.08 | 9.60 | 3.25 | 0.58 | 0.11 | 5.02 | 24.13 |
| | T50MH006 | 3.74 | 1.14 | 7.20 | 2.44 | 1.09 | 0.20 | 3.91 | 19.72 | 4.67 | 1.16 | 9.60 | 3.25 | 1.38 | 0.25 | 5.26 | 25.57 |
| | T50MH007 | 3.06 | 1.10 | 10.40 | 3.80 | 1.10 | 0.20 | 3.20 | 22.86 | 3.67 | 1.12 | 13.20 | 4.82 | 1.41 | 0.26 | 4.43 | 28.91 |
| | T50MH008 | 3.21 | 1.15 | 11.96 | 4.37 | 1.10 | 0.20 | 3.35 | 25.34 | 3.85 | 1.17 | 15.18 | 5.54 | 1.41 | 0.26 | 4.64 | 32.05 |
| | T50MH009 | 2.38 | 0.70 | 5.22 | 1.77 | 0.39 | 0.07 | 2.47 | 13.00 | 2.97 | 0.72 | 6.96 | 2.36 | 0.49 | 0.09 | 3.32 | 16.91 |
| | T50MH010 | 2.39 | 0.70 | 4.86 | 1.65 | 0.38 | 0.07 | 2.48 | 12.53 | 2.98 | 0.72 | 6.48 | 2.20 | 0.47 | 0.09 | 3.34 | 16.28 |
| | T50MH011 | 3.57 | 1.27 | 11.96 | 4.37 | 1.10 | 0.20 | 3.73 | 26.20 | 4.29 | 1.29 | 15.18 | 5.54 | 1.41 | 0.26 | 5.16 | 33.13 |
| | T50MT007 | 7.48 | 2.54 | 15.60 | 5.70 | 0.43 | 0.08 | 7.72 | 39.55 | 8.97 | 2.58 | 19.80 | 7.23 | 0.54 | 0.10 | 10.69 | 49.91 |
| | T50MT008 | 7.48 | 2.54 | 15.60 | 5.70 | 0.43 | 0.08 | 7.72 | 39.55 | 8.97 | 2.58 | 19.80 | 7.23 | 0.54 | 0.10 | 10.69 | 49.91 |
| | T50MT012 | 5.53 | 1.88 | 18.20 | 6.64 | 0.43 | 0.08 | 5.71 | 38.47 | 6.63 | 1.91 | 23.10 | 8.43 | 0.54 | 0.10 | 7.91 | 48.62 |
| | T50MT013 | 7.71 | 2.62 | 18.20 | 6.64 | 0.43 | 0.08 | 7.96 | 43.64 | 9.25 | 2.66 | 23.10 | 8.43 | 0.54 | 0.10 | 11.02 | 55.10 |
| | T50MT014 | 7.97 | 2.72 | 15.60 | 5.70 | 0.74 | 0.14 | 8.24 | 41.11 | 9.56 | 2.76 | 19.80 | 7.23 | 0.95 | 0.18 | 11.41 | 51.89 |
| | T50MT015 | 8.72 | 2.97 | 15.60 | 5.70 | 0.74 | 0.14 | 9.01 | 42.88 | 10.47 | 3.02 | 19.80 | 7.23 | 0.95 | 0.18 | 12.48 | 54.13 |
| | T50MT016 | 6.63 | 2.26 | 20.80 | 7.59 | 0.61 | 0.11 | 6.85 | 44.85 | 7.95 | 2.30 | 26.40 | 9.64 | 0.78 | 0.14 | 9.49 | 56.70 |
| | T50PE002 | 6.46 | 2.29 | 18.20 | 6.64 | 1.91 | 0.35 | 6.73 | 42.58 | 7.75 | 2.33 | 23.10 | 8.43 | 2.47 | 0.46 | 9.32 | 53.86 |
| | T50PE003 | 6.80 | 2.41 | 18.20 | 6.64 | 1.91 | 0.35 | 7.08 | 43.39 | 8.16 | 2.44 | 23.10 | 8.43 | 2.47 | 0.46 | 9.81 | 54.87 |
| | T50PE004 | 6.65 | 2.36 | 18.20 | 6.64 | 1.91 | 0.35 | 6.93 | 43.04 | 7.98 | 2.39 | 23.10 | 8.43 | 2.47 | 0.46 | 9.60 | 54.43 |
| | T50PE005 | 6.27 | 2.23 | 18.20 | 6.64 | 1.91 | 0.35 | 6.53 | 42.13 | 7.52 | 2.26 | 23.10 | 8.43 | 2.47 | 0.46 | 9.05 | 53.29 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *T50* | *cont.* | | | | | | | | | | | | | | | | |
| | T50PE006 | 6.00 | 2.14 | 15.60 | 5.70 | 1.91 | 0.35 | 6.26 | 37.96 | 7.20 | 2.17 | 19.80 | 7.23 | 2.47 | 0.46 | 8.67 | 48.00 |
| | T50PE007 | 6.46 | 2.22 | 18.20 | 6.64 | 0.70 | 0.13 | 6.69 | 41.04 | 7.75 | 2.25 | 23.10 | 8.43 | 0.89 | 0.16 | 9.26 | 51.84 |
| T55 | | | | | | | | | | | | | | | | | |
| | T55CA001 | 13.52 | 10.22 | 11.66 | 5.16 | 12.70 | 2.34 | 12.57 | 68.17 | 16.90 | 10.30 | 14.90 | 6.60 | 21.16 | 3.90 | 18.33 | 92.09 |
| | T55CA002 | 19.43 | 14.76 | 16.85 | 7.46 | 11.56 | 2.13 | 18.07 | 90.26 | 24.29 | 14.89 | 21.53 | 9.53 | 19.28 | 3.56 | 26.36 | 119.44 |
| | T55CA003 | 29.33 | 22.25 | 22.55 | 9.99 | 16.82 | 3.10 | 27.28 | 131.32 | 36.66 | 22.44 | 28.81 | 12.76 | 28.04 | 5.17 | 39.78 | 173.66 |
| | T55CA007 | 14.45 | 10.90 | 11.66 | 5.16 | 12.70 | 2.34 | 13.43 | 70.64 | 18.07 | 10.99 | 14.90 | 6.60 | 21.16 | 3.90 | 19.59 | 95.21 |
| | T55CA008 | 8.61 | 6.47 | 6.74 | 2.98 | 6.48 | 1.20 | 8.00 | 40.48 | 10.76 | 6.53 | 8.61 | 3.81 | 10.61 | 1.96 | 11.66 | 53.94 |
| | T55CA009 | 10.07 | 7.59 | 7.39 | 3.27 | 8.18 | 1.51 | 9.35 | 47.36 | 12.58 | 7.65 | 9.44 | 4.18 | 13.40 | 2.47 | 13.64 | 63.36 |
| | T55CA010 | 26.10 | 7.02 | 8.01 | 1.97 | 7.56 | 1.39 | 24.25 | 76.30 | 32.63 | 7.19 | 9.55 | 2.35 | 12.60 | 2.32 | 35.37 | 102.01 |
| | T55CA011 | 30.75 | 8.29 | 9.73 | 2.39 | 9.62 | 1.77 | 28.58 | 91.13 | 38.44 | 8.50 | 11.61 | 2.86 | 16.04 | 2.96 | 41.69 | 122.10 |
| | T55CA012 | 36.41 | 9.75 | 10.67 | 2.62 | 9.54 | 1.76 | 33.81 | 104.56 | 45.51 | 10.00 | 12.72 | 3.13 | 15.92 | 2.94 | 49.31 | 139.53 |
| | T55CA013 | 36.67 | 9.93 | 14.41 | 3.54 | 13.08 | 2.41 | 34.11 | 114.15 | 45.84 | 10.18 | 17.19 | 4.23 | 21.91 | 4.04 | 49.75 | 153.14 |
| | T55EU006 | 9.70 | 7.44 | 13.61 | 6.03 | 6.91 | 1.27 | 9.04 | 54.00 | 12.13 | 7.50 | 17.39 | 7.70 | 11.52 | 2.13 | 13.18 | 71.55 |
| | T55EU007 | 12.82 | 9.98 | 18.14 | 8.03 | 11.56 | 2.13 | 11.97 | 74.63 | 16.03 | 10.06 | 23.18 | 10.26 | 19.28 | 3.56 | 17.46 | 99.83 |
| | T55EU008 | 14.05 | 10.86 | 19.70 | 8.72 | 11.56 | 2.13 | 13.10 | 80.12 | 17.56 | 10.95 | 25.17 | 11.15 | 19.28 | 3.56 | 19.11 | 106.78 |
| | T55EU009 | 18.73 | 14.57 | 27.22 | 12.05 | 16.82 | 3.10 | 17.49 | 109.98 | 23.42 | 14.69 | 34.78 | 15.40 | 28.04 | 5.17 | 25.51 | 147.01 |
| | T55JD001 | 19.62 | 5.41 | 8.87 | 2.18 | 9.62 | 1.77 | 18.30 | 65.77 | 24.52 | 5.55 | 10.58 | 2.60 | 16.04 | 2.96 | 26.69 | 88.94 |
| | T55JD002 | 22.80 | 6.24 | 9.40 | 2.31 | 9.62 | 1.77 | 21.24 | 73.38 | 28.50 | 6.39 | 11.20 | 2.76 | 16.04 | 2.96 | 30.98 | 98.83 |
| | T55JD003 | 30.12 | 8.26 | 12.54 | 3.08 | 13.38 | 2.47 | 28.07 | 97.92 | 37.65 | 8.47 | 14.95 | 3.68 | 22.30 | 4.11 | 40.94 | 132.10 |
| | T55JD004 | 33.56 | 9.27 | 15.35 | 3.78 | 16.75 | 3.09 | 31.31 | 113.11 | 41.95 | 9.50 | 18.30 | 4.50 | 27.92 | 5.15 | 45.67 | 152.99 |
| | T55KM009 | 13.62 | 10.29 | 12.65 | 5.60 | 12.70 | 2.34 | 12.66 | 69.86 | 17.03 | 10.38 | 16.16 | 7.16 | 21.16 | 3.90 | 18.46 | 94.25 |
| | T55KM010 | 19.84 | 15.05 | 18.53 | 8.21 | 20.32 | 3.75 | 18.45 | 104.15 | 24.80 | 15.18 | 23.68 | 10.49 | 33.86 | 6.25 | 26.92 | 141.18 |
| | T55KM011 | 21.50 | 16.25 | 18.53 | 8.21 | 20.32 | 3.75 | 19.98 | 108.54 | 26.87 | 16.39 | 23.68 | 10.49 | 33.86 | 6.25 | 29.14 | 146.68 |
| | T55KM012 | 28.38 | 21.56 | 28.05 | 12.42 | 16.82 | 3.10 | 26.40 | 136.73 | 35.47 | 21.74 | 35.84 | 15.87 | 28.04 | 5.17 | 38.50 | 180.63 |
| | T55KM013 | 46.73 | 35.73 | 38.52 | 17.06 | 31.55 | 5.82 | 43.51 | 218.92 | 58.41 | 36.03 | 49.22 | 21.79 | 52.60 | 9.70 | 63.47 | 291.22 |
| | T55KM014 | 54.51 | 42.29 | 51.84 | 22.95 | 47.21 | 8.71 | 50.87 | 278.38 | 68.13 | 42.64 | 66.24 | 29.33 | 78.70 | 14.52 | 74.20 | 373.76 |
| | T55UN002 | 24.63 | 19.61 | 31.10 | 13.77 | 29.97 | 5.53 | 23.08 | 147.69 | 30.78 | 19.78 | 39.74 | 17.60 | 49.97 | 9.22 | 33.66 | 200.75 |
| | T55UN003 | 30.74 | 24.34 | 41.47 | 18.36 | 35.08 | 6.47 | 28.78 | 185.24 | 38.42 | 24.55 | 52.99 | 23.46 | 58.49 | 10.79 | 41.98 | 250.68 |
| | T55UN004 | 25.17 | 20.10 | 34.99 | 15.49 | 31.55 | 5.82 | 23.60 | 156.72 | 31.46 | 20.27 | 44.71 | 19.80 | 52.60 | 9.70 | 34.42 | 212.96 |
| | T55UN005 | 32.96 | 27.04 | 46.66 | 20.66 | 53.59 | 9.89 | 31.04 | 221.84 | 41.20 | 27.27 | 59.62 | 26.40 | 89.34 | 16.48 | 45.28 | 305.59 |
| | T55UN006 | 43.24 | 34.49 | 51.84 | 22.95 | 53.59 | 9.89 | 40.53 | 256.53 | 54.05 | 34.78 | 66.24 | 29.33 | 89.34 | 16.48 | 59.12 | 349.34 |
| | T55VO002 | 22.26 | 6.04 | 9.55 | 2.35 | 7.73 | 1.43 | 20.71 | 70.07 | 27.82 | 6.19 | 11.38 | 2.80 | 12.75 | 2.35 | 30.20 | 93.49 |
| | T55VO003 | 24.37 | 6.67 | 9.55 | 2.35 | 10.34 | 1.91 | 22.70 | 77.89 | 30.46 | 6.83 | 11.38 | 2.80 | 17.22 | 3.18 | 33.11 | 104.98 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *T55* | *cont.* | | | | | | | | | | | | | | | | |
| | T55VO004 | 35.33 | 9.51 | 13.40 | 3.30 | 10.51 | 1.94 | 32.83 | 106.82 | 44.16 | 9.75 | 15.98 | 3.93 | 17.51 | 3.23 | 47.88 | 142.44 |
| | T55VO005 | 28.79 | 7.68 | 11.79 | 2.90 | 5.86 | 1.08 | 26.72 | 84.82 | 35.99 | 7.88 | 14.06 | 3.46 | 9.77 | 1.80 | 38.97 | 111.93 |
| | T55VO006 | 39.29 | 10.65 | 14.90 | 3.67 | 13.86 | 2.56 | 36.55 | 121.48 | 49.11 | 10.92 | 17.77 | 4.37 | 23.10 | 4.26 | 53.31 | 162.84 |
| T56 | | | | | | | | | | | | | | | | | |
| | T56CA006 | 28.07 | 21.34 | 28.37 | 12.58 | 16.82 | 3.10 | 26.12 | 136.40 | 35.09 | 21.52 | 44.57 | 18.60 | 27.04 | 4.99 | 38.09 | 189.90 |
| T57 | | | | | | | | | | | | | | | | | |
| | T57CU001 | 6.39 | 1.82 | 3.61 | 1.32 | 0.00 | 0.00 | 8.31 | 21.45 | | | | | | | | |
| | T57CU002 | 7.80 | 2.22 | 3.61 | 1.32 | 0.00 | 0.00 | 10.15 | 25.10 | | | | | | | | |
| | T57CU003 | 11.55 | 3.28 | 5.46 | 1.99 | 0.00 | 0.00 | 15.02 | 37.30 | | | | | | | | |
| | T57CU004 | 13.22 | 3.75 | 8.41 | 3.07 | 0.00 | 0.00 | 17.19 | 45.64 | | | | | | | | |
| | T57CU005 | 14.43 | 4.10 | 15.92 | 5.81 | 0.00 | 0.00 | 18.76 | 59.02 | | | | | | | | |
| T60 | | | | | | | | | | | | | | | | | |
| | T60KI001 | 10.92 | 3.87 | 8.32 | 3.47 | 3.11 | 0.57 | 12.65 | 42.91 | 13.11 | 3.93 | 11.09 | 4.63 | 4.16 | 0.77 | 17.35 | 55.04 |
| | T60KI002 | 19.75 | 7.00 | 15.68 | 6.54 | 6.24 | 1.15 | 22.87 | 79.23 | 23.70 | 7.11 | 20.91 | 8.72 | 8.41 | 1.55 | 31.37 | 101.77 |
| | T60KI003 | 28.35 | 10.04 | 21.38 | 8.92 | 8.73 | 1.61 | 32.82 | 111.85 | 34.02 | 10.19 | 28.51 | 11.89 | 11.76 | 2.17 | 45.02 | 143.56 |
| | T60KI004 | 28.80 | 10.19 | 21.38 | 8.92 | 8.73 | 1.61 | 33.33 | 112.96 | 34.55 | 10.34 | 28.51 | 11.89 | 11.76 | 2.17 | 45.72 | 144.94 |
| | T60KI005 | 34.42 | 12.10 | 26.14 | 10.91 | 9.22 | 1.70 | 39.79 | 134.28 | 41.30 | 12.29 | 34.85 | 14.54 | 12.41 | 2.29 | 54.57 | 172.25 |
| | T60KI006 | 35.52 | 12.47 | 26.14 | 10.91 | 9.22 | 1.70 | 41.06 | 137.02 | 42.63 | 12.67 | 34.85 | 14.54 | 12.41 | 2.29 | 56.31 | 175.70 |
| | T60SO001 | 24.84 | 8.71 | 15.68 | 6.54 | 6.24 | 1.15 | 28.70 | 91.86 | 29.81 | 8.84 | 20.91 | 8.72 | 8.41 | 1.55 | 39.36 | 117.60 |
| | T60SO002 | 34.07 | 11.99 | 21.38 | 8.92 | 9.40 | 1.73 | 39.39 | 126.88 | 40.88 | 12.18 | 28.51 | 11.89 | 12.67 | 2.34 | 54.03 | 162.50 |
| | T60SO003 | 34.64 | 12.19 | 21.38 | 8.92 | 9.40 | 1.73 | 40.05 | 128.31 | 41.57 | 12.38 | 28.51 | 11.89 | 12.67 | 2.34 | 54.94 | 164.30 |
| | T60SO004 | 43.01 | 15.15 | 26.14 | 10.91 | 12.06 | 2.23 | 49.74 | 159.24 | 51.61 | 15.39 | 34.85 | 14.54 | 16.24 | 3.00 | 68.22 | 203.85 |
| | T60SO005 | 43.77 | 15.41 | 26.14 | 10.91 | 12.06 | 2.23 | 50.61 | 161.13 | 52.52 | 15.65 | 34.85 | 14.54 | 16.24 | 3.00 | 69.42 | 206.22 |
| T65 | | | | | | | | | | | | | | | | | |
| | T65AS001 | 21.84 | 7.71 | 3.96 | 1.45 | 0.30 | 0.06 | 30.25 | 65.57 | | | | | | | | |
| | T65AS002 | 33.06 | 11.66 | 6.73 | 2.46 | 0.30 | 0.06 | 45.80 | 100.07 | | | | | | | | |
| | T65AS005 | 75.95 | 26.79 | 19.01 | 6.94 | 0.71 | 0.13 | 105.21 | 234.74 | | | | | | | | |
| | T65AS006 | 87.71 | 30.96 | 15.82 | 5.78 | 1.03 | 0.19 | 121.51 | 263.00 | | | | | | | | |
| | T65AS009 | 130.42 | 58.06 | 68.31 | 51.53 | 0.00 | 0.00 | 139.63 | 447.95 | 146.73 | 58.44 | 88.80 | 64.89 | 0.00 | 0.00 | 179.52 | 538.38 |
| | T65AS010 | 190.89 | 84.97 | 118.29 | 89.11 | 0.00 | 0.00 | 204.36 | 687.62 | 214.75 | 85.53 | 153.77 | 112.24 | 0.00 | 0.00 | 262.75 | 829.04 |
| | T65AS012 | 37.22 | 11.37 | 13.44 | 11.76 | 0.24 | 0.04 | 51.55 | 125.62 | | | | | | | | |
| | T65AS016 | 57.13 | 22.75 | 27.83 | 21.14 | 0.00 | 0.00 | 78.64 | 207.49 | 65.29 | 22.98 | 36.18 | 26.59 | 0.00 | 0.00 | 99.86 | 250.90 |
| | T65AS017 | 87.70 | 34.93 | 44.69 | 33.63 | 0.00 | 0.00 | 120.71 | 321.66 | 100.22 | 35.27 | 58.09 | 42.37 | 0.00 | 0.00 | 153.28 | 389.23 |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***T65*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | T65AS018 | 129.19 | 51.45 | 49.98 | 37.58 | 0.00 | 0.00 | 177.83 | 446.03 | 147.65 | 51.96 | 64.97 | 47.35 | 0.00 | 0.00 | 225.81 | 537.74 |
| | T65AS020 | 50.07 | 14.24 | 6.05 | 5.81 | 0.30 | 0.06 | 65.12 | 141.65 | | | | | | | | |
| | T65AS021 | 60.37 | 17.17 | 6.31 | 6.41 | 0.30 | 0.06 | 78.51 | 169.13 | | | | | | | | |
| | T65AS024 | 4.54 | 2.23 | 0.00 | 2.00 | 0.29 | 0.05 | 5.13 | 14.24 | | | | | | | | |
| | T65AS025 | 4.66 | 2.29 | 0.00 | 2.00 | 0.29 | 0.05 | 5.26 | 14.55 | | | | | | | | |
| | T65AT003 | 48.90 | 19.47 | 29.40 | 22.17 | 0.00 | 0.00 | 67.30 | 187.24 | 55.88 | 19.66 | 38.22 | 27.92 | 0.00 | 0.00 | 85.47 | 227.15 |
| | T65AT004 | 61.59 | 24.53 | 63.21 | 47.71 | 0.00 | 0.00 | 84.78 | 281.82 | 70.39 | 24.77 | 82.17 | 60.07 | 0.00 | 0.00 | 107.65 | 345.05 |
| | T65AT006 | 105.42 | 41.99 | 47.63 | 36.05 | 0.00 | 0.00 | 145.11 | 376.20 | 120.48 | 42.40 | 61.92 | 45.37 | 0.00 | 0.00 | 184.27 | 454.44 |
| | T65AT007 | 3.09 | 1.36 | 2.45 | 2.69 | 0.00 | 0.00 | 4.02 | 13.61 | | | | | | | | |
| | T65AT008 | 4.31 | 1.89 | 1.57 | 2.12 | 0.00 | 0.00 | 5.61 | 15.50 | | | | | | | | |
| | T65DO004 | 177.24 | 70.59 | 97.51 | 73.57 | 0.00 | 0.00 | 243.97 | 662.88 | 202.56 | 71.28 | 126.76 | 92.63 | 0.00 | 0.00 | 309.80 | 803.03 |
| | T65DO007 | 2.78 | 1.22 | 4.90 | 3.37 | 0.00 | 0.00 | 3.61 | 15.88 | | | | | | | | |
| | T65DO008 | 3.78 | 1.66 | 7.35 | 5.06 | 0.00 | 0.00 | 4.91 | 22.76 | | | | | | | | |
| | T65DR004 | 27.78 | 12.20 | 5.88 | 4.95 | 0.00 | 0.00 | 36.12 | 86.93 | | | | | | | | |
| | T65DR005 | 19.44 | 8.53 | 5.10 | 4.49 | 0.00 | 0.00 | 25.27 | 62.83 | | | | | | | | |
| | T65EI004 | 12.86 | 5.89 | 11.98 | 4.69 | 5.12 | 0.94 | 15.81 | 57.29 | | | | | | | | |
| | T65EI005 | 16.11 | 7.50 | 14.36 | 5.62 | 3.15 | 0.58 | 19.87 | 67.19 | | | | | | | | |
| | T65EI006 | 24.56 | 11.51 | 16.85 | 6.59 | 5.34 | 0.99 | 30.33 | 96.17 | | | | | | | | |
| | T65EI007 | 5.14 | 2.29 | 2.59 | 1.51 | 0.35 | 0.06 | 6.28 | 18.22 | | | | | | | | |
| | T65EI009 | 8.90 | 3.98 | 5.18 | 3.03 | 1.50 | 0.28 | 10.89 | 33.76 | | | | | | | | |
| | T65EI011 | 7.99 | 3.61 | 9.59 | 3.75 | 2.18 | 0.40 | 9.79 | 37.31 | | | | | | | | |
| | T65EI012 | 12.41 | 5.78 | 14.36 | 5.62 | 7.05 | 1.30 | 15.31 | 61.83 | | | | | | | | |
| | T65EI014 | 3.59 | 1.59 | 2.07 | 0.81 | 0.14 | 0.03 | 4.68 | 12.91 | | | | | | | | |
| | T65EI015 | 4.22 | 1.87 | 4.67 | 1.83 | 0.29 | 0.05 | 5.49 | 18.42 | | | | | | | | |
| | T65FL002 | 17.19 | 4.90 | 8.96 | 7.84 | 0.18 | 0.03 | 22.36 | 61.46 | | | | | | | | |
| | T65FL004 | 23.38 | 6.67 | 8.96 | 7.84 | 0.30 | 0.06 | 30.43 | 77.64 | | | | | | | | |
| | T65TL003 | 7.88 | 3.51 | 5.22 | 2.04 | 0.71 | 0.13 | 10.27 | 29.76 | | | | | | | | |
| | T65TL005 | 6.01 | 2.69 | 5.22 | 2.04 | 0.71 | 0.13 | 7.84 | 24.64 | | | | | | | | |
| | T65VA001 | 178.49 | 79.45 | 122.50 | 79.86 | 0.00 | 0.00 | 191.09 | 651.39 | 200.80 | 79.97 | 159.25 | 103.82 | 0.00 | 0.00 | 245.69 | 789.53 |
| | T65VA002 | 288.52 | 128.43 | 124.95 | 81.45 | 0.00 | 0.00 | 308.89 | 932.24 | 324.59 | 129.27 | 162.44 | 105.89 | 0.00 | 0.00 | 397.14 | 1,119.33 |
| | T65VA003 | 629.61 | 280.26 | 282.73 | 184.31 | 0.00 | 0.00 | 674.05 | 2,050.96 | 708.31 | 282.10 | 367.55 | 239.61 | 0.00 | 0.00 | 866.64 | 2,464.21 |
| | T65VA008 | 29.93 | 13.47 | 9.80 | 5.75 | 7.05 | 1.30 | 34.22 | 101.52 | | | | | | | | |
| | T65VA009 | 50.16 | 22.02 | 21.07 | 12.36 | 0.00 | 0.00 | 57.05 | 162.66 | | | | | | | | |
| | T65WG001 | 7.06 | 3.11 | 2.85 | 1.11 | 0.14 | 0.03 | 8.61 | 22.91 | | | | | | | | |
| | T65WG002 | 9.17 | 4.10 | 4.25 | 1.66 | 1.50 | 0.28 | 11.21 | 32.17 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| *T65* | *cont.* | | | | | | | | | | | | | | | | |
| | T65WG003 | 16.82 | 7.63 | 11.98 | 4.69 | 5.12 | 0.94 | 20.63 | 67.81 | | | | | | | | |
| | T65WG005 | 8.05 | 3.54 | 3.92 | 2.60 | 0.14 | 0.03 | 9.16 | 27.44 | | | | | | | | |
| | T65WG006 | 11.57 | 5.15 | 7.35 | 5.06 | 1.50 | 0.28 | 13.20 | 44.11 | | | | | | | | |
| | T65WG007 | 21.64 | 9.74 | 17.15 | 11.81 | 5.12 | 0.94 | 24.74 | 91.14 | | | | | | | | |
| | T65WG008 | 7.68 | 3.40 | 4.25 | 1.66 | 0.37 | 0.07 | 9.37 | 26.80 | | | | | | | | |
| | T65WG009 | 14.28 | 6.34 | 9.59 | 3.75 | 1.39 | 0.26 | 17.44 | 53.05 | | | | | | | | |
| | T65WG010 | 23.31 | 10.50 | 19.44 | 7.60 | 5.52 | 1.02 | 28.56 | 95.95 | | | | | | | | |
| | T65WG011 | 26.66 | 12.10 | 24.62 | 9.63 | 8.35 | 1.54 | 32.71 | 115.61 | | | | | | | | |
| **W25** | | | | | | | | | | | | | | | | | |
| | W25AO001 | 0.46 | 0.06 | 0.13 | 0.57 | 0.00 | 0.00 | 0.83 | 2.05 | | | | | | | | |
| | W25AO002 | 0.57 | 0.07 | 0.13 | 0.82 | 0.00 | 0.00 | 1.01 | 2.60 | | | | | | | | |
| | W25AO003 | 0.84 | 0.11 | 0.27 | 0.89 | 0.00 | 0.00 | 1.50 | 3.61 | | | | | | | | |
| | W25AO004 | 0.81 | 0.10 | 0.27 | 1.14 | 0.00 | 0.00 | 1.45 | 3.77 | | | | | | | | |
| | W25AO005 | 1.72 | 0.22 | 0.53 | 1.78 | 0.00 | 0.00 | 3.07 | 7.32 | | | | | | | | |
| | W25AO006 | 1.11 | 0.14 | 0.13 | 0.82 | 0.00 | 0.00 | 1.98 | 4.18 | | | | | | | | |
| | W25CD001 | 3.58 | 0.46 | 0.00 | 0.50 | 0.00 | 0.00 | 6.40 | 10.94 | | | | | | | | |
| | W25CD002 | 5.96 | 0.77 | 0.00 | 0.75 | 0.00 | 0.00 | 10.66 | 18.14 | | | | | | | | |
| | W25CJ001 | 19.37 | 3.50 | 1.96 | 1.28 | 0.00 | 0.00 | 31.48 | 57.59 | | | | | | | | |
| | W25CJ002 | 27.64 | 4.99 | 2.35 | 1.53 | 0.00 | 0.00 | 44.92 | 81.43 | | | | | | | | |
| | W25CJ003 | 31.23 | 5.64 | 2.35 | 1.53 | 0.00 | 0.00 | 50.75 | 91.50 | | | | | | | | |
| | W25NL001 | 11.93 | 1.54 | 26.60 | 13.87 | 0.00 | 0.00 | 23.27 | 77.21 | | | | | | | | |
| | W25NL002 | 20.01 | 2.58 | 23.64 | 8.63 | 0.00 | 0.00 | 39.02 | 93.88 | | | | | | | | |
| | W25NL003 | 12.80 | 1.65 | 10.58 | 3.86 | 0.00 | 0.00 | 24.97 | 53.86 | | | | | | | | |
| | W25NL004 | 25.98 | 3.37 | 2.82 | 1.03 | 0.16 | 0.03 | 50.72 | 84.11 | | | | | | | | |
| | W25NL005 | 48.88 | 6.30 | 49.39 | 18.03 | 0.00 | 0.00 | 95.32 | 217.92 | | | | | | | | |
| | W25SD001 | 0.69 | 0.09 | 0.67 | 0.35 | 0.00 | 0.00 | 1.24 | 3.04 | | | | | | | | |
| | W25SD002 | 1.65 | 0.21 | 0.40 | 0.21 | 0.00 | 0.00 | 2.95 | 5.42 | | | | | | | | |
| | W25SD003 | 1.07 | 0.14 | 2.53 | 0.79 | 0.00 | 0.00 | 1.91 | 6.44 | | | | | | | | |
| | W25SD004 | 2.06 | 0.27 | 4.15 | 1.30 | 0.04 | 0.01 | 3.70 | 11.53 | | | | | | | | |
| | W25SD005 | 0.93 | 0.12 | 1.99 | 0.62 | 0.00 | 0.00 | 1.66 | 5.32 | | | | | | | | |
| | W25WE001 | 5.71 | 0.75 | 6.65 | 3.97 | 0.09 | 0.02 | 11.18 | 28.37 | | | | | | | | |
| | W25WE002 | 6.34 | 0.83 | 9.98 | 5.95 | 0.09 | 0.02 | 12.41 | 35.62 | | | | | | | | |
| | W25WE003 | 6.95 | 0.91 | 6.42 | 2.34 | 0.09 | 0.02 | 13.59 | 30.32 | | | | | | | | |
| | W25WE004 | 11.28 | 1.47 | 19.95 | 11.90 | 0.09 | 0.02 | 22.05 | 66.76 | | | | | | | | |

# Table 2-2 . HOURLY RATE ELEMENTS

| REGION 10 | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID. NO. | DEPR | FCCM | FUEL | FOG | TIRE | TIRE REPAIR | REPAIR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE REPAIR | REPAIR | TOTAL RATE |
| ***W25*** | ***cont.*** | | | | | | | | | | | | | | | | |
| | W25WE005 | 13.98 | 1.82 | 11.29 | 4.12 | 0.09 | 0.02 | 27.30 | 58.62 | | | | | | | | |
| | W25WE006 | 15.78 | 2.05 | 16.93 | 6.18 | 0.07 | 0.01 | 30.81 | 71.83 | | | | | | | | |
| | W25WE007 | 18.15 | 2.36 | 16.23 | 5.93 | 0.12 | 0.02 | 35.45 | 78.26 | | | | | | | | |
| **W30** | | | | | | | | | | | | | | | | | |
| | W30MG099 | 0.28 | 0.10 | 0.00 | 0.00 | 0.06 | 0.01 | 0.28 | 0.73 | | | | | | | | |
| | W30SO001 | 2.91 | 1.00 | 0.99 | 0.32 | 0.15 | 0.03 | 2.87 | 8.27 | | | | | | | | |
| | W30SO002 | 3.50 | 1.19 | 0.99 | 0.32 | 0.15 | 0.03 | 3.44 | 9.62 | | | | | | | | |
| | W30SO003 | 3.81 | 1.30 | 0.99 | 0.32 | 0.15 | 0.03 | 3.75 | 10.35 | | | | | | | | |
| | W30SO004 | 1.92 | 0.64 | 0.00 | 0.01 | 0.00 | 0.00 | 1.57 | 4.14 | | | | | | | | |
| | W30SO005 | 2.14 | 0.72 | 0.00 | 0.01 | 0.00 | 0.00 | 1.75 | 4.62 | | | | | | | | |
| | W30SO006 | 2.47 | 0.83 | 0.00 | 0.01 | 0.00 | 0.00 | 2.02 | 5.33 | | | | | | | | |
| **W35** | | | | | | | | | | | | | | | | | |
| | W35LC001 | 0.18 | 0.05 | 1.67 | 0.52 | 0.00 | 0.00 | 0.23 | 2.65 | | | | | | | | |
| | W35LC002 | 0.40 | 0.11 | 3.04 | 0.95 | 0.02 | 0.00 | 0.52 | 5.04 | | | | | | | | |
| | W35LC003 | 0.49 | 0.13 | 2.74 | 0.86 | 0.02 | 0.00 | 0.64 | 4.88 | | | | | | | | |
| | W35LC004 | 0.91 | 0.24 | 3.95 | 1.24 | 0.03 | 0.01 | 1.20 | 7.58 | | | | | | | | |
| | W35LC005 | 1.16 | 0.30 | 2.60 | 0.81 | 0.03 | 0.01 | 1.51 | 6.42 | | | | | | | | |
| | W35LC006 | 1.18 | 0.31 | 2.60 | 0.81 | 0.03 | 0.01 | 1.54 | 6.48 | | | | | | | | |
| | W35LC010 | 0.06 | 0.01 | 0.63 | 0.33 | 0.00 | 0.00 | 0.05 | 1.08 | | | | | | | | |
| | W35LC011 | 0.37 | 0.07 | 1.13 | 0.59 | 0.00 | 0.00 | 0.30 | 2.46 | | | | | | | | |
| | W35LC012 | 0.38 | 0.07 | 1.47 | 0.77 | 0.00 | 0.00 | 0.31 | 3.00 | | | | | | | | |
| | W35LC013 | 0.38 | 0.07 | 1.72 | 0.90 | 0.00 | 0.00 | 0.31 | 3.38 | | | | | | | | |
| | W35LC018 | 0.11 | 0.02 | 0.21 | 0.11 | 0.00 | 0.00 | 0.09 | 0.54 | | | | | | | | |
| | W35LC019 | 0.30 | 0.05 | 0.46 | 0.24 | 0.00 | 0.00 | 0.24 | 1.29 | | | | | | | | |
| | W35LC020 | 0.45 | 0.08 | 1.09 | 0.57 | 0.00 | 0.00 | 0.37 | 2.56 | | | | | | | | |

# 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 1998 (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 identification number (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); filter, 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 Table 2-1 and Table 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 Table 2-1 and Table 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 adjustment conditions are explained below.

Changes in operating conditions
Changes in Cost of Money Rate
Actual work hours (hr) 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 cost of money rate 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 cost of money rates. The total hourly rate adjusted for a differing cost of money rate is computed by the formula:

$$\text{Total Hourly Rate} = \text{DEPR/hr} + \left[(\text{FCCM/hr}) \times \left(\frac{\text{New CMR}}{\text{Old CMR}}\right)\right] + \text{Operating Costs/hr}$$

Example: Assume that Table 2-1 includes a crane [category (CAT) C80, subcategory 0.02] with hourly costs as shown below. The CMR has increased from 5.00% to a current rate of 6.00% (increase of 20 %). 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%:

$$\$30.00/hr + [(\$10.00/hr) \times \frac{6.00\%}{5.00\%}] + \$40.00/hr = \$82.00/hr$$

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:

$$\text{Total Hourly Rate} = \text{DEPR/hr} + [(\text{FCCM/hr}) \times \frac{(\ 40\ \text{hr/wk}\ )}{\text{(Actual Work hr/wk)}}] + \text{Operating Costs/hr}$$

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:

$$\$30.00/hr + [(\$10.00/hr) \times \frac{40\ hr/wk}{60\ hr/wk}] + \$40.00/hr = \$76.67/hr$$

3-9. Changes in Fuel Cost.

Hourly fuel costs (including electricity) shall be adjusted in the event the average fuel prices at the job site 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:

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

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 $1.44/gal from Appendix B has increased to $1.80/gal (increase of 25.0%). The total hourly rate for this piece of equipment can be determined as follows:

Assumptions for Fuel Cost (based on $1.44/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:

$$(\$30.00/\text{hr} + \$10.00/\text{hr}) + \$30.00/\text{hr} + \left[\frac{(\$1.80/\text{gal})}{(\$1.44/\text{gal})} \times \$10.00/\text{hr}\right] = \$82.50/\text{hr}$$

3-10. Adjustments to 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 Equipment Pamphlet 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 1998) and does not exceed the years of economic life, adjust the hourly rate as shown in the example below. 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 1998 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 1998 (DEPR + FCCM) | = - ($30.00)/hr |
| Ownership rate 1994 adjusted for age (Ownership rate = $30) x (0.91 the age adjustment factor from Table 3-1, for category C80, subcategory 0.02, and for the year 1994.) | = + $27.30/hr |
| | ========== |
| Total hourly rate for equipment manufactured in 1994 | = $62.30/hr |

b. When the unit of equipment is older than the age of equipment listed in Table 2-1 (purchased new in 1998) and exceeds the years of economic life, adjust the hourly rate as shown in the example for overage equipment in paragraph 3-12. b. below.

c. When the unit of equipment is newer than the equipment listed in Table 2-1 (purchased new in 1998), 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 then use the adjustment factor in the column of the most recent year. Once the adjustment factor is determined from Table 3-1 then 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 1998). 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 then 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 1998, 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 Calculations:

| | |
|---|---|
| Total hourly rate | = $65.00/hr |
| Ownership rate 1998 (DEPR + FCCM) | = - ($30.00)/hr |
| Ownership rate 1974 adjusted for age (Ownership rate = $30.00) x (0.77 use the oldest age adjustment factor from Table 3-1, for category C80, subcategory 0.02, the last year shown.) | = + $23.10 /hr |
| | ========== |
| Total hourly rate for equipment manufactured in 1974 | = $58.10 /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 1998), then 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 1998 and has a standby rate of $18 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) = $18.00/hr
Age Adjustment Factor (Table 3-2) = 0.91
for category C80, subcategory 0.02, and for 1994 (actual year of manufacture)

Adjustment Calculation:

Hourly Standby Rate Adjusted for Actual Age=
$18.00/hr (Hourly Standby Rate) x 0.91 (Age Adjustment Factor) = $16.38/hr

b. When the unit of equipment is newer than the equipment listed in Table 2-1 (purchased new in 1998), use the adjustment factor in Table 3-2 for the year of manufacture. Once the adjustment factor is determined from Table 3-2 then 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 1998).

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 “life” 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 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| A10 0.00 | AGGREGATE / CHIP SPREADERS | | | | | | | | | | | | | | | | | | |
| A10 0.10 | SELF-PROPELLED | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.93 | | | | | | | | | | | | |
| A10 0.20 | TOWED & TAILGATE | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | | | | | | | | | | | | | |
| A15 0.00 | AIR COMPRESSORS, PORTABLE | | | | | | | | | | | | | | | | | | |
| A15 0.10 | ROTARY SCREW | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | 0.99 | | | | | | | | | | | |
| A15 0.20 | SHOP TYPE | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | 0.99 | 0.97 | 0.97 | | | | | | | | | |
| A20 0.00 | AIR HOSE, TOOLS & EQUIPMENT | | | | | | | | | | | | | | | | | | |
| A20 0.10 | AIR HOSE | 1.02 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| A20 0.20 | SANDBLAST HOSE | 1.02 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| A20 0.30 | SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | |
| A25 0.00 | ASPHALT PAVING DISTRIBUTORS | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | | | | | | | | | | | | | |
| A30 0.00 | ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT | | | | | | | | | | | | | | | | | | |
| A30 0.10 | SELF PROPELLED | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.94 | | | | | | | | | | | | |
| A30 0.20 | TOWED | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.93 | 0.91 | | | | | | | | | | | |
| A30 0.30 | SLURRY SEAL PAVERS (COLD MIX) | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.93 | 0.91 | 0.89 | 0.87 | | | | | | | | | |
| A30 0.40 | MISCELLANEOUS ROAD EQUIPMENT | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.93 | 0.91 | | | | | | | | | | | |
| A35 0.00 | ASPHALT PAVING KETTLES | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | | | | | | | | | | | | | |
| A40 0.00 | ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | | | | | | | | | | | | | |
| A45 0.00 | ASPHALT RECYCLERS & SEALERS | 1.08 | 1.04 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| B10 0.00 | BATCH PLANTS (ASPHALT & CONCRETE) | | | | | | | | | | | | | | | | | | |
| B10 0.10 | ASPHALT | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.93 | | | | | | | | | | | | |
| B10 0.20 | CONCRETE | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.93 | | | | | | | | | | | | |
| B10 0.30 | PUGMILL | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.93 | 0.91 | | | | | | | | | | | |
| B15 0.00 | BROOMS, STREET SWEEPERS & FLUSHERS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| B20 0.00 | BRUSH CHIPPERS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| B25 0.00 | BUCKETS, CLAMSHELL | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | | | | | | | | | | | | |
| B30 0.00 | BUCKETS, CONCRETE | | | | | | | | | | | | | | | | | | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| B30 0.10 | GENERAL PURPOSE, MANUAL TRIP | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | | | | | | | | | | | | |
| B30 0.20 | LAYDOWN | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | | | | | | | | | | | | |
| B30 0.30 | LOWBOY | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | | | | | | | | | | | | |
| B30 0.40 | LOW SLUMP | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | | | | | | | | | | | | |
| B35 0.00 | BUCKETS, DRAGLINE | | | | | | | | | | | | | | | | | | |
| B35 0.10 | LIGHT WEIGHT | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | | | | | | | | | | | | |
| B35 0.20 | MEDIUM WEIGHT | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | 0.96 | | | | | | | | | | | |
| B35 0.30 | HEAVY WEIGHT | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | 0.96 | | | | | | | | | | | |
| C05 0.00 | CHAIN SAWS | 1.06 | 1.03 | 1.01 | 1.00 | | | | | | | | | | | | | | |
| C10 0.00 | COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER | | | | | | | | | | | | | | | | | | |
| C10 0.10 | COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES | 1.06 | 1.03 | 1.01 | 1.00 | | | | | | | | | | | | | | |
| C10 0.20 | ROLLERS, VIBRATORY | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| C15 0.00 | CONCRETE CLEANERS / BLASTERS | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| C20 0.00 | CONCRETE BUGGIES | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| C25 0.00 | CONCRETE FINISHERS/SCREEDS/SPREADERS | | | | | | | | | | | | | | | | | | |
| C25 0.10 | FINISHERS/TROWELS | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| C25 0.20 | VIBRATORY SCREED | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| C25 0.25 | VIBRATORY LASER SCREED | 1.08 | 1.03 | 1.02 | 1.00 | 0.97 | 0.95 | | | | | | | | | | | | |
| C25 0.30 | MATERIAL/TOPPING SPREADERS | 1.08 | 1.03 | 1.02 | 1.00 | 0.97 | 0.95 | | | | | | | | | | | | |
| C30 0.00 | CONCRETE GRINDERS | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| C35 0.00 | CONCRETE GUNITERS / SHOTCRETERS | 1.07 | 1.03 | 1.02 | 1.00 | 0.97 | | | | | | | | | | | | | |
| C40 0.00 | CONCRETE MIXING UNITS | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| C45 0.00 | CONCRETE PAVING MACHINES | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | | | | | | | | | | | | | |
| C55 0.00 | CONCRETE PUMPS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| C60 0.00 | CONCRETE SAWS (sawblade wear not included) | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| C65 0.00 | CONCRETE VIBRATORS | 1.02 | 1.00 | 1.00 | 1.00 | | | | | | | | | | | | | | |
| C70 0.00 | CRANES, GANTRY & STRADDLE | | | | | | | | | | | | | | | | | | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| C75 0.00 | CRANES, HYDRAULIC, SELF-PROPELLED | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.91 | 0.90 | 0.85 | | | | | | | | |
| C80 0.00 | CRANES, HYDRAULIC, TRUCK MOUNTED | | | | | | | | | | | | | | | | | | |
| C80 0.01 | UNDER 26 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.80 | | | | | | | |
| C80 0.02 | 26 TON THRU 65 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | | | | | |
| C80 0.03 | 66 TON THRU 125 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | 0.68 | | | | |
| C80 0.04 | OVER 125 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | 0.68 | 0.66 | | | |
| C85 0.00 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED | | | | | | | | | | | | | | | | | | |
| C85 0.11 | DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.89 | 0.85 | | | | | | | | |
| C85 0.12 | DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.89 | 0.85 | 0.80 | | | | | | | |
| C85 0.13 | DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.89 | 0.85 | 0.80 | 0.77 | 0.73 | | | | | |
| C85 0.14 | DRAGLINE, CLAMSHELL, OVER 5.0 CY | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.91 | 0.90 | 0.85 | 0.80 | 0.77 | 0.73 | 0.67 | | | | |
| C85 0.21 | LIFTING, 0 THRU 25 TON | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.89 | 0.85 | 0.80 | | | | | | | |
| C85 0.22 | LIFTING, 26 TON THRU 50 TON | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.89 | 0.85 | 0.80 | 0.77 | 0.73 | | | | | |
| C85 0.23 | LIFTING, 51 TON THRU 150 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | 0.68 | | | | |
| C85 0.24 | LIFTING, OVER 150 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | 0.68 | 0.66 | | | |
| C90 0.00 | CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED | | | | | | | | | | | | | | | | | | |
| C90 0.01 | UNDER 26 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.80 | | | | | | | |
| C90 0.02 | 26 TON THRU 65 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | | | | | |
| C90 0.03 | 66 TON THRU 125 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.91 | 0.90 | 0.85 | 0.80 | 0.77 | 0.73 | 0.67 | | | | |
| C90 0.04 | OVER 125 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.91 | 0.90 | 0.85 | 0.80 | 0.77 | 0.73 | 0.67 | 0.65 | | | |
| C95 0.00 | CRANES, TOWER | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.89 | 0.85 | 0.80 | 0.77 | 0.73 | | | | | |
| D10 0.00 | DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE | 1.08 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.92 | 0.90 | 0.88 | 0.86 | | | | | | | | |
| D15 0.00 | DRILLS, HORIZONTAL BORING & GROUND PIERCING | 1.08 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.92 | 0.90 | 0.88 | | | | | | | | | |
| D20 0.00 | DRILLS, CORE, COLUMN MOUNTED | 1.08 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.92 | | | | | | | | | | | |
| D25 0.00 | DRILLS, CORE, SKID MOUNTED | 1.08 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.92 | 0.90 | 0.88 | | | | | | | | | |
| D30 0.00 | DRILLS, EARTH / AUGER | 1.08 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.92 | 0.90 | 0.88 | | | | | | | | | |
| D35 0.00 | DRILLS, ROTARY BLASTHOLE | | | | | | | | | | | | | | | | | | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| D35 0.11 | DIESEL, 4.5" THRU 9.875" DIAMETER HOLE | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.90 | 0.89 | 0.86 | | | | | | | | |
| D35 0.12 | DIESEL, OVER 9.875" DIAMETER | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.90 | 0.89 | 0.87 | 0.86 | 0.83 | 0.79 | | | | | |
| D35 0.21 | ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.90 | 0.89 | 0.86 | | | | | | | | |
| D35 0.22 | ELECTRIC, OVER 9.875" DIAMETER | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.90 | 0.89 | 0.87 | 0.86 | 0.83 | 0.79 | | | | | |
| F10 0.00 | FORK LIFTS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| G10 0.00 | GENERATOR SETS | | | | | | | | | | | | | | | | | | |
| G10 0.10 | PORTABLE | 1.04 | 1.00 | 1.00 | 1.00 | 0.99 | 1.00 | | | | | | | | | | | | |
| G10 0.20 | SKID MOUNTED | 1.04 | 1.00 | 1.00 | 1.00 | 0.99 | 1.00 | 0.99 | | | | | | | | | | | |
| G15 0.00 | GRADERS, MOTOR | 1.10 | 1.06 | 1.04 | 1.00 | 0.97 | 0.95 | 0.90 | 0.87 | 0.84 | 0.78 | 0.75 | | | | | | | |
| H10 0.00 | HAMMERS, HYDRAULIC (DEMOLITION TOOL) | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| H13 0.00 | HAZARDOUS/TOXIC WASTE EQUIPMENT | | | | | | | | | | | | | | | | | | |
| H13 0.11 | COMPACTORS (COMPRESSION FORCE) 0 THRU 50 TONS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| H13 0.12 | COMPACTORS (COMPRESSION FORCE) OVER 50 TONS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | | | | | | | | | |
| H13 0.21 | FILTER PRESSES, STATIONARY | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| H13 0.22 | FILTER PRESSES, MOBILE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| H13 0.30 | CENTRIFUGES | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| H13 0.40 | SHREDDERS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| H13 0.51 | SOIL TREATMENT PLANT, MOBILE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| H13 0.61 | SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| H13 0.71 | WASTE HANDLING EQUIPMENT, DRUM HANDLING | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| H15 0.00 | HEATERS, SPACE | | | | | | | | | | | | | | | | | | |
| H20 0.00 | HOISTS & AIR WINCHES | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| H25 0.00 | HYDRAULIC EXCAVATORS, CRAWLER MOUNTED | | | | | | | | | | | | | | | | | | |
| H25 0.11 | 0 LBS THRU 40,000 LBS | 1.06 | 1.02 | 1.02 | 1.00 | 0.97 | 0.95 | 0.92 | | | | | | | | | | | |
| H25 0.12 | OVER 40,000 LBS THRU 100,000 LBS | 1.06 | 1.02 | 1.01 | 1.00 | 0.97 | 0.95 | 0.92 | 0.90 | 0.89 | | | | | | | | | |
| H25 0.13 | OVER 100,000 LBS THRU 160,000 LBS | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.89 | 0.85 | 0.79 | 0.76 | 0.72 | | | | | |
| H25 0.14 | OVER 160,000 LBS | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.89 | 0.85 | 0.80 | 0.77 | 0.73 | 0.67 | 0.65 | 0.62 | 0.60 | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| H25 0.21 | ATTACHMENTS, MOBILE SHEARS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| H25 0.22 | ATTACHMENTS, MATERIAL HANDLING | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| H25 0.23 | ATTACHMENTS, CONCRETE PULVERIZERS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| H25 0.24 | ATTACHMENTS, COMPACTORS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| H30 0.00 | HYDRAULIC EXCAVATORS, WHEEL MOUNTED | | | | | | | | | | | | | | | | | | |
| H30 0.01 | 0 THRU 1.0 CY | 1.06 | 1.02 | 1.02 | 1.00 | 0.97 | 0.95 | | | | | | | | | | | | |
| H30 0.02 | OVER 1.0 CY | 1.06 | 1.02 | 1.02 | 1.00 | 0.97 | 0.95 | 0.92 | | | | | | | | | | | |
| H35 0.00 | HYDRAULIC SHOVELS, CRAWLER MOUNTED | | | | | | | | | | | | | | | | | | |
| H35 0.11 | DIESEL, 0 CY THRU 5.0 CY | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.89 | 0.85 | 0.80 | 0.77 | 0.73 | | | | | |
| H35 0.12 | DIESEL, OVER 5.0 CY | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.75 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| H35 0.21 | ELECTRIC, OVER 2.5 CY | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.89 | 0.85 | 0.80 | 0.77 | 0.73 | | | | | |
| L10 0.00 | LAND CLEARING EQUIPMENT | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| L15 0.00 | LANDSCAPING EQUIPMENT | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| L20 0.00 | LIGHTING SETS, TRAILER MOUNTED | | | | | | | | | | | | | | | | | | |
| L20 0.10 | METALLIC VAPOR | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| L25 0.00 | LINE STRIPING EQUIPMENT | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| L30 0.00 | LOADERS, BELT (CONVEYOR BELTS) & ACCESSORIES | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| L35 0.00 | LOADERS, FRONT END, CRAWLER TYPE | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| L40 0.00 | LOADERS, FRONT END, WHEEL TYPE | | | | | | | | | | | | | | | | | | |
| L40 0.11 | ARTICULATED, 0 THRU 225 HP | 1.08 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| L40 0.12 | ARTICULATED, OVER 225 HP | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.89 | | | | | | | | | |
| L40 0.20 | SKID STEER | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| L40 0.21 | SKID STEER ATTACHMENTS | 1.08 | 1.04 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| L40 0.31 | TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP | 1.08 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| L40 0.32 | TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.94 | 0.91 | 0.89 | | | | | | | | | |
| L45 0.00 | LOADERS / BACKHOE, CRAWLER TYPE | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| L50 0.00 | LOADERS / BACKHOE, WHEEL TYPE | 1.08 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| L55 0.00 | LOADER / BACKHOE, ATTACHMENTS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| L60 0.00 | LOG SKIDDERS | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| M10 0.00 | MARINE EQUIPMENT (NON DREDGING) | | | | | | | | | | | | | | | | | | |
| M10 0.11 | AQUATIC MAINTENANCE | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.94 | 0.90 | | | | | | | | | | | |
| M10 0.12 | AQUATIC MAINTENACE ATTACHMENTS | 1.07 | 1.03 | 1.01 | 1.00 | 0.98 | | | | | | | | | | | | | |
| M10 0.21 | HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABL | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | | | | | | | |
| M10 0.22 | HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | | | | | | | |
| M10 0.23 | HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | | | | | | | |
| M10 0.24 | HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | | | | | | | | | | | | |
| M10 0.25 | HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE | 1.07 | 1.03 | 1.01 | 1.00 | 0.98 | | | | | | | | | | | | | |
| M10 0.26 | HYDRAULIC DREDGE / PUMP ATTACHMENTS | 1.07 | 1.03 | 1.01 | 1.00 | 0.98 | | | | | | | | | | | | | |
| M10 0.31 | SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | 0.68 | | | | |
| M10 0.32 | SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | | | | | | | | | | | |
| M10 0.33 | SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.75 | 0.72 | 0.69 | | | | |
| M10 0.41 | WORK FLOATS (NON-DREDGING) | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | | | | | | | | | | | | | |
| M10 0.42 | WORK BARGES (SECTIONAL, NON-DREDGING) | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.80 | 0.77 | 0.73 | 0.70 | 0.69 | 0.69 | 0.67 | 0.65 |
| M10 0.45 | FLAT-DECK OR CARGO BARGE (NON-DREDGING) | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.90 | 0.89 | 0.85 | 0.81 | 0.78 | 0.74 | 0.71 | 0.71 | 0.70 | 0.68 | 0.66 |
| M10 0.46 | DUMP SCOW (NON-DREDGING) | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.90 | 0.89 | 0.85 | 0.81 | 0.78 | 0.74 | 0.71 | 0.71 | 0.70 | 0.68 | 0.66 |
| M10 0.47 | DRILL BARGE (NON-DREDGING) | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.90 | 0.88 | 0.85 | 0.80 | 0.77 | 0.74 | 0.71 | 0.70 | 0.70 | 0.67 | 0.65 |
| M10 0.48 | ALL OTHER BARGES (NON-DREDGING) | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.90 | 0.88 | 0.85 | 0.80 | 0.77 | 0.74 | 0.71 | 0.70 | 0.70 | 0.67 | 0.65 |
| M10 0.51 | BOATS & LAUNCHES, 0 THRU 250 HP | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | 0.90 | 0.89 | 0.87 | 0.83 | 0.78 | | | | | | | |
| M10 0.53 | BOATS & LAUNCHES, 251 THRU 500 HP | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.87 | 0.83 | 0.79 | 0.75 | 0.72 | | | | | |
| M10 0.54 | TUGS, 501 THRU 1,000 HP | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.80 | 0.77 | 0.73 | 0.70 | 0.70 | 0.69 | 0.67 | 0.65 |
| M10 0.55 | TUGS, 1,000 THRU 2,000 HP | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.90 | 0.88 | 0.85 | 0.80 | 0.77 | 0.74 | 0.71 | 0.70 | 0.70 | 0.68 | 0.66 |
| P10 0.00 | PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS | 1.08 | 1.03 | 1.02 | 1.00 | 0.97 | | | | | | | | | | | | | |
| P20 0.00 | PILE HAMMERS, DOUBLE ACTING | | | | | | | | | | | | | | | | | | |
| P20 0.10 | DIESEL | 1.07 | 1.03 | 1.02 | 1.00 | 0.97 | | | | | | | | | | | | | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| P20 0.20 | STEAM | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| P25 0.00 | PILE HAMMERS, SINGLE ACTING | | | | | | | | | | | | | | | | | | |
| P25 0.10 | DIESEL | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| P25 0.20 | STEAM | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| P30 0.00 | PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| P35 0.00 | PIPELAYERS | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.93 | 0.89 | 0.86 | 0.81 | 0.78 | 0.76 | | | | | | |
| P40 0.00 | PLATFORMS & MAN-LIFTS | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P45 0.00 | PUMPS, GROUT | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P50 0.00 | PUMPS, WATER, CENTRIFUGAL, TRASH | | | | | | | | | | | | | | | | | | |
| P50 0.11 | SKID MOUNTED, ENGINE DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P50 0.12 | SKID MOUNTED, ELECTRIC DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P50 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P50 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P50 0.31 | HOSES, PUMP, SUCTION & DISCHARGE | 1.06 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| P55 0.00 | PUMPS, WATER, SUBMERSIBLE | | | | | | | | | | | | | | | | | | |
| P55 0.01 | ENGINE DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P55 0.02 | ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P60 0.00 | PUMPS, WATER, CENTRIFUGAL, DEWATERING | | | | | | | | | | | | | | | | | | |
| P60 0.11 | SKID MOUNTED, ENGINE DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P60 0.12 | SKID MOUNTED, ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P60 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P60 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P65 0.00 | PUMPS, WATER, DIAPHRAGM | | | | | | | | | | | | | | | | | | |
| P65 0.11 | SKID MOUNTED, ENGINE DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P65 0.12 | SKID MOUNTED, ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P65 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| P65 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| P70 0.00 | PUMPS, WATER (FOR CORE DRILLS) | | | | | | | | | | | | | | | | | | |
| P70 0.01 | ENGINE DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.97 | 0.95 | | | | | | | | | | | | |
| P70 0.02 | ELECTRIC DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.97 | 0.95 | | | | | | | | | | | | |
| R10 0.00 | RIPPERS & HYDRAULIC BANK SLOPERS(no point wear included) | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| R15 0.00 | ROLLERS, STATIC, TOWED, PNEUMATIC | 1.05 | 1.01 | 1.03 | 1.00 | 0.98 | 0.97 | 0.94 | | | | | | | | | | | |
| R20 0.00 | ROLLERS, STATIC, TOWED, STEEL DRUM | 1.05 | 1.01 | 1.03 | 1.00 | 0.98 | 0.97 | 0.94 | | | | | | | | | | | |
| R30 0.00 | ROLLERS, STATIC, SELF-PROPELLED | | | | | | | | | | | | | | | | | | |
| R30 0.01 | PNEUMATIC | 1.05 | 1.01 | 1.03 | 1.00 | 0.98 | 0.97 | | | | | | | | | | | | |
| R30 0.02 | SMOOTH DRUM | 1.04 | 1.01 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | | | | | | | | | | | |
| R30 0.03 | TAMPING FOOT, LANDFILL & SOIL COMPACTORS | 1.05 | 1.01 | 1.03 | 1.00 | 0.98 | 0.97 | 0.94 | 0.91 | 0.86 | | | | | | | | | |
| R40 0.00 | ROLLERS, VIBRATORY, TOWED | 1.05 | 1.01 | 1.03 | 1.00 | 0.98 | 0.97 | | | | | | | | | | | | |
| R45 0.00 | ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM | 1.05 | 1.01 | 1.03 | 1.00 | 0.98 | 0.97 | | | | | | | | | | | | |
| R50 0.00 | ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM | 1.05 | 1.01 | 1.03 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| R55 0.00 | ROOFING EQUIPMENT | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| S10 0.00 | SCRAPERS, ELEVATING | | | | | | | | | | | | | | | | | | |
| S10 0.01 | 0 THRU 200 HP | 1.10 | 1.06 | 1.04 | 1.00 | 0.97 | 0.96 | 0.90 | 0.88 | 0.85 | | | | | | | | | |
| S10 0.02 | OVER 200 HP | 1.10 | 1.06 | 1.04 | 1.00 | 0.97 | 0.95 | 0.89 | 0.87 | 0.84 | 0.78 | | | | | | | | |
| S15 0.00 | SCRAPERS, CONVENTIONAL | 1.09 | 1.05 | 1.03 | 1.00 | 0.97 | 0.96 | 0.90 | 0.88 | 0.85 | 0.79 | 0.76 | 0.73 | | | | | | |
| S20 0.00 | SCRAPERS, TANDEM POWERED | 1.09 | 1.05 | 1.03 | 1.00 | 0.97 | 0.96 | 0.90 | 0.88 | 0.85 | 0.79 | 0.76 | 0.73 | | | | | | |
| S25 0.00 | SCRAPERS, TRACTOR DRAWN | 1.10 | 1.06 | 1.04 | 1.00 | 0.97 | 0.96 | 0.90 | 0.88 | 0.85 | | | | | | | | | |
| S30 0.00 | SCREENING & CRUSHING PLANTS | | | | | | | | | | | | | | | | | | |
| S30 0.10 | CONVEYORS | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | | | | | | | | | | | |
| S30 0.20 | CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.86 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | |
| S30 0.21 | CRUSHERS - CONE | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.86 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | |
| S30 0.22 | CRUSHERS - JAW | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.86 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | |
| S30 0.30 | SCREENING PLANT | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | | | | | | | | | | | |
| S35 0.00 | SNOW REMOVAL EQUIPMENT | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| S40 0.00 | SOIL & ROAD STABILIZERS | 1.10 | 1.06 | 1.04 | 1.00 | 0.97 | | | | | | | | | | | | | |
| S45 0.00 | SPLITTERS, ROCK & CONCRETE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| T10 0.00 | TRACTOR BLADES & ATTACHMENTS | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| T15 0.00 | TRACTORS, CRAWLER (DOZER) (includes blade) | | | | | | | | | | | | | | | | | | |
| T15 0.01 | 0 THRU 225 HP | 1.10 | 1.05 | 1.04 | 1.00 | 0.98 | 0.96 | 0.92 | 0.88 | 0.84 | | | | | | | | | |
| T15 0.02 | 226 HP THRU 425 HP | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.93 | 0.89 | 0.86 | 0.80 | 0.78 | 0.75 | 0.72 | 0.67 | | | | |
| T15 0.03 | OVER 425 HP | 1.08 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.86 | 0.81 | 0.79 | 0.76 | 0.74 | 0.69 | 0.64 | 0.61 | 0.61 | |
| T20 0.00 | TRACTORS, WHEEL TYPE (DOZER) | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.96 | 0.95 | 0.92 | | | | | | | | | |
| T25 0.00 | TRACTORS, AGRICULTURAL | | | | | | | | | | | | | | | | | | |
| T25 0.10 | CRAWLER | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.96 | | | | | | | | | | | |
| T25 0.20 | WHEEL | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| T30 0.00 | TRENCHERS, CHAIN TYPE CUTTER | 1.10 | 1.06 | 1.04 | 1.00 | 0.96 | 0.94 | | | | | | | | | | | | |
| T35 0.00 | TRENCHERS, WHEEL TYPE CUTTER | 1.10 | 1.06 | 1.04 | 1.00 | 0.96 | 0.94 | | | | | | | | | | | | |
| T40 0.00 | TRUCK OPTIONS | | | | | | | | | | | | | | | | | | |
| T40 0.10 | CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| T40 0.20 | DUMP BODY, REAR | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| T40 0.30 | FLATBEDS, WITH SIDES | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| T40 0.41 | HOIST, ELECTRIC DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| T40 0.50 | TRANSIT MIXERS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| T40 0.60 | WATER TANKS | 1.07 | 1.03 | 1.02 | 1.00 | 0.97 | 0.95 | | | | | | | | | | | | |
| T40 0.70 | ALL OTHER OPTIONS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| T45 0.00 | TRUCK TRAILERS | | | | | | | | | | | | | | | | | | |
| T45 0.10 | BOTTOM DUMP | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | | | | | | | | | | | |
| T45 0.20 | END DUMP | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | | | | | | | | | | | |
| T45 0.30 | PUP TRAILER | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | | | | | | | | | | | | |
| T45 0.41 | LOWBOY, RIGID NECK, DROP DECK | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | | | | | | | | | | | |
| T45 0.50 | FLATBED TRAILER | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | | | | | | | | | | | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| T45 0.60 | MISCELLANEOUS / UTILITY | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | | | | | | | | | | | |
| T45 0.70 | WATER TANKER TRAILER | 1.07 | 1.03 | 1.02 | 1.00 | 0.97 | 0.95 | 0.93 | | | | | | | | | | | |
| T45 0.80 | DECONTAMINATION FACILITY | 1.07 | 1.03 | 1.02 | 1.00 | 0.97 | 0.95 | | | | | | | | | | | | |
| T45 0.90 | TANK TRAILERS | 1.07 | 1.03 | 1.02 | 1.00 | 0.97 | 0.95 | 0.93 | | | | | | | | | | | |
| T50 0.00 | TRUCKS, HIGHWAY (add attachments as required) | | | | | | | | | | | | | | | | | | |
| T50 0.01 | 0 THRU 10,000 GVW | 1.04 | 1.00 | 1.03 | 1.00 | 1.01 | 1.03 | | | | | | | | | | | | |
| T50 0.02 | OVER 10,000 THRU 30,000 GVW(CHASSIS ONLY-ADD OPTIONS) | 1.04 | 1.00 | 1.03 | 1.00 | 1.01 | 1.03 | 1.02 | | | | | | | | | | | |
| T50 0.03 | OVER 30,000 GVW (CHASSIS ONLY-ADD OPTIONS) | 1.04 | 1.00 | 1.03 | 1.00 | 1.01 | 1.03 | 1.02 | 0.99 | 0.95 | | | | | | | | | |
| T55 0.00 | TRUCKS, OFF-HIGHWAY | | | | | | | | | | | | | | | | | | |
| T55 0.10 | RIGID FRAME | 1.07 | 1.03 | 1.01 | 1.00 | 0.99 | 0.96 | 0.93 | 0.87 | 0.85 | 0.84 | 0.83 | 0.81 | 0.77 | 0.71 | 0.68 | 0.66 | 0.66 | 0.65 |
| T55 0.20 | ARTICULATED FRAME | 1.07 | 1.04 | 1.01 | 1.00 | 0.99 | 0.96 | 0.92 | | | | | | | | | | | |
| T56 0.00 | TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS | | | | | | | | | | | | | | | | | | |
| T56 0.10 | PRIME MOVER TRACTORS | 1.07 | 1.03 | 1.01 | 1.00 | 0.99 | 0.96 | 0.93 | 0.87 | 0.85 | 0.84 | 0.83 | 0.81 | 0.77 | 0.71 | 0.68 | 0.66 | 0.66 | 0.65 |
| T56 0.20 | WAGONS, BOTTOM DUMP | 1.07 | 1.04 | 1.01 | 1.00 | 0.99 | 0.96 | 0.92 | 0.86 | 0.83 | 0.83 | 0.81 | | | | | | | |
| T56 0.30 | WAGONS, REAR DUMP | 1.08 | 1.04 | 1.01 | 1.00 | 0.99 | 0.96 | 0.92 | 0.86 | 0.83 | | | | | | | | | |
| T57 0.00 | TRUCKS, VACUUM | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| T60 0.00 | TRUCKS, WATER, OFF-HIGHWAY | 1.08 | 1.04 | 1.01 | 1.00 | 0.99 | 0.96 | 0.92 | 0.86 | 0.83 | | | | | | | | | |
| T65 0.00 | TUNNEL/MINING EQUIPMENT | | | | | | | | | | | | | | | | | | |
| T65 0.10 | DRIFTING & TUNNELING DRILLS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.89 | 0.87 | | | | | | | | |
| T65 0.20 | TUNNEL BORING MACHINES | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | | | | | |
| T65 0.30 | PRODUCTION DRILLING RIGS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.89 | | | | | | | | | |
| T65 0.40 | ROADHEADERS & CONTINUOUS MINERS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.87 | 0.85 | | | | | | | |
| T65 0.50 | ROCK BOLTING EQUIPMENT | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | | | | | | | | | | | |
| T65 0.61 | LOADING & HAULING EQUIPMENT, DIESEL OR GAS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | | | | | | | |
| T65 0.62 | LOADING & HAULING EQUIPMENT, ELECTRIC | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | | | | | | | |
| T65 0.63 | LOADING & HAULING EQUIPMENT, AIR-POWERED | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | | | | | | | |
| T65 0.70 | LOCOMOTIVES | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | | | | | | | | | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| T65 0.90 | OTHER TUNNELING EQUIPMENT | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | | | | | | | |
| W10 0.00 | WAGONS, BOTTOM DUMP | 1.07 | 1.04 | 1.01 | 1.00 | 0.99 | 0.96 | 0.92 | 0.87 | 0.84 | | | | | | | | | |
| W15 0.00 | WAGONS, REAR DUMP | 1.07 | 1.04 | 1.01 | 1.00 | 0.99 | 0.96 | 0.92 | 0.87 | 0.84 | | | | | | | | | |
| W25 0.00 | WATER & CO2 BLASTERS | | | | | | | | | | | | | | | | | | |
| W25 0.10 | LOW PRESSURE, (< 5,000 PSI) | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| W25 0.20 | HIGH PRESSURE, (>= 5,000 PSI) | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| W25 0.30 | STEAM CLEANERS | 1.07 | 1.03 | 1.02 | 1.00 | | | | | | | | | | | | | | |
| W25 0.40 | CO2 BLASTERS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |
| W30 0.00 | WATER TANKS | | | | | | | | | | | | | | | | | | |
| W30 0.10 | PORTABLE WITH WHEELS | 1.08 | 1.04 | 1.01 | 1.00 | 0.99 | 0.96 | 0.92 | 0.86 | 0.83 | | | | | | | | | |
| W30 0.20 | SKID MOUNTED | 1.08 | 1.04 | 1.01 | 1.00 | 0.99 | 0.96 | 0.92 | 0.86 | 0.83 | | | | | | | | | |
| W35 0.00 | WELDERS | | | | | | | | | | | | | | | | | | |
| W35 0.10 | ENGINE DRIVEN | 1.07 | 1.03 | 1.02 | 1.00 | 0.97 | 0.95 | | | | | | | | | | | | |
| W35 0.20 | ELECTRIC DRIVEN | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | | | | | | | | | | | | | |

**TOTAL HOURLY RATE CALCULATION FOR OVERAGE EQUIPMENT**

**EXAMPLE**

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

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

B. The equipment is contractor-owned.

C. Data for the unit in question:

1. Clark front-end wheel loader
2. Model 125C, 4WD, 4 CY capacity
3. Serial number indicates year of manufacture = 1986
4. Actual purchase price in 1986 = $168,280
   (includes all regional discounts, sales tax and freight)
5. Horsepower is 203 hp (fuel is Diesel off-road)
6. Drive tire (DT) size = 23.50 x 25, 16 Ply, L-3
   DT cost (2001) = 4 tires x $1,734 = $6,936

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

1. The category L40 subcategory 0.11 (wheel loaders < 225 hp)
2. The year corresponding to the last age adjustment factor = 1995

E. Adjust the actual purchase price:

1. Economic Indexes from Appendix E (wheel loaders EK = 45)
   a. For 1995 (first year of economic life), the economic index = 5101
   b. For 1986 (year of manufacture), the economic index = 3991

2. Purchase price [total equipment value (TEV)] indexed to 1995 (first year of economic life): (Purchase price includes discount, sales tax, and freight for this region).

   (5101/3991) x $168,280 = $215,083 (=1995 purchase price)

F. 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: **N/A**

a. Equipment Specification Data:

| | | | |
|---|---|---|---|
| (1) | Equipment Description: | Clark Front-End Wheel Loader | |
| (2) | Model and Series: | Model 125 C, 4WD, 4 CY capacity | |
| (3) | Present Year or Year of Use: | | 2001 |
| (4) | Year Manufactured: | | 1986 |
| (5) | Horsepower - Equipment: | | 203 |
| (6) | Horsepower - Carrier: | | N/A |
| (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 | N/A |
| (8) | Shipping Weight (cwt): | | |

(9) Tire size and number of tires: (Cost of tires based on present year - see 1.a.(3) and Appendix F)

| | | Size/Ply | No. | Unit Price | Cost |
|---|---|---|---|---|---|
| (a) | Front (FT): | N/A | ---- | $ ------ | $ ------ |
| (b) | Drive (DT): | 23.5X25/16 ply | 4 | $ 1,734 | $ 6,936 |
| (c) | Trailing (TT): | N/A | ---- | $ ------ | $ ------ |
| (d) | Total Tire Cost: | | | | $ 6,936 |

**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): Average or Severe | AVERAGE |
| (3) | Discount Code (DC): B = 7.5% (0.075) - or - S = 15.0% (0.15) | 0.075 |
| (4) | Life in Hours (LIFE): | 10,000 |
| (5) | Salvage Value Percentage (SLV): | 0.25 |
| (6) | Fuel Factor - Equipment [Electric (E) Gas (G) Diesel (D)]: D | 0.033 |
| (7) | Fuel Factor - Carrier (E G D): | N/A |
| (8) | Filter, Oil, and Grease (FOG) Factor (E G D): | 0.445 |
| (9) | Tire Wear Factor: | |
| | (a) Front (FT): | N/A |
| | (b) Drive (DT): | 0.42 |
| | (c) Trailing (TT): | N/A |
| (10) | Repair Cost Factor (RCF): | 0.70 |

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

**2. EQUIPMENT VALUE**

a. List Price + Accessories: *[at Year (yr) 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) [2.a.(2)] x (Tax Rate) [Appendix B]

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

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

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

( ------ cwt) x ($ ------ /cwt) =+$ ------

**c. TOTAL EQUIPMENT VALUE (TEV):** **TOTAL [2.]: =$** 215,083
[(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]

( 10,000 hr) / ( 1,480 hr/yr) = 6.76 yr(N)

**4. OWNERSHIP COST**

a. Depreciation

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

( 2559 (for 1995) ) / ( 2449 (for 2001) ) = 1.04 (TCI)

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

[($ 215,083 ) x [1.0 – ( 0.25 )] - [( 1.04 ) x ($ 6,936 )]] / ( 10,000 hr)

=$ 15.41 /hr



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

**4. OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

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

[[( 6.76 yr) - 1.0] x [1.0 + ( 0.25 )] + 2.0] / [2.0 x ( 6.76 yr)] = 0.680 (AVF)

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

($ 215,083 ) x ( 0.680 ) x ( 0.051 ) / ( 1,480 hr/yr)

=$ 5.04 /hr

c. **TOTAL HOURLY OWNERSHIP COST:** **TOTAL [4.]:** =$ 20.45 /hr
[4.a.(2)] + [4.b.(2)]

**5. OPERATING COST**

a. Fuel Costs:

(1) Equipment:

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

( 0.033 ) x ( 203 hp) x ($ 1.44 /gal) =$ 9.65 /hr

(2) Carrier:

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

( ------ ) x ( ------ hp) x ($ ------ /gal) =$ ------ /hr

(3) Total Hourly Fuel Cost: **Total [5.a.]** =$ 9.65 /hr
[(5.a (1)] + [5.a (2)]

b. FOG Cost:

(1) Equipment:

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

( 0.445 ) x ($ 9.65 /hr) x ( 1.23 ) =$ 5.28 /hr



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

**5. OPERATING COST (Continued)**

(2) Carrier:

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

( ------ ) x ($ ------ /hr) x ( ------ ) =$ ------ /hr

(3) Total Hourly FOG Cost: **Total [5.b.]** =$ 5.28 /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 1a.(3)) [Appendix E] / (Economic Index for Year 1a.(4)) [Appendix E]

( 5745 (for 2001) ) / ( 5101 (for 1995*) ) = 1.126 (EAF)

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

(2) Repair Factor (RF):

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

( 0.70 ) x ( 1.126 ) x ( 1.23 ) = 0.969 (RF)

(3) Repair Cost

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

[($ 215,083 ) - [( 1.04 ) x ($ 6,936 )]] x ( 0.969 ) / ( 10,000 )

(4) Total Hourly Repair Cost: **Total [5.d.]** =$ 20.14 /hr

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

**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 F ]

[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 F]

[1.5 x ($ 6,936 )] / [1.8 x ( 0.42 ) x ( 3,200 hr)]

=$ 4.30 /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 F]

[1.5 x ($ ------ )] / [1.8 x ( ------ ) x ( ------ hr)]

=$ ------ /hr

(4) Total Tire Wear Cost: **Total [5.e.]** =$ 4.30 /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]

($ 4.30 /hr x 0.15 x ( 1.23 ) **Total [5.f.]** =$ 0.79 /hr

**g. TOTAL HOURLY OPERATING COST:** **TOTAL [5.]: =$** 40.16 **/hr**
[Sum 5.a. through 5.f.]

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

**6. HOURLY RATES**

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

(Ownership Cost) [4.c.] + (Operating Cost) [5.g.]

($ 20.45 /hr) + ($ 40.16 /hr) =$ 60.61 /hr

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

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

[($ ------ /hr) + [($ ------ /hr) x (40 hr/wk) / ( ---- hr/wk)] + ($ ------ /hr)]

=$ **N/A** /hr

c. Standby Hourly Rate:

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

[($ ------ /hr) x 0.50] + ($ ------ /hr) =$ **N/A** /hr

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

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

## 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 “life” 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 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| A10 0.00 | AGGREGATE / CHIP SPREADERS | | | | | | | | | | | | | | | | | | |
| A10 0.10 | SELF-PROPELLED | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.94 | 0.91 | 0.89 | 0.87 | 0.84 | 0.85 | 0.80 | 0.77 | 0.75 | 0.73 | 0.71 | 0.71 | 0.69 |
| A10 0.20 | TOWED & TAILGATE | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.84 | 0.80 | 0.76 | 0.74 | 0.72 | 0.70 | 0.70 | 0.68 |
| A15 0.00 | AIR COMPRESSORS, PORTABLE | | | | | | | | | | | | | | | | | | |
| A15 0.10 | ROTARY SCREW | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | 0.99 | 0.97 | 0.97 | 0.96 | 0.94 | 0.94 | 0.90 | 0.85 | 0.81 | 0.81 | 0.82 | 0.79 |
| A15 0.20 | SHOP TYPE | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | 0.99 | 0.97 | 0.97 | 0.97 | 0.94 | 0.94 | 0.90 | 0.86 | 0.82 | 0.82 | 0.82 | 0.80 |
| A20 0.00 | AIR HOSE, TOOLS & EQUIPMENT | | | | | | | | | | | | | | | | | | |
| A20 0.10 | AIR HOSE | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | 0.99 | 0.97 | 0.97 | 0.97 | 0.94 | 0.94 | 0.91 | 0.86 | 0.83 | 0.82 | 0.83 | 0.80 |
| A20 0.20 | SANDBLAST HOSE | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | 0.99 | 0.97 | 0.97 | 0.97 | 0.94 | 0.94 | 0.91 | 0.86 | 0.83 | 0.82 | 0.83 | 0.80 |
| A20 0.30 | SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | 0.99 | 0.97 | 0.97 | 0.97 | 0.94 | 0.94 | 0.90 | 0.86 | 0.82 | 0.82 | 0.82 | 0.80 |
| A25 0.00 | ASPHALT PAVING DISTRIBUTORS | 1.07 | 1.04 | 1.01 | 1.00 | 0.97 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.85 | 0.81 | 0.78 | 0.76 | 0.74 | 0.73 | 0.73 | 0.71 |
| A30 0.00 | ASPHALT PAVERS & MISCELLANEOUS ROAD EQUIPMENT | | | | | | | | | | | | | | | | | | |
| A30 0.10 | SELF PROPELLED | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.94 | 0.92 | 0.89 | 0.88 | 0.85 | 0.85 | 0.81 | 0.78 | 0.75 | 0.74 | 0.72 | 0.72 | 0.70 |
| A30 0.20 | TOWED | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.94 | 0.92 | 0.89 | 0.87 | 0.84 | 0.85 | 0.80 | 0.77 | 0.75 | 0.73 | 0.72 | 0.72 | 0.69 |
| A30 0.30 | SLURRY SEAL PAVERS (COLD MIX) | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.94 | 0.92 | 0.89 | 0.88 | 0.85 | 0.85 | 0.81 | 0.78 | 0.75 | 0.74 | 0.72 | 0.72 | 0.70 |
| A30 0.40 | MISCELLANEOUS ROAD EQUIPMENT | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.94 | 0.92 | 0.89 | 0.87 | 0.84 | 0.85 | 0.80 | 0.77 | 0.75 | 0.73 | 0.72 | 0.72 | 0.69 |
| A35 0.00 | ASPHALT PAVING KETTLES | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.84 | 0.80 | 0.76 | 0.74 | 0.72 | 0.70 | 0.70 | 0.68 |
| A40 0.00 | ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.84 | 0.80 | 0.76 | 0.74 | 0.72 | 0.70 | 0.70 | 0.68 |
| A45 0.00 | ASPHALT RECYCLERS & SEALERS | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.84 | 0.79 | 0.76 | 0.74 | 0.72 | 0.70 | 0.70 | 0.68 |
| B10 0.00 | BATCH PLANTS (ASPHALT & CONCRETE) | | | | | | | | | | | | | | | | | | |
| B10 0.10 | ASPHALT | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.94 | 0.91 | 0.89 | 0.87 | 0.84 | 0.85 | 0.80 | 0.77 | 0.75 | 0.73 | 0.71 | 0.71 | 0.69 |
| B10 0.20 | CONCRETE | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.94 | 0.91 | 0.89 | 0.87 | 0.84 | 0.85 | 0.80 | 0.77 | 0.75 | 0.73 | 0.71 | 0.71 | 0.69 |
| B10 0.30 | PUGMILL | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.94 | 0.92 | 0.89 | 0.87 | 0.84 | 0.85 | 0.80 | 0.77 | 0.75 | 0.73 | 0.72 | 0.72 | 0.69 |
| B15 0.00 | BROOMS, STREET SWEEPERS & FLUSHERS | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.79 | 0.75 | 0.73 | 0.72 | 0.71 | 0.70 |
| B20 0.00 | BRUSH CHIPPERS | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.79 | 0.75 | 0.73 | 0.72 | 0.71 | 0.70 |
| B25 0.00 | BUCKETS, CLAMSHELL | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | 0.96 | 0.96 | 0.96 | 0.92 | 0.84 | 0.80 | 0.75 | 0.68 | 0.67 | 0.66 | 0.65 | 0.63 |
| B30 0.00 | BUCKETS, CONCRETE | | | | | | | | | | | | | | | | | | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| B30 0.10 | GENERAL PURPOSE, MANUAL TRIP | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | 0.96 | 0.96 | 0.96 | 0.92 | 0.85 | 0.81 | 0.76 | 0.69 | 0.68 | 0.67 | 0.66 | 0.64 |
| B30 0.20 | LAYDOWN | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | 0.96 | 0.96 | 0.96 | 0.92 | 0.85 | 0.81 | 0.76 | 0.69 | 0.68 | 0.67 | 0.66 | 0.64 |
| B30 0.30 | LOWBOY | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | 0.96 | 0.96 | 0.96 | 0.92 | 0.85 | 0.81 | 0.76 | 0.69 | 0.68 | 0.67 | 0.66 | 0.64 |
| B30 0.40 | LOW SLUMP | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | 0.96 | 0.96 | 0.96 | 0.92 | 0.85 | 0.81 | 0.76 | 0.69 | 0.68 | 0.67 | 0.66 | 0.64 |
| B35 0.00 | BUCKETS, DRAGLINE | | | | | | | | | | | | | | | | | | |
| B35 0.10 | LIGHT WEIGHT | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | 0.96 | 0.96 | 0.96 | 0.92 | 0.84 | 0.80 | 0.75 | 0.68 | 0.67 | 0.66 | 0.65 | 0.63 |
| B35 0.20 | MEDIUM WEIGHT | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | 0.96 | 0.96 | 0.96 | 0.92 | 0.84 | 0.80 | 0.75 | 0.68 | 0.67 | 0.66 | 0.65 | 0.63 |
| B35 0.30 | HEAVY WEIGHT | 1.03 | 1.00 | 1.01 | 1.00 | 0.99 | 0.98 | 0.96 | 0.96 | 0.96 | 0.92 | 0.84 | 0.80 | 0.75 | 0.69 | 0.67 | 0.66 | 0.65 | 0.63 |
| C05 0.00 | CHAIN SAWS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.79 | 0.75 | 0.72 | 0.71 | 0.70 | 0.68 |
| C10 0.00 | COMPACTORS, WALK-BEHIND OR REMOTE CONTROLLER | | | | | | | | | | | | | | | | | | |
| C10 0.10 | COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.91 | 0.88 | 0.86 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | 0.70 |
| C10 0.20 | ROLLERS, VIBRATORY | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| C15 0.00 | CONCRETE CLEANERS / BLASTERS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.89 | 0.86 | 0.83 | 0.80 | 0.77 | 0.72 | 0.70 | 0.68 | 0.67 | 0.66 |
| C20 0.00 | CONCRETE BUGGIES | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.89 | 0.86 | 0.83 | 0.80 | 0.77 | 0.72 | 0.70 | 0.68 | 0.67 | 0.66 |
| C25 0.00 | CONCRETE FINISHERS/SCREEDS/SPREADERS | | | | | | | | | | | | | | | | | | |
| C25 0.10 | FINISHERS/TROWELS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.70 | 0.69 | 0.68 | 0.66 |
| C25 0.20 | VIBRATORY SCREED | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.70 | 0.69 | 0.68 | 0.66 |
| C25 0.25 | VIBRATORY LASER SCREED | 1.07 | 1.03 | 1.02 | 1.00 | 0.97 | 0.95 | 0.93 | 0.90 | 0.89 | 0.86 | 0.83 | 0.80 | 0.76 | 0.72 | 0.69 | 0.67 | 0.66 | 0.65 |
| C25 0.30 | MATERIAL/TOPPING SPREADERS | 1.07 | 1.03 | 1.02 | 1.00 | 0.97 | 0.95 | 0.93 | 0.90 | 0.89 | 0.86 | 0.83 | 0.80 | 0.76 | 0.72 | 0.69 | 0.67 | 0.66 | 0.65 |
| C30 0.00 | CONCRETE GRINDERS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.70 | 0.69 | 0.68 | 0.66 |
| C35 0.00 | CONCRETE GUNITERS / SHOTCRETERS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.89 | 0.86 | 0.83 | 0.80 | 0.77 | 0.72 | 0.70 | 0.68 | 0.67 | 0.66 |
| C40 0.00 | CONCRETE MIXING UNITS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.70 | 0.69 | 0.68 | 0.66 |
| C45 0.00 | CONCRETE PAVING MACHINES | 1.08 | 1.04 | 1.02 | 1.00 | 0.97 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.84 | 0.80 | 0.76 | 0.74 | 0.72 | 0.70 | 0.70 | 0.68 |
| C55 0.00 | CONCRETE PUMPS | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.79 | 0.75 | 0.73 | 0.72 | 0.71 | 0.70 |
| C60 0.00 | CONCRETE SAWS (sawblade wear not included) | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.75 | 0.73 | 0.71 | 0.70 | 0.69 |
| C65 0.00 | CONCRETE VIBRATORS | 1.02 | 1.00 | 1.00 | 1.00 | 1.00 | 0.99 | 0.99 | 0.97 | 0.97 | 0.97 | 0.94 | 0.94 | 0.90 | 0.86 | 0.82 | 0.81 | 0.82 | 0.79 |
| C70 0.00 | CRANES, GANTRY & STRADDLE | | | | | | | | | | | | | | | | | | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| C75 0.00 | CRANES, HYDRAULIC, SELF-PROPELLED | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| C80 0.00 | CRANES, HYDRAULIC, TRUCK MOUNTED | | | | | | | | | | | | | | | | | | |
| C80 0.01 | UNDER 26 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.75 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| C80 0.02 | 26 TON THRU 65 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.79 | 0.75 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| C80 0.03 | 66 TON THRU 125 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.82 | 0.79 | 0.75 | 0.70 | 0.68 | 0.66 | 0.64 | 0.63 |
| C80 0.04 | OVER 125 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.82 | 0.79 | 0.75 | 0.70 | 0.68 | 0.66 | 0.64 | 0.63 |
| C85 0.00 | CRANES, MECHANICAL, LATTICE BOOM, CRAWLER MOUNTED | | | | | | | | | | | | | | | | | | |
| C85 0.11 | DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | 0.68 | 0.66 | 0.64 | 0.62 | 0.61 |
| C85 0.12 | DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | 0.68 | 0.67 | 0.64 | 0.62 | 0.61 |
| C85 0.13 | DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.75 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| C85 0.14 | DRAGLINE, CLAMSHELL, OVER 5.0 CY | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.79 | 0.75 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| C85 0.21 | LIFTING, 0 THRU 25 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | 0.68 | 0.67 | 0.64 | 0.62 | 0.61 |
| C85 0.22 | LIFTING, 26 TON THRU 50 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.75 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| C85 0.23 | LIFTING, 51 TON THRU 150 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.82 | 0.79 | 0.75 | 0.70 | 0.68 | 0.66 | 0.64 | 0.63 |
| C85 0.24 | LIFTING, OVER 150 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.82 | 0.79 | 0.75 | 0.70 | 0.68 | 0.66 | 0.64 | 0.63 |
| C90 0.00 | CRANES, MECHANICAL, LATTICE BOOM, TRUCK MOUNTED | | | | | | | | | | | | | | | | | | |
| C90 0.01 | UNDER 26 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.75 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| C90 0.02 | 26 TON THRU 65 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.79 | 0.75 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| C90 0.03 | 66 TON THRU 125 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.79 | 0.75 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| C90 0.04 | OVER 125 TON | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.82 | 0.79 | 0.75 | 0.70 | 0.68 | 0.65 | 0.64 | 0.63 |
| C95 0.00 | CRANES, TOWER | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.75 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| D10 0.00 | DRILLS,AIR/HYDRAULIC,CRWLR MTD,0" THRU 6.5" DIA HOLE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.89 | 0.87 | 0.86 | 0.83 | 0.80 | 0.75 | 0.74 | 0.74 | 0.76 | 0.75 |
| D15 0.00 | DRILLS, HORIZONTAL BORING & GROUND PIERCING | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.90 | 0.89 | 0.87 | 0.86 | 0.83 | 0.79 | 0.74 | 0.74 | 0.74 | 0.75 | 0.74 |
| D20 0.00 | DRILLS, CORE, COLUMN MOUNTED | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.90 | 0.89 | 0.86 | 0.85 | 0.82 | 0.79 | 0.74 | 0.73 | 0.73 | 0.75 | 0.74 |
| D25 0.00 | DRILLS, CORE, SKID MOUNTED | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.90 | 0.89 | 0.87 | 0.86 | 0.83 | 0.79 | 0.74 | 0.74 | 0.74 | 0.75 | 0.74 |
| D30 0.00 | DRILLS, EARTH / AUGER | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.90 | 0.89 | 0.87 | 0.86 | 0.83 | 0.79 | 0.74 | 0.74 | 0.74 | 0.75 | 0.74 |
| D35 0.00 | DRILLS, ROTARY BLASTHOLE | | | | | | | | | | | | | | | | | | |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| D35 0.11 | DIESEL, 4.5" THRU 9.875" DIAMETER HOLE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.89 | 0.87 | 0.86 | 0.83 | 0.80 | 0.75 | 0.75 | 0.75 | 0.76 | 0.75 |
| D35 0.12 | DIESEL, OVER 9.875" DIAMETER | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.90 | 0.87 | 0.86 | 0.84 | 0.81 | 0.76 | 0.76 | 0.75 | 0.77 | 0.76 |
| D35 0.21 | ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.89 | 0.87 | 0.86 | 0.83 | 0.80 | 0.75 | 0.75 | 0.75 | 0.76 | 0.75 |
| D35 0.22 | ELECTRIC, OVER 9.875" DIAMETER | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.90 | 0.87 | 0.86 | 0.84 | 0.81 | 0.76 | 0.76 | 0.75 | 0.77 | 0.76 |
| F10 0.00 | FORK LIFTS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.78 | 0.74 | 0.72 | 0.70 | 0.69 | 0.68 |
| G10 0.00 | GENERATOR SETS | | | | | | | | | | | | | | | | | | |
| G10 0.10 | PORTABLE | 1.04 | 1.00 | 1.00 | 1.00 | 0.99 | 1.00 | 0.99 | 0.96 | 0.95 | 0.93 | 0.92 | 0.91 | 0.88 | 0.82 | 0.78 | 0.76 | 0.76 | 0.74 |
| G10 0.20 | SKID MOUNTED | 1.04 | 1.00 | 1.00 | 1.00 | 0.99 | 1.00 | 0.99 | 0.96 | 0.95 | 0.93 | 0.92 | 0.91 | 0.88 | 0.83 | 0.78 | 0.77 | 0.76 | 0.74 |
| G15 0.00 | GRADERS, MOTOR | 1.09 | 1.05 | 1.03 | 1.00 | 0.97 | 0.96 | 0.90 | 0.88 | 0.86 | 0.80 | 0.77 | 0.74 | 0.72 | 0.67 | 0.66 | 0.63 | 0.62 | 0.60 |
| H10 0.00 | HAMMERS, HYDRAULIC (DEMOLITION TOOL) | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.71 | 0.69 | 0.68 | 0.67 |
| H13 0.00 | HAZARDOUS/TOXIC WASTE EQUIPMENT | | | | | | | | | | | | | | | | | | |
| H13 0.11 | COMPACTORS (COMPRESSION FORCE) 0 THRU 50 TONS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.75 | 0.73 | 0.71 | 0.70 | 0.69 |
| H13 0.12 | COMPACTORS (COMPRESSION FORCE) OVER 50 TONS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.79 | 0.75 | 0.72 | 0.71 | 0.70 | 0.69 |
| H13 0.21 | FILTER PRESSES, STATIONARY | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.78 | 0.74 | 0.72 | 0.70 | 0.69 | 0.68 |
| H13 0.22 | FILTER PRESSES, MOBILE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.75 | 0.73 | 0.71 | 0.70 | 0.69 |
| H13 0.30 | CENTRIFUGES | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.89 | 0.86 | 0.83 | 0.80 | 0.77 | 0.72 | 0.70 | 0.68 | 0.67 | 0.66 |
| H13 0.40 | SHREDDERS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.75 | 0.73 | 0.71 | 0.70 | 0.69 |
| H13 0.51 | SOIL TREATMENT PLANT, MOBILE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.75 | 0.73 | 0.71 | 0.70 | 0.69 |
| H13 0.61 | SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.75 | 0.73 | 0.71 | 0.70 | 0.69 |
| H13 0.71 | WASTE HANDLING EQUIPMENT, DRUM HANDLING | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| H15 0.00 | HEATERS, SPACE | | | | | | | | | | | | | | | | | | |
| H20 0.00 | HOISTS & AIR WINCHES | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.82 | 0.78 | 0.74 | 0.72 | 0.70 | 0.69 | 0.68 |
| H25 0.00 | HYDRAULIC EXCAVATORS, CRAWLER MOUNTED | | | | | | | | | | | | | | | | | | |
| H25 0.11 | 0 LBS THRU 40,000 LBS | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.89 | 0.85 | 0.79 | 0.76 | 0.72 | 0.66 | 0.64 | 0.61 | 0.59 | 0.58 |
| H25 0.12 | OVER 40,000 LBS THRU 100,000 LBS | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.89 | 0.85 | 0.80 | 0.77 | 0.73 | 0.67 | 0.65 | 0.62 | 0.60 | 0.59 |
| H25 0.13 | OVER 100,000 LBS THRU 160,000 LBS | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | 0.68 | 0.66 | 0.64 | 0.62 | 0.61 |
| H25 0.14 | OVER 160,000 LBS | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.82 | 0.79 | 0.75 | 0.70 | 0.68 | 0.66 | 0.64 | 0.63 |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| H25 0.21 | ATTACHMENTS, MOBILE SHEARS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.78 | 0.74 | 0.72 | 0.70 | 0.69 | 0.68 |
| H25 0.22 | ATTACHMENTS, MATERIAL HANDLING | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.71 | 0.69 | 0.68 | 0.67 |
| H25 0.23 | ATTACHMENTS, CONCRETE PULVERIZERS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.78 | 0.74 | 0.72 | 0.70 | 0.69 | 0.68 |
| H25 0.24 | ATTACHMENTS, COMPACTORS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.78 | 0.74 | 0.72 | 0.70 | 0.69 | 0.68 |
| H30 0.00 | HYDRAULIC EXCAVATORS, WHEEL MOUNTED | | | | | | | | | | | | | | | | | | |
| H30 0.01 | 0 THRU 1.0 CY | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.89 | 0.84 | 0.79 | 0.76 | 0.71 | 0.65 | 0.63 | 0.60 | 0.58 | 0.57 |
| H30 0.02 | OVER 1.0 CY | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.92 | 0.90 | 0.89 | 0.85 | 0.79 | 0.76 | 0.72 | 0.66 | 0.64 | 0.61 | 0.59 | 0.58 |
| H35 0.00 | HYDRAULIC SHOVELS, CRAWLER MOUNTED | | | | | | | | | | | | | | | | | | |
| H35 0.11 | DIESEL, 0 CY THRU 5.0 CY | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.75 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| H35 0.12 | DIESEL, OVER 5.0 CY | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.91 | 0.87 | 0.83 | 0.80 | 0.76 | 0.71 | 0.69 | 0.67 | 0.66 | 0.65 |
| H35 0.21 | ELECTRIC, OVER 2.5 CY | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.75 | 0.69 | 0.67 | 0.65 | 0.63 | 0.62 |
| L10 0.00 | LAND CLEARING EQUIPMENT | 1.08 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.86 | 0.81 | 0.78 | 0.76 | 0.73 | 0.68 | 0.64 | 0.61 | 0.61 | 0.61 |
| L15 0.00 | LANDSCAPING EQUIPMENT | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| L20 0.00 | LIGHTING SETS, TRAILER MOUNTED | | | | | | | | | | | | | | | | | | |
| L20 0.10 | METALLIC VAPOR | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| L25 0.00 | LINE STRIPING EQUIPMENT | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| L30 0.00 | LOADERS, BELT (CONVEYOR BELTS) & ACCESSORIES | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.78 | 0.74 | 0.72 | 0.70 | 0.69 | 0.68 |
| L35 0.00 | LOADERS, FRONT END, CRAWLER TYPE | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.93 | 0.89 | 0.86 | 0.81 | 0.78 | 0.75 | 0.72 | 0.68 | 0.63 | 0.60 | 0.60 | 0.60 |
| L40 0.00 | LOADERS, FRONT END, WHEEL TYPE | | | | | | | | | | | | | | | | | | |
| L40 0.11 | ARTICULATED, 0 THRU 225 HP | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.89 | 0.86 | 0.83 | 0.81 | 0.79 | 0.75 | 0.72 | 0.70 | 0.69 | 0.69 |
| L40 0.12 | ARTICULATED, OVER 225 HP | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.94 | 0.91 | 0.89 | 0.87 | 0.84 | 0.82 | 0.80 | 0.76 | 0.73 | 0.71 | 0.71 | 0.70 |
| L40 0.20 | SKID STEER | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.89 | 0.86 | 0.84 | 0.81 | 0.79 | 0.75 | 0.72 | 0.70 | 0.70 | 0.69 |
| L40 0.21 | SKID STEER ATTACHMENTS | 1.07 | 1.04 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.86 | 0.83 | 0.80 | 0.78 | 0.74 | 0.71 | 0.68 | 0.68 | 0.67 |
| L40 0.31 | TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.89 | 0.86 | 0.83 | 0.81 | 0.79 | 0.75 | 0.72 | 0.70 | 0.69 | 0.69 |
| L40 0.32 | TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.94 | 0.92 | 0.90 | 0.87 | 0.85 | 0.83 | 0.80 | 0.77 | 0.74 | 0.72 | 0.71 | 0.71 |
| L45 0.00 | LOADERS / BACKHOE, CRAWLER TYPE | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.93 | 0.89 | 0.86 | 0.81 | 0.78 | 0.75 | 0.72 | 0.68 | 0.63 | 0.60 | 0.60 | 0.60 |
| L50 0.00 | LOADERS / BACKHOE, WHEEL TYPE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.89 | 0.86 | 0.83 | 0.81 | 0.79 | 0.75 | 0.72 | 0.70 | 0.69 | 0.69 |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| L55 0.00 | LOADER / BACKHOE, ATTACHMENTS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.71 | 0.69 | 0.68 | 0.67 |
| L60 0.00 | LOG SKIDDERS | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.96 | 0.95 | 0.92 | 0.90 | 0.88 | 0.86 | 0.84 | 0.82 | 0.80 | 0.79 | 0.79 | 0.75 |
| M10 0.00 | MARINE EQUIPMENT (NON DREDGING) | | | | | | | | | | | | | | | | | | |
| M10 0.11 | AQUATIC MAINTENANCE | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.75 | 0.72 | 0.68 | 0.68 | 0.67 | 0.65 | 0.63 |
| M10 0.12 | AQUATIC MAINTENACE ATTACHMENTS | 1.07 | 1.03 | 1.01 | 1.00 | 0.98 | 0.94 | 0.90 | 0.88 | 0.87 | 0.82 | 0.77 | 0.74 | 0.70 | 0.66 | 0.65 | 0.65 | 0.62 | 0.60 |
| M10 0.21 | HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABL | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.80 | 0.77 | 0.73 | 0.70 | 0.69 | 0.69 | 0.67 | 0.65 |
| M10 0.22 | HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.80 | 0.77 | 0.73 | 0.70 | 0.69 | 0.69 | 0.67 | 0.65 |
| M10 0.23 | HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.80 | 0.77 | 0.73 | 0.70 | 0.69 | 0.69 | 0.67 | 0.65 |
| M10 0.24 | HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.69 | 0.68 | 0.68 | 0.66 | 0.64 |
| M10 0.25 | HYDRUALIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | 0.90 | 0.89 | 0.87 | 0.83 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 | 0.66 | 0.64 | 0.62 |
| M10 0.26 | HYDRAULIC DREDGE / PUMP ATTACHMENTS | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | 0.90 | 0.89 | 0.87 | 0.83 | 0.78 | 0.75 | 0.71 | 0.68 | 0.67 | 0.66 | 0.64 | 0.62 |
| M10 0.31 | SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.82 | 0.79 | 0.75 | 0.70 | 0.68 | 0.66 | 0.64 | 0.63 |
| M10 0.32 | SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | 0.68 | 0.66 | 0.64 | 0.62 | 0.61 |
| M10 0.33 | SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.80 | 0.77 | 0.73 | 0.70 | 0.69 | 0.69 | 0.67 | 0.65 |
| M10 0.41 | WORK FLOATS (NON-DREDGING) | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.72 | 0.69 | 0.68 | 0.68 | 0.65 | 0.63 |
| M10 0.42 | WORK BARGES (SECTIONAL, NON-DREDGING) | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.90 | 0.89 | 0.85 | 0.80 | 0.77 | 0.74 | 0.71 | 0.70 | 0.70 | 0.68 | 0.66 |
| M10 0.45 | FLAT-DECK OR CARGO BARGE (NON-DREDGING) | 1.06 | 1.02 | 1.01 | 1.00 | 0.99 | 0.95 | 0.92 | 0.90 | 0.89 | 0.85 | 0.81 | 0.78 | 0.75 | 0.72 | 0.71 | 0.71 | 0.69 | 0.67 |
| M10 0.46 | DUMP SCOW (NON-DREDGING) | 1.06 | 1.02 | 1.01 | 1.00 | 0.99 | 0.95 | 0.92 | 0.90 | 0.89 | 0.85 | 0.81 | 0.78 | 0.75 | 0.72 | 0.71 | 0.71 | 0.69 | 0.67 |
| M10 0.47 | DRILL BARGE (NON-DREDGING) | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.90 | 0.89 | 0.85 | 0.80 | 0.77 | 0.74 | 0.71 | 0.70 | 0.70 | 0.68 | 0.66 |
| M10 0.48 | ALL OTHER BARGES (NON-DREDGING) | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.90 | 0.89 | 0.85 | 0.80 | 0.77 | 0.74 | 0.71 | 0.70 | 0.70 | 0.68 | 0.66 |
| M10 0.51 | BOATS & LAUNCHES, 0 THRU 250 HP | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.79 | 0.76 | 0.73 | 0.70 | 0.69 | 0.68 | 0.66 | 0.64 |
| M10 0.53 | BOATS & LAUNCHES, 251 THRU 500 HP | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.95 | 0.91 | 0.89 | 0.88 | 0.84 | 0.80 | 0.76 | 0.73 | 0.70 | 0.69 | 0.69 | 0.67 | 0.64 |
| M10 0.54 | TUGS, 501 THRU 1,000 HP | 1.06 | 1.02 | 1.01 | 1.00 | 0.99 | 0.95 | 0.92 | 0.90 | 0.89 | 0.85 | 0.81 | 0.78 | 0.75 | 0.72 | 0.71 | 0.71 | 0.69 | 0.67 |
| M10 0.55 | TUGS, 1,000 THRU 2,000 HP | 1.05 | 1.02 | 1.01 | 1.00 | 0.99 | 0.95 | 0.92 | 0.90 | 0.89 | 0.86 | 0.81 | 0.78 | 0.75 | 0.72 | 0.72 | 0.71 | 0.69 | 0.67 |
| P10 0.00 | PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS | 1.08 | 1.03 | 1.02 | 1.00 | 0.97 | 0.95 | 0.92 | 0.89 | 0.88 | 0.85 | 0.81 | 0.78 | 0.74 | 0.69 | 0.66 | 0.64 | 0.63 | 0.62 |
| P20 0.00 | PILE HAMMERS, DOUBLE ACTING | | | | | | | | | | | | | | | | | | |
| P20 0.10 | DIESEL | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.95 | 0.93 | 0.90 | 0.89 | 0.86 | 0.83 | 0.80 | 0.76 | 0.72 | 0.69 | 0.68 | 0.66 | 0.65 |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| P20 0.20 | STEAM | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.71 | 0.69 | 0.68 | 0.67 |
| P25 0.00 | PILE HAMMERS, SINGLE ACTING | | | | | | | | | | | | | | | | | | |
| P25 0.10 | DIESEL | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.71 | 0.69 | 0.68 | 0.67 |
| P25 0.20 | STEAM | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.78 | 0.74 | 0.72 | 0.70 | 0.69 | 0.68 |
| P30 0.00 | PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.71 | 0.69 | 0.68 | 0.67 |
| P35 0.00 | PIPELAYERS | 1.08 | 1.04 | 1.03 | 1.00 | 0.98 | 0.97 | 0.93 | 0.90 | 0.87 | 0.82 | 0.80 | 0.77 | 0.75 | 0.70 | 0.66 | 0.63 | 0.63 | 0.63 |
| P40 0.00 | PLATFORMS & MAN-LIFTS | 1.05 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.86 | 0.81 | 0.78 | 0.74 | 0.69 | 0.67 | 0.64 | 0.63 | 0.61 |
| P45 0.00 | PUMPS, GROUT | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.79 | 0.75 | 0.72 | 0.71 | 0.70 | 0.68 |
| P50 0.00 | PUMPS, WATER, CENTRIFUGAL, TRASH | | | | | | | | | | | | | | | | | | |
| P50 0.11 | SKID MOUNTED, ENGINE DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| P50 0.12 | SKID MOUNTED, ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| P50 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| P50 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| P50 0.31 | HOSES, PUMP, SUCTION & DISCHARGE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.75 | 0.73 | 0.71 | 0.70 | 0.69 |
| P55 0.00 | PUMPS, WATER, SUBMERSIBLE | | | | | | | | | | | | | | | | | | |
| P55 0.01 | ENGINE DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| P55 0.02 | ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.79 | 0.75 | 0.72 | 0.71 | 0.70 | 0.68 |
| P60 0.00 | PUMPS, WATER, CENTRIFUGAL, DEWATERING | | | | | | | | | | | | | | | | | | |
| P60 0.11 | SKID MOUNTED, ENGINE DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| P60 0.12 | SKID MOUNTED, ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.79 | 0.75 | 0.72 | 0.71 | 0.70 | 0.68 |
| P60 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| P60 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.79 | 0.75 | 0.72 | 0.71 | 0.70 | 0.68 |
| P65 0.00 | PUMPS, WATER, DIAPHRAGM | | | | | | | | | | | | | | | | | | |
| P65 0.11 | SKID MOUNTED, ENGINE DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| P65 0.12 | SKID MOUNTED, ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.79 | 0.75 | 0.72 | 0.71 | 0.70 | 0.68 |
| P65 0.21 | WHEEL MOUNTED, ENGINE DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| P65 0.22 | WHEEL MOUNTED, ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.79 | 0.75 | 0.72 | 0.71 | 0.70 | 0.68 |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| P70 0.00 | PUMPS, WATER (FOR CORE DRILLS) | | | | | | | | | | | | | | | | | | |
| P70 0.01 | ENGINE DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.70 | 0.68 | 0.67 | 0.66 |
| P70 0.02 | ELECTRIC DRIVE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.70 | 0.68 | 0.67 | 0.66 |
| R10 0.00 | RIPPERS & HYDRAULIC BANK SLOPERS(no point wear included) | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.93 | 0.89 | 0.86 | 0.81 | 0.78 | 0.75 | 0.72 | 0.68 | 0.63 | 0.60 | 0.60 | 0.60 |
| R15 0.00 | ROLLERS, STATIC, TOWED, PNEUMATIC | 1.04 | 1.01 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.92 | 0.87 | 0.86 | 0.91 | 0.90 | 0.87 | 0.85 | 0.81 | 0.79 | 0.78 | 0.74 |
| R20 0.00 | ROLLERS, STATIC, TOWED, STEEL DRUM | 1.04 | 1.01 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.92 | 0.87 | 0.86 | 0.91 | 0.90 | 0.87 | 0.85 | 0.81 | 0.79 | 0.78 | 0.74 |
| R30 0.00 | ROLLERS, STATIC, SELF-PROPELLED | | | | | | | | | | | | | | | | | | |
| R30 0.01 | PNEUMATIC | 1.04 | 1.01 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.92 | 0.87 | 0.86 | 0.91 | 0.90 | 0.87 | 0.85 | 0.81 | 0.80 | 0.78 | 0.75 |
| R30 0.02 | SMOOTH DRUM | 1.04 | 1.01 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.92 | 0.87 | 0.86 | 0.91 | 0.90 | 0.87 | 0.85 | 0.81 | 0.80 | 0.79 | 0.75 |
| R30 0.03 | TAMPING FOOT, LANDFILL & SOIL COMPACTORS | 1.04 | 1.01 | 1.02 | 1.00 | 0.98 | 0.97 | 0.95 | 0.92 | 0.87 | 0.86 | 0.91 | 0.90 | 0.87 | 0.85 | 0.81 | 0.80 | 0.78 | 0.75 |
| R40 0.00 | ROLLERS, VIBRATORY, TOWED | 1.05 | 1.01 | 1.03 | 1.00 | 0.98 | 0.97 | 0.95 | 0.92 | 0.86 | 0.86 | 0.90 | 0.90 | 0.87 | 0.85 | 0.80 | 0.79 | 0.77 | 0.74 |
| R45 0.00 | ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM | 1.05 | 1.01 | 1.03 | 1.00 | 0.98 | 0.97 | 0.95 | 0.92 | 0.86 | 0.86 | 0.90 | 0.90 | 0.87 | 0.85 | 0.80 | 0.79 | 0.77 | 0.74 |
| R50 0.00 | ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM | 1.05 | 1.01 | 1.03 | 1.00 | 0.98 | 0.97 | 0.94 | 0.91 | 0.86 | 0.85 | 0.90 | 0.89 | 0.86 | 0.84 | 0.80 | 0.78 | 0.77 | 0.73 |
| R55 0.00 | ROOFING EQUIPMENT | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.78 | 0.74 | 0.72 | 0.70 | 0.69 | 0.68 |
| S10 0.00 | SCRAPERS, ELEVATING | | | | | | | | | | | | | | | | | | |
| S10 0.01 | 0 THRU 200 HP | 1.09 | 1.05 | 1.03 | 1.00 | 0.97 | 0.96 | 0.90 | 0.88 | 0.86 | 0.80 | 0.77 | 0.74 | 0.71 | 0.67 | 0.66 | 0.63 | 0.62 | 0.60 |
| S10 0.02 | OVER 200 HP | 1.09 | 1.05 | 1.03 | 1.00 | 0.97 | 0.96 | 0.90 | 0.88 | 0.86 | 0.80 | 0.77 | 0.74 | 0.71 | 0.67 | 0.65 | 0.62 | 0.62 | 0.60 |
| S15 0.00 | SCRAPERS, CONVENTIONAL | 1.09 | 1.05 | 1.03 | 1.00 | 0.97 | 0.96 | 0.91 | 0.89 | 0.86 | 0.81 | 0.78 | 0.75 | 0.73 | 0.69 | 0.67 | 0.64 | 0.63 | 0.62 |
| S20 0.00 | SCRAPERS, TANDEM POWERED | 1.09 | 1.05 | 1.03 | 1.00 | 0.97 | 0.96 | 0.91 | 0.89 | 0.86 | 0.81 | 0.78 | 0.75 | 0.73 | 0.69 | 0.67 | 0.64 | 0.63 | 0.62 |
| S25 0.00 | SCRAPERS, TRACTOR DRAWN | 1.09 | 1.05 | 1.03 | 1.00 | 0.97 | 0.96 | 0.90 | 0.88 | 0.86 | 0.80 | 0.77 | 0.74 | 0.71 | 0.67 | 0.66 | 0.63 | 0.62 | 0.60 |
| S30 0.00 | SCREENING & CRUSHING PLANTS | | | | | | | | | | | | | | | | | | |
| S30 0.10 | CONVEYORS | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | 0.70 |
| S30 0.20 | CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.91 | 0.89 | 0.86 | 0.84 | 0.80 | 0.77 | 0.75 | 0.73 | 0.72 | 0.71 |
| S30 0.21 | CRUSHERS - CONE | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.91 | 0.89 | 0.86 | 0.84 | 0.80 | 0.77 | 0.75 | 0.73 | 0.72 | 0.71 |
| S30 0.22 | CRUSHERS - JAW | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.91 | 0.89 | 0.86 | 0.84 | 0.80 | 0.77 | 0.75 | 0.73 | 0.72 | 0.71 |
| S30 0.30 | SCREENING PLANT | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | 0.70 |
| S35 0.00 | SNOW REMOVAL EQUIPMENT | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| S40 0.00 | SOIL & ROAD STABILIZERS | 1.10 | 1.06 | 1.04 | 1.00 | 0.97 | 0.96 | 0.90 | 0.88 | 0.85 | 0.79 | 0.76 | 0.73 | 0.70 | 0.65 | 0.63 | 0.60 | 0.60 | 0.58 |
| S45 0.00 | SPLITTERS, ROCK & CONCRETE | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.71 | 0.69 | 0.68 | 0.67 |
| T10 0.00 | TRACTOR BLADES & ATTACHMENTS | 1.08 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.86 | 0.81 | 0.78 | 0.76 | 0.73 | 0.68 | 0.64 | 0.61 | 0.61 | 0.61 |
| T15 0.00 | TRACTORS, CRAWLER (DOZER) (includes blade) | | | | | | | | | | | | | | | | | | |
| T15 0.01 | 0 THRU 225 HP | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.93 | 0.89 | 0.85 | 0.80 | 0.77 | 0.75 | 0.72 | 0.67 | 0.62 | 0.59 | 0.59 | 0.60 |
| T15 0.02 | 226 HP THRU 425 HP | 1.08 | 1.04 | 1.03 | 1.00 | 0.98 | 0.97 | 0.93 | 0.90 | 0.87 | 0.82 | 0.80 | 0.77 | 0.75 | 0.70 | 0.66 | 0.63 | 0.63 | 0.63 |
| T15 0.03 | OVER 425 HP | 1.08 | 1.04 | 1.03 | 1.00 | 0.98 | 0.97 | 0.94 | 0.91 | 0.87 | 0.83 | 0.80 | 0.78 | 0.75 | 0.71 | 0.67 | 0.64 | 0.64 | 0.65 |
| T20 0.00 | TRACTORS, WHEEL TYPE (DOZER) | 1.08 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.96 | 0.95 | 0.92 | 0.90 | 0.88 | 0.87 | 0.84 | 0.83 | 0.81 | 0.80 | 0.80 | 0.76 |
| T25 0.00 | TRACTORS, AGRICULTURAL | | | | | | | | | | | | | | | | | | |
| T25 0.10 | CRAWLER | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.96 | 0.95 | 0.92 | 0.90 | 0.88 | 0.87 | 0.84 | 0.82 | 0.81 | 0.80 | 0.80 | 0.76 |
| T25 0.20 | WHEEL | 1.09 | 1.05 | 1.03 | 1.00 | 0.98 | 0.96 | 0.96 | 0.95 | 0.92 | 0.90 | 0.88 | 0.86 | 0.84 | 0.82 | 0.80 | 0.79 | 0.79 | 0.75 |
| T30 0.00 | TRENCHERS, CHAIN TYPE CUTTER | 1.09 | 1.06 | 1.03 | 1.00 | 0.96 | 0.94 | 0.93 | 0.90 | 0.84 | 0.80 | 0.79 | 0.78 | 0.75 | 0.74 | 0.73 | 0.72 | 0.70 | 0.69 |
| T35 0.00 | TRENCHERS, WHEEL TYPE CUTTER | 1.09 | 1.06 | 1.03 | 1.00 | 0.96 | 0.94 | 0.93 | 0.90 | 0.84 | 0.80 | 0.79 | 0.78 | 0.75 | 0.74 | 0.73 | 0.72 | 0.70 | 0.69 |
| T40 0.00 | TRUCK OPTIONS | | | | | | | | | | | | | | | | | | |
| T40 0.10 | CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| T40 0.20 | DUMP BODY, REAR | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.79 | 0.75 | 0.73 | 0.72 | 0.71 | 0.70 |
| T40 0.30 | FLATBEDS, WITH SIDES | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| T40 0.41 | HOIST, ELECTRIC DRIVE | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| T40 0.50 | TRANSIT MIXERS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.79 | 0.75 | 0.72 | 0.71 | 0.70 | 0.68 |
| T40 0.60 | WATER TANKS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.70 | 0.68 | 0.67 | 0.66 |
| T40 0.70 | ALL OTHER OPTIONS | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.74 | 0.71 | 0.70 | 0.69 | 0.67 |
| T45 0.00 | TRUCK TRAILERS | | | | | | | | | | | | | | | | | | |
| T45 0.10 | BOTTOM DUMP | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | 0.70 |
| T45 0.20 | END DUMP | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | 0.70 |
| T45 0.30 | PUP TRAILER | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.79 | 0.75 | 0.73 | 0.72 | 0.71 | 0.70 |
| T45 0.41 | LOWBOY, RIGID NECK, DROP DECK | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | 0.70 |
| T45 0.50 | FLATBED TRAILER | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | 0.70 |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| T45 0.60 | MISCELLANEOUS / UTILITY | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | 0.70 |
| T45 0.70 | WATER TANKER TRAILER | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.78 | 0.73 | 0.71 | 0.69 | 0.68 | 0.67 |
| T45 0.80 | DECONTAMINATION FACILITY | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.70 | 0.68 | 0.67 | 0.66 |
| T45 0.90 | TANK TRAILERS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.78 | 0.73 | 0.71 | 0.69 | 0.68 | 0.67 |
| T50 0.00 | TRUCKS, HIGHWAY (add attachments as required) | | | | | | | | | | | | | | | | | | |
| T50 0.01 | 0 THRU 10,000 GVW | 1.04 | 1.00 | 1.02 | 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 | 0.71 | 0.69 |
| T50 0.02 | OVER 10,000 THRU 30,000 GVW(CHASSIS ONLY-ADD OPTIONS) | 1.03 | 1.00 | 1.02 | 1.00 | 1.01 | 1.03 | 1.02 | 0.99 | 0.95 | 0.90 | 0.85 | 0.82 | 0.81 | 0.77 | 0.76 | 0.75 | 0.71 | 0.69 |
| T50 0.03 | OVER 30,000 GVW (CHASSIS ONLY-ADD OPTIONS) | 1.03 | 1.00 | 1.02 | 1.00 | 1.01 | 1.03 | 1.02 | 0.99 | 0.95 | 0.90 | 0.86 | 0.82 | 0.81 | 0.78 | 0.76 | 0.76 | 0.72 | 0.70 |
| T55 0.00 | TRUCKS, OFF-HIGHWAY | | | | | | | | | | | | | | | | | | |
| T55 0.10 | RIGID FRAME | 1.06 | 1.03 | 1.01 | 1.00 | 0.99 | 0.96 | 0.93 | 0.88 | 0.86 | 0.85 | 0.84 | 0.82 | 0.78 | 0.72 | 0.69 | 0.68 | 0.68 | 0.67 |
| T55 0.20 | ARTICULATED FRAME | 1.07 | 1.03 | 1.01 | 1.00 | 0.99 | 0.96 | 0.93 | 0.87 | 0.84 | 0.84 | 0.82 | 0.80 | 0.76 | 0.70 | 0.66 | 0.65 | 0.65 | 0.64 |
| T56 0.00 | TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGONS | | | | | | | | | | | | | | | | | | |
| T56 0.10 | PRIME MOVER TRACTORS | 1.06 | 1.03 | 1.01 | 1.00 | 0.99 | 0.96 | 0.93 | 0.88 | 0.86 | 0.85 | 0.84 | 0.82 | 0.78 | 0.72 | 0.69 | 0.68 | 0.68 | 0.67 |
| T56 0.20 | WAGONS, BOTTOM DUMP | 1.07 | 1.03 | 1.01 | 1.00 | 0.99 | 0.96 | 0.93 | 0.87 | 0.84 | 0.84 | 0.83 | 0.80 | 0.76 | 0.70 | 0.67 | 0.65 | 0.65 | 0.64 |
| T56 0.30 | WAGONS, REAR DUMP | 1.07 | 1.03 | 1.01 | 1.00 | 0.99 | 0.96 | 0.92 | 0.87 | 0.84 | 0.83 | 0.82 | 0.80 | 0.76 | 0.70 | 0.66 | 0.65 | 0.64 | 0.64 |
| T57 0.00 | TRUCKS, VACUUM | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.78 | 0.74 | 0.72 | 0.70 | 0.69 | 0.68 |
| T60 0.00 | TRUCKS, WATER, OFF-HIGHWAY | 1.07 | 1.03 | 1.01 | 1.00 | 0.99 | 0.96 | 0.92 | 0.87 | 0.84 | 0.83 | 0.82 | 0.80 | 0.76 | 0.70 | 0.66 | 0.65 | 0.64 | 0.64 |
| T65 0.00 | TUNNEL/MINING EQUIPMENT | | | | | | | | | | | | | | | | | | |
| T65 0.10 | DRIFTING & TUNNELING DRILLS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.89 | 0.87 | 0.86 | 0.84 | 0.81 | 0.76 | 0.76 | 0.75 | 0.77 | 0.76 |
| T65 0.20 | TUNNEL BORING MACHINES | 1.06 | 1.02 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.91 | 0.88 | 0.86 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | 0.70 |
| T65 0.30 | PRODUCTION DRILLING RIGS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.97 | 0.93 | 0.91 | 0.89 | 0.87 | 0.86 | 0.83 | 0.80 | 0.76 | 0.75 | 0.75 | 0.76 | 0.76 |
| T65 0.40 | ROADHEADERS & CONTINUOUS MINERS | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.80 | 0.76 | 0.74 | 0.72 | 0.71 | 0.70 |
| T65 0.50 | ROCK BOLTING EQUIPMENT | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.78 | 0.74 | 0.72 | 0.70 | 0.69 | 0.68 |
| T65 0.61 | LOADING & HAULING EQUIPMENT, DIESEL OR GAS | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.79 | 0.75 | 0.73 | 0.72 | 0.71 | 0.69 |
| T65 0.62 | LOADING & HAULING EQUIPMENT, ELECTRIC | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.79 | 0.75 | 0.73 | 0.72 | 0.71 | 0.69 |
| T65 0.63 | LOADING & HAULING EQUIPMENT, AIR-POWERED | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.75 | 0.73 | 0.71 | 0.70 | 0.69 |
| T65 0.70 | LOCOMOTIVES | 1.06 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.94 | 0.91 | 0.90 | 0.87 | 0.85 | 0.82 | 0.79 | 0.75 | 0.72 | 0.71 | 0.70 | 0.69 |

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

| CATEGORY SUB | REGION 10 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 |
| | | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 |
| T65 0.90 | OTHER TUNNELING EQUIPMENT | 1.06 | 1.03 | 1.01 | 1.00 | 0.98 | 0.96 | 0.94 | 0.92 | 0.90 | 0.88 | 0.85 | 0.83 | 0.79 | 0.75 | 0.73 | 0.72 | 0.71 | 0.69 |
| W10 0.00 | WAGONS, BOTTOM DUMP | 1.07 | 1.03 | 1.01 | 1.00 | 0.99 | 0.96 | 0.93 | 0.87 | 0.84 | 0.84 | 0.83 | 0.80 | 0.76 | 0.70 | 0.67 | 0.65 | 0.65 | 0.64 |
| W15 0.00 | WAGONS, REAR DUMP | 1.07 | 1.03 | 1.01 | 1.00 | 0.99 | 0.96 | 0.93 | 0.87 | 0.84 | 0.84 | 0.83 | 0.80 | 0.76 | 0.70 | 0.67 | 0.65 | 0.65 | 0.64 |
| W25 0.00 | WATER & CO2 BLASTERS | | | | | | | | | | | | | | | | | | |
| W25 0.10 | LOW PRESSURE, (< 5,000 PSI) | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.89 | 0.86 | 0.83 | 0.80 | 0.77 | 0.72 | 0.70 | 0.68 | 0.67 | 0.66 |
| W25 0.20 | HIGH PRESSURE, (>= 5,000 PSI) | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.89 | 0.86 | 0.83 | 0.80 | 0.77 | 0.72 | 0.70 | 0.68 | 0.67 | 0.66 |
| W25 0.30 | STEAM CLEANERS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.90 | 0.89 | 0.86 | 0.83 | 0.80 | 0.77 | 0.72 | 0.70 | 0.68 | 0.67 | 0.66 |
| W25 0.40 | CO2 BLASTERS | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.71 | 0.69 | 0.68 | 0.67 |
| W30 0.00 | WATER TANKS | | | | | | | | | | | | | | | | | | |
| W30 0.10 | PORTABLE WITH WHEELS | 1.07 | 1.03 | 1.01 | 1.00 | 0.99 | 0.96 | 0.92 | 0.87 | 0.84 | 0.83 | 0.82 | 0.80 | 0.76 | 0.70 | 0.66 | 0.65 | 0.64 | 0.64 |
| W30 0.20 | SKID MOUNTED | 1.07 | 1.03 | 1.01 | 1.00 | 0.99 | 0.96 | 0.92 | 0.87 | 0.84 | 0.83 | 0.82 | 0.80 | 0.76 | 0.70 | 0.66 | 0.65 | 0.64 | 0.64 |
| W35 0.00 | WELDERS | | | | | | | | | | | | | | | | | | |
| W35 0.10 | ENGINE DRIVEN | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.70 | 0.68 | 0.67 | 0.66 |
| W35 0.20 | ELECTRIC DRIVEN | 1.07 | 1.03 | 1.02 | 1.00 | 0.98 | 0.96 | 0.93 | 0.91 | 0.89 | 0.87 | 0.84 | 0.81 | 0.77 | 0.73 | 0.71 | 0.69 | 0.68 | 0.67 |

**STANDBY HOURLY RATE CALCULATION FOR OVERAGE EQUIPMENT**

**EXAMPLE**

Assume the following information for the rate calculation example:

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

B. The equipment is contractor-owned.

C. Data for the unit in question:

1. Clark front-end wheel loader
2. Model 125C, 4WD, 4 CY capacity
3. Serial number indicates year of manufacture = 1986
4. Actual purchase price in 1986 = $168,280
5. Horsepower is 203 hp (fuel is Diesel off-road)
6. Drive tire (DT) size = 23.50 x 25, 16 Ply, L-3
   DT cost (1999) = 4 tires x $1,734 = $6,936

D. Use the actual cost data as follows:

1. Purchase price (TEV) = $168,280
2. Year of manufacture = 1986

E. 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: **N/A**

a. Equipment Specification Data:

| | | | |
|---|---|---|---|
| (1) | Equipment Description: | Clark Front-End Wheel Loader | |
| (2) | Model and Series: | Model 125 C, 4WD, 4 CY capacity | |
| (3) | Present Year or Year of Use: | | 2001 |
| (4) | Year Manufactured: | | 1986 |
| (5) | Horsepower - Equipment: | | 203 |
| (6) | Horsepower - Carrier: | | N/A |
| (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 | N/A |
| (8) | Shipping Weight (cwt): | | |

(9) Tire size and number of tires: (Cost of tires based on present year - see 1.a.(3) and Appendix F)

| | | Size/Ply | No. | Unit Price | Cost |
|---|---|---|---|---|---|
| (a) | Front (FT): | N/A | ---- | $ ------ | $ ------ |
| (b) | Drive (DT): | 23.5X25/16 ply | 4 | $ 1,734 | $ 6,936 |
| (c) | Trailing (TT): | N/A | ---- | $ ------ | $ ------ |
| (d) | Total Tire Cost: | | | | $ 6,936 |

**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): Average or Severe | AVERAGE |
| (3) | Discount Code (DC): B = 7.5% (0.075) - or - S = 15.0% (0.15) | 0.075 |
| (4) | Life in Hours (LIFE): | 10,000 |
| (5) | Salvage Value Percentage (SLV): | 0.25 |
| (6) | Fuel Factor - Equipment [Electric (E) Gas (G) Diesel (D)]: D | 0.033 |
| (7) | Fuel Factor - Carrier (E G D): | N/A |
| (8) | Filter, Oil, and Grease (FOG) Factor (E G D): | 0.445 |
| (9) | Tire Wear Factor: | |
| | (a) Front (FT): | N/A |
| | (b) Drive (DT): | 0.42 |
| | (c) Trailing (TT): | N/A |
| (10) | Repair Cost Factor (RCF): | 0.70 |



**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment.**

**2. EQUIPMENT VALUE**

a. List Price + Accessories: *[at Year (yr) 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) [2.a.(2)] x (Tax Rate) [Appendix B]

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

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

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

( ------ cwt) x ($ ------ /cwt) =+$ ------

**c. TOTAL EQUIPMENT VALUE (TEV):** **TOTAL [2.]: =$** 168,280
[(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]

( 10,000 hr) / ( 1,480 hr/yr) = 6.76 yr(N)

**4. OWNERSHIP COST**

a. Depreciation

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

( 2340 ) / ( 2449 ) = 0.955 (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 ) x [1.0 – ( 0.25 )] - [( 0.955 ) x ($ 6,936 )]] / ( 10,000 hr)

=$ 11.96 /hr



**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment.**

**4. OWNERSHIP COST (Continued)**

b. Facilities Capital Cost of Money (FCCM):

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

[[( 6.76 yr) - 1.0] x [1.0 + ( 0.25 )] + 2.0] / [2.0 x ( 6.76 yr)] = 0.680 (AVF)

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

($ 168,280 ) x ( 0.680 ) x ( 0.0510 ) / ( 1,480 hr/yr)

=$ 3.94 /hr

c. **TOTAL HOURLY OWNERSHIP COST:** **TOTAL [4.]:** =$ 15.90 /hr
[4.a.(2)] + [4.b.(2)]

**5. OPERATING COST**

a. Fuel Costs:

(1) Equipment:

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

( ------ ) x ( ----- hp) x ($ ----- /gal) =$ ----- /hr

(2) Carrier:

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

( ----- ) x ( ----- hp) x ($ ----- /gal) =$ ----- /hr

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

b. FOG Cost:

(1) Equipment:

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

( ----- ) x ($ ----- /hr) x ( ----- ) =$ ----- /hr



**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment.**

**5. OPERATING COST (Continued)**

(2) Carrier:

| (FOG Factor) [1.c.(8)] | x | (Carrier Fuel Cost) [5.a.(2)] | x | (LAF) [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 1a.(3)) [Appendix E] | / | (Economic Index for Year 1a.(4)) [Appendix E] | | |
|---|---|---|---|---|
| ( ----- ) | / | ( ----- ) | = ----- | (EAF) |

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

(2) Repair Factor (RF):

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

(3) Repair Cost

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

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

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**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment.**

**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 F ]

[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 F]

[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 F]

[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.]

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**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment.**

**6. HOURLY RATES**

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

(Ownership Cost) [4.c.] + (Operating Cost) [5.g.]

($ ----- /hr) + ($ ----- /hr) =$ **N/A** /hr

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

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

[($ ----- /hr) + [($ ----- /hr) x (40 hr/wk) / ( ----- hr/wk)] + ($ ----- /hr)]

=$ **N/A** /hr

c. Standby Hourly Rate:

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

[($ 11.96 /hr) x 0.50] + ($ 3.94 /hr) =$ 9.92 /hr

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

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**Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment.**

# 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 non-dredging equipment. However, the cost data (Acquisition Cost, Horsepower, and Fuel Type) may be used for calculation of dredging plant rate, 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, then 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 (hr) 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 non-effective working time. “Effective working time" is defined as time during the dredging operation when actual production is taking place. "Non-effective 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:

a. Available Hours per yr = Months Available/yr x Effective Hours/Month

Where:

(1) Months Available/yr is found in Figure 4-1.
(2) Effective Hours/Month is the effective working time.

## SECTION IV. SALVAGE VALUE

4-6. Salvage Value.

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:

$$\text{Monthly Ownership Cost} = \frac{\text{Plant Value x (Yearly DEPR Percent + Yearly CMR Percent)}}{\text{Available Use Months}}$$

Where:

(1) Plant Value = Acquisition price plus initial capital improvements.
(2) Yearly DEPR Percent = Ownership percent per year for depreciation.
(3) Yearly CMR Percent = Ownership percent per year for cost of money rate.
(4) 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:

a. Yearly DEPR Percent = (1-SLV) / N

Where:

(1) N = Useful Life from Table 4-1.
(2) 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 cost-of-money rate (CMR) used in the calculation is the rate in effect at the time the work was performed. This formula is expressed as follows:

a. $$\text{Yearly CMR Percent} = \frac{[(N-1)(1+SLV)+2](\text{discounted CMR})}{2N}$$

Where:
(1) N = Useful Life from Table 4-1.
(2) SLV = Salvage Value from Table 4-1.

(3) 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 below, are not intended to replace historical data but shall be used when historical data is limited or non-existent.

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:

a. Hourly Fuel Cost = Horsepower x Fuel Cost/Gallon x Engine Fuel Factor

Where:

(1) Horsepower is the engines rated horsepower.
(2) Fuel Cost/Gallon is based on values shown in Appendix B. See chapter 3 for fuel cost adjustments.
(3) 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 filter, 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:

a. Water, Lube, and Supply Cost = WLS factor x Hourly Fuel Cost

Where:

(1) WLS Factor is obtained from Table 4-1.
(2) 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:

a. Repair Cost = $\frac{\text{(Total Plant Value x RPR x EAF x LAF)}}{\text{Life in hr}}$

Where:

(1) Total Plant Value = Acquisition price plus Initial capital improvements.
(2) RPR = Repair Factor from Table 4-1.
(3) EAF = Economic Index (present year)/ Economic Index (acquisition year).
(4) LAF = Labor Adjustment Factor from Appendix B.
(5) Life in Hr = Physical Life from Table 4-1.

b. It should be noted that the repair allowance does not include the following estimated additive items:

(1) 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.

(2) 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 Federal Acquisition Regulation (FAR) 31.205-24, *Maintenance and Repair Costs*].

(3) 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 follow: 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 non-effective 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 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
WLS = Water, Lube and Supplies
HPF = Horsepower Factor
RPR = Repairs
G = Gas
D = Diesel

## 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
WLS = Water, Lube and Supplies
HPF = Horsepower Factor
RPR = Repairs
G = Gas
D = Diesel

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 | | |
| | (2) Capital Improvements..... | > | $0 | | |
| | Total Plant Value | | $3,700,000 | | |
| f. | Acquisition Year..... | > | 1987 | | |
| g. | Present Year..... | > | 2001 | | |
| h. | CMR (Undiscounted). | > | 5.00 | % | |
| i. | Use Discounted CMR (5.000% / 1.25) = | | 4.00% | | |
| j. | Hours Worked / Month (Effective Working Time) | > | 500 | hr/mo | |
| k. | Additive Item(s) (example) | | | | |
| | (1) Excessive Dredge Wear (Gravel) | > | $8,000 | | /month |
| | (2) _____ | > | _____ | | /month |
| | (3) _____ | > | _____ | | /month |
| | (4) _____ | > | _____ | | /month |
| | (5) _____ | > | _____ | | /month |

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.

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Figure 4-2 - Dredging Plant Ownership and Operating Rate Worksheet.

2. APPENDIX B DATA:

a. LAF ..... > 1.230

b. Fuel Type..... > Diesel (Off-Road)

(1) Fuel Cost per Gallon (gal)..... > $1.44 /Gallon

3. APPENDIX E DATA: (EK 105)

a. Economic Index for Acquisition Year.... > 3,886 <for 1987>

b. Economic Index for Present Year..... > 5,826 <for 2001>

4. TIME AVAILABLE TO DREDGE: (Refer to paragraph 4-3)

a. Months Available per year..... > 9 months/year

*(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 Years

a. Physical Life (hr) for Repairs.... > 130,000 Hours

b. SLV..... > 0.10

c. Prime Engine Fuel Factor..... > 0.045

d. Secondary Engine Fuel Factor..... > 0.039

e. WLS... > 22 % = 0.22

f. 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 4.00% / (2 x 25.00) = 2.27%

2 of 5

Figure 4-2 - Dredging Plant Ownership and Operating Rate Worksheet.

6. YEARLY OWNERSHIP PERCENT (Continued):

c. Total Yearly Ownership Percent (3.60% + 2.27%) = 5.87%

7. OWNERSHIP RATES:

a. Yearly Ownership Cost: = (Total Plant Value x Total Yearly Ownership Percent)

($3,700,000 x 5.87%) = $217,190 /year

b. Monthly Ownership Cost: = (Yearly Ownership Cost/Months Available per Year)

($217,190 /yr / 9 mos/yr) = $24,132 /month

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 $1.44 /gal) = $241.70 /hour

(2) Secondary Engine Fuel:

(0.039 x 2,475 hp x $1.44 /gal) = $139.00 /hour

b. Hourly Water, Lube, and Supply Cost = (WLS factor x Hourly Fuel Cost)

(1) Prime Engine WLS:

(0.22 x $241.70) = $53.17 /hour

(2) Secondary Engine WLS:

(0.22 x $139.00) = $30.58 /hour

c. Hourly Repair Cost:

(1) EAF:

= (Economic Index for Present Year / Economic Index for Acquisition Year)

(5826 <for 2001> / 3886 <for 1987>) = 1.499

(2) Hourly Repair Cost:

= (Total Plant Value x RPR x EAF x LAF) / Physical Life in hr

($3,700,000 x 1.30 x 1.499 x 1.230) / 130,000 hr = $68.22 /hour

3 of 5

Figure 4-2 - Dredging Plant Ownership and Operating Rate Worksheet.

8. OPERATING RATES (Continued):

d. Total Hourly Operating Cost: = (Fuel + WLS + Repairs)

($241.70 + $139.00 + $53.17 + $30.58 + $68.22) = $532.67 /hour

e. Monthly Operating Cost: = (Total Hourly Operating Cost x Hours Worked per/Month)

($532.67 /hour x 500 hours/month) = $266,335 /month

9. SUBTOTAL MONTHLY COST = (OWNERSHIP + OPERATING):

($24,132 /month + $266,335 /month) = $290,467 /month

10. ESTIMATED ADDITIVE ITEMS (Sheet 1, Item k.):

| | | | |
|---|---|---|---|
| a. (1) | Excessive Dredge Wear (Gravel) | $8,000 | /month |
| (2) | | | /month |
| (3) | | | /month |
| (4) | | | /month |
| (5) | | | /month |
| b. | Subtotal - Estimated Additive Items | $8,000 | /month |

11. TOTAL MONTHLY COST (Items 9 + 10b): $298,467 /month

12. STANDBY ALLOWANCE:

a. Yearly Standby Cost:

= Yearly Ownership Cost from 7. a.

$217,190 /year

b. Monthly Standby Cost:

=Monthly Ownership Cost from 7. b.

$24,132 /month

c. Standard Hourly Standby Cost:

= (Monthly Standby Cost / 730 hr/mo)

($24,132 /month / 730 hours/month) = $33.06 /hour

4 of 5

Figure 4-2 - Dredging Plant Ownership and Operating Rate Worksheet.

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

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 $139.00) = $11.23 /hour

~~~~~~~~~~~

e. Total Hourly Standby Allowance:

= (Standard Hourly Standby Cost + Generator Fuel Allowance)

($33.06 + $11.23) = $44.29 /hour

5 of 5

Figure 4-2 - Dredging Plant Ownership and Operating Rate Worksheet.
~~~~~~~~~~~

# APPENDIX A

# REFERENCES

# APPENDIX A

# REFERENCES

## SECTION I: REQUIRED PUBLICATIONS

FAR 15.400 *Contract Pricing,* Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 30.101 *Cost Accounting Standards*, Part 30, Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 31.105 *Construction and Architect Engineer Contracts*, Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 31.205-10 *Cost of Money*, Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 31.205-24 *Maintenance and Repair Costs*, Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 31.205-36 *Rental Costs,* Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 49.000 *Termination of Contracts,* Federal Acquisition Regulation, Government Printing Office, Washington, DC, 2001.

FAR 52.230-2 *Cost Accounting Standards*, Federal Acquisition Regulation, Government Printing Office, Washington, DC, 1998.

EFARS 31.105 *Construction and Architect-Engineer Contracts*, Engineer Federal Acquisition Regulation Supplement, Government Printing Office, Washington, DC, 2001.

EFARS 31.105-100 *Contract Statement*, Engineer Federal Acquisition Regulation Supplement, Government Printing Office, Washington, DC, 2001.

*Producer Prices and Price Indexes*, U.S. Department of Labor, Bureau of Labor Statistics, Government Printing Office, Washington, DC.

Public Law 92-41 *The Renegotiation Act of 1971* [Pub. L. 92-41 (85 Stat. 97)].

ER 1110-2-1302 *Engineering and Design - Civil Works Cost Engineering*, U.S. Army Corps of Engineers, 31 March 1994.

## SECTION II: RELATED PUBLICATIONS

*Application Manual for Hydraulic Excavators and Shovels*, 1st ed, Koehring Company, Milwaukee, Wisconsin, 1981.

*Bulletin B300*, Goodyear Tire and Rubber Company, Akron, Ohio, January 2000.

*Caterpillar Performance Handbook*, 29th ed, Caterpillar Inc, Peoria, Illinois, 1999.

*Caterpillar Performance Handbook*, 30th ed, Caterpillar Inc, Peoria, Illinois, 1999.

*Caterpillar Performance Handbook*, 31st ed, Caterpillar Inc, Peoria, Illinois, 2000.

*Earthmoving Principles*, International Harvester, Pay Line Division, Schaumburg, Illinois, 1975.

*Euclid Hauler Handbook*, 14th ed, Euclid, Inc, Cleveland, Ohio, 1981.

*Fundamentals of Earthmoving*, Caterpillar Tractor Company, Peoria, Illinois, 1975.

*Green Guide for Off-Highway Trucks and Trailers*, Primedia, Inc., San Jose, California, 2001.

*Green Guide Volume I*, Primedia, Inc, San Jose, California, 2001.

*Green Guide Volume II*, Primedia, Inc, San Jose, California, 2001.

*Electric Power Monthly*, Energy Information Administration, Washington, DC.

*Means 2001 Labor Rates for the Construction Industry*, 27th ed., R S Means Company, Inc, Kingston, Massachusetts.

*Moving the Earth*, Nichols, H L Jr, 4th ed, North Castle Books, Greenwich, Connecticut, 1999.

*Petroleum Marketing Monthly*, Energy Information Administration, Washington, DC.

**SECTION II: RELATED PUBLICATIONS** (Continued)

*Owning and Operating Costs*, Fiat-Allis Construction Machinery, Inc, Springfield, Illinois, 1983.

*Production and Cost Estimating of Material Movement* with Earthmoving Equipment, Terex Corporation, Hudson, Ohio, 1981.

## 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 X. Working

**SECTION III: EFAR REFERENCE** (Continued)

conditions shall be considered to 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:

Government Printing Office
P.O. Box 371954
Pittsburgh, PA 15250-7954

Orders may be placed by telephone or fax (Visa/Mastercard is accepted).
Telephone: 202-512-1803 -or- Fax: 202-512-2250.

Orders may also be placed electronically at Internet address http:/www.access.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 |

### REGIONAL BOOKSTORES

WASHINGTON: 710 North Capitol St. NW, Washington, DC 20401
202-512-0132

WASHINGTON (BRANCH): 1510 H Street, Northwest, Washington, DC 20005
202-653-5075

WAREHOUSE SALES OUTLET: 8660 Cherry Lane, Laurel, MD 20707
301-953-7974

ATLANTA: 999 Peachtree Street Northeast, Suite 120,
P.O. Box 56445, Atlanta, GA 30309
404-347-1900

**SECTION IV. GOVERNMENT BOOKSTORES** (Continued)

| | |
|---|---|
| BIRMINGHAM: | 2021 3rd Avenue North, Birmingham, AL 35203<br>205-731-1056 |
| BOSTON: | Thomas P. O'Neill Federal Building, Room 169,<br>10 Causeway Street, Boston, MA 02222<br>617-720-4180 |
| CHICAGO: | 401 South State Street, Suite 124, Chicago, IL 60605<br>312-353-5133 |
| CLEVELAND: | Room 1653, Federal Building,<br>1240 East 9th Street, Cleveland, OH 44199<br>216-522-4922 |
| COLUMBUS: | Room 207, Federal Building,<br>200 North High Street, Columbus, OH 43215<br>614-469-6956 |
| DALLAS: | Room IC50, Federal Building,<br>1100 Commerce Street, Dallas, TX 75242<br>214-767-0076 |
| DENVER: | 1660 Wynkoop Street, Suite 130, Denver, CO 80202<br>303-844-3964 |
| DETROIT: | Suite 160, Federal Building,<br>477 Michigan Avenue, Detroit, MI 48226<br>313-226-7816 |
| HOUSTON: | Wells Fargo Center,<br>801 Travis Street, Suite 120, Houston, TX 77002<br>713-228-1187 |
| JACKSONVILLE: | 100 West Bay Street, Suite 100,<br>Jacksonville, FL 32202<br>904-353-0569 |
| KANSAS CITY: | 120 Bannister Mall, 5600 East Bannister Road,<br>Kansas City, MO 64137<br>816-765-2256 |
| LOS ANGELES: | ARCO Plaza, Level C, 505 South Flower Street,<br>Los Angeles, CA 90071<br>213-239-9844 |

**SECTION IV. GOVERNMENT BOOKSTORES** (Continued)

| | |
|---|---|
| MILWAUKEE: | Reuss Federal Plaza, Suite 150W,<br>310 West Wisconsin Avenue,<br>Milwaukee, Wl 53203<br>414-297-1304 |
| NEW YORK: | Room 2-120, Federal Building,<br>26 Federal Plaza, New York, NY 10278<br>212-264-3825 |
| PHILADELPHIA: | Robert Morris Building,<br>100 North 17th Street, Philadelphia, PA 19103<br>215-636-1900 |
| PITTSBURGH: | Room 118, Federal Building,<br>1000 Liberty Avenue, Pittsburgh, PA 15222<br>412-395-5021 |
| PORTLAND: | 1305 Southwest First Avenue, Portland, OR 97201<br>503-221-6217 |
| PUEBLO: | Norwest Banks Building,<br>201 West 8th Street, Pueblo, CO 81003<br>719-544-3142 |
| SAN FRANCISCO: | Marathon Plaza, Room 141-S,<br>303 2nd Street, San Francisco, CA 94107<br>415-512-2770 |
| SEATTLE: | Room 194, Federal Building,<br>915 Second Avenue, 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) Present Year or 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 present year - see 1.a.(3) and Appendix F)
(a) Front (FT): No.: ____ Size/Ply: _____ Cost: $ _____
(b) Drive (DT): No.: ____ Size/Ply: _____ Cost: $ _____
(c) Trailing (TT): No.: ____ Size/Ply: _____ Cost: $ _____

(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
(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) Filter, 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): _____



Equipment Rate Computation Worksheet (copy as needed).

**2. EQUIPMENT VALUE**

a. List Price + Accessories: *[at Year (yr) 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) [2.a.(2)] x (Tax Rate) [Appendix B]

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

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

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

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

**c. TOTAL EQUIPMENT 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) = _____ yr(N)

**4. OWNERSHIP COST**

a. Depreciation

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

( _____ ) / ( _____ ) = _____ (TCI)

(2) [( TEV [2.c.] ) x [1.0 - (SLV)] - [( TCI [4.a. (1)] ) x ( Tire Cost [1.a.(9)(d)] )]] / ( LIFE [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 [3.a.] ) - 1.0] x [1.0 + (SLV) [1.c.5.]] + 2.0] / [2.0 x ( N [3.a.] )] = Avg Value Factor (AVF)

[[( _____ yr) - 1.0] x [1.0 + ( _____ )] + 2.0] / [2.0 x ( _____ yr)] = _____ (AVF)

(2) ( TEV [2.c] ) x ( AVF [4.b.(1)] ) x (Adjusted Cost-of-Money [Appendix B]) / ( WHPY [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 [ 1.c.(6) ]) x (Horsepower (hp) [ 1.a.(5) ]) x (Fuel Cost Per Gallon (gal) [ Appendix B ])

( _____ ) x ( _____ hp) x ($ _____ /gal) =$ _____ /hr

(2) Carrier:

(Fuel Factor [ 1.c.(7) ]) x (Horsepower [ 1.a.(6) ]) x (Fuel Cost Per Gallon [ 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 [1.c.(8)]) x (Equipment Fuel Cost [5.a.(1)]) x (Labor Adjustment Factor (LAF) [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) [1.c.(8)] x (Carrier Fuel Cost) [5.a.(2)] x (LAF) [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 1a.(3)) [Appendix E] / (Economic Index for Year 1a.(4)) [Appendix E]

( _____ ) / ( _____ ) = _____ (EAF)

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

(2) Repair Factor (RF):

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

( _____ ) x ( _____ ) x ( _____ ) = _____ (RF)

(3) Repair Cost

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

[($ _____ ) - [( _____ ) x ($_____ )]] x ( _____ ) / ( _____ )

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

Page 4 of 6

Equipment Rate Computation Worksheet (copy as needed).

**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 ($ _____ )] / [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.]



Equipment Rate Computation Worksheet (copy as needed).

**6. HOURLY RATES**

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

(Ownership Cost) [4.c.] + (Operating Cost) [5.g.]

($ _____ /hr) + ($ _____ /hr) =$ _____ /hr

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

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

[($_____ /hr) + [($____/hr) x (40 hr/wk) / ( ____hr/wk)] + ($ _____/hr)]

=$ _____ /hr

c. Standby Hourly Rate:

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

*HAWAII*

**Region:** 10

| | | |
|---|---|---|
| Total State Sales or Import Tax Rate: | 6.00% | |
| Working Hours Per Year (WHPY): | 1,480 | hrs/yr |
| Labor Adjustment Factor (LAF): | 1.23 | |
| Electricity Cost Per Kilowatt-Hour: | $0.140 | /kW-Hr |
| Gasoline Cost Per Gallon: | $1.90 | /gal |
| Diesel Cost Per Gallon (Off-Road Use): | $1.44 | /gal |
| Diesel Cost Per Gallon (On-Road Use): | $2.00 | /gal |
| Cost-of-Money Rate (Full Rate): | 6.375% | |
| Cost-of-Money Rate (Adjusted): | 5.100% | |

### Freight Rates

| | | | | | |
|---|---|---|---|---|---|
| over | 0 | cwt | thru | 240 | $21.11 |
| over | 240 | cwt | thru | 300 | $19.66 |
| over | 300 | cwt | thru | 400 | $18.24 |
| over | 400 | cwt | thru | 500 | $17.02 |
| over | 500 | cwt | thru | 700 | $15.82 |
| over | 700 | cwt | thru | 800 | $14.64 |
| over | 800 | cwt | thru | 99,999 | $11.53 |

# 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 | 2001 | 5.50% | 1360 | 1.15 | $0.097 | $1.56 | $1.45 | $1.69 | 240 | $6.92 | 300 | $6.25 | 400 | $5.58 | 500 | $5.04 | 700 | $4.50 | 800 | $4.73 | 99,999 | $5.68 |
| 2 | MIDEAST | 2001 | 5.40% | 1450 | 1.04 | $0.063 | $1.51 | $1.34 | $1.59 | 240 | $5.24 | 300 | $4.73 | 400 | $4.23 | 500 | $3.82 | 700 | $3.41 | 800 | $3.58 | 99,999 | $4.33 |
| 3 | SOUTHEAST | 2001 | 7.60% | 1530 | 0.83 | $0.063 | $1.42 | $1.29 | $1.53 | 240 | $4.23 | 300 | $3.82 | 400 | $3.41 | 500 | $3.08 | 700 | $2.75 | 800 | $2.65 | 99,999 | $2.35 |
| 4 | NORTHCENTRAL | 2001 | 5.40% | 1260 | 1.04 | $0.060 | $1.62 | $1.40 | $1.64 | 240 | $5.71 | 300 | $5.16 | 400 | $4.61 | 500 | $4.16 | 700 | $3.71 | 800 | $3.63 | 99,999 | $3.32 |
| 5 | MIDWEST | 2001 | 7.10% | 1400 | 0.98 | $0.064 | $1.48 | $1.37 | $1.61 | 240 | $4.59 | 300 | $4.14 | 400 | $3.70 | 500 | $3.34 | 700 | $2.98 | 800 | $2.74 | 99,999 | $2.43 |
| 6 | SOUTHWEST | 2001 | 8.70% | 1590 | 0.88 | $0.070 | $1.47 | $1.29 | $1.53 | 240 | $5.29 | 300 | $4.78 | 400 | $4.27 | 500 | $3.86 | 700 | $3.44 | 800 | $3.28 | 99,999 | $3.01 |
| 7 | WEST | 2001 | 7.60% | 1630 | 1.17 | $0.064 | $1.69 | $1.58 | $1.82 | 240 | $7.17 | 300 | $6.47 | 400 | $5.78 | 500 | $5.22 | 700 | $4.66 | 800 | $4.47 | 99,999 | $4.01 |
| 8 | NORTHWEST | 2001 | 5.20% | 1540 | 1.09 | $0.047 | $1.69 | $1.60 | $1.85 | 240 | $8.65 | 300 | $7.81 | 400 | $6.97 | 500 | $6.30 | 700 | $5.62 | 800 | $5.48 | 99,999 | $4.98 |
| 9 | ALASKA | 2001 | 0.00% | 1040 | 1.22 | $0.093 | $1.73 | $1.16 | $1.40 | 240 | $20.91 | 300 | $18.89 | 400 | $16.86 | 500 | $15.23 | 700 | $13.60 | 800 | $13.83 | 99,999 | $11.50 |
| 10 | HAWAII | 2001 | 6.00% | 1480 | 1.23 | $0.140 | $1.90 | $1.44 | $2.00 | 240 | $21.11 | 300 | $19.66 | 400 | $18.24 | 500 | $17.02 | 700 | $15.82 | 800 | $14.64 | 99,999 | $11.53 |
| 11 | PUERTO RICO | 2001 | 6.60% | 1560 | 0.74 | $0.130 | $1.46 | $1.28 | $1.52 | 240 | $17.33 | 300 | $16.25 | 400 | $15.19 | 500 | $14.26 | 700 | $13.35 | 800 | $12.31 | 99,999 | $9.79 |
| 12 | KWAJALEIN | 2001 | 4.70% | 1390 | 1.18 | $0.124 | $1.01 | $0.98 | $0.98 | 240 | $21.11 | 300 | $19.66 | 400 | $18.24 | 500 | $17.02 | 700 | $15.82 | 800 | $14.64 | 99,999 | $11.53 |

**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<br>Dragline | Working in gravels, silts, and sands at low impact fresh water environment. | Working in rock, hard digging, high impact, or salt water environment. |
| Depreciation Period: | 8,000 - 10,000 hours | 6,500 - 8,000 hours |
| **C80, C90**:<br>Cranes<br>Hydraulic, Truck Mounted<br>Mechanical, Truck Mounted | Lift less than rated capacity, intermittent duty. | Continuous lift near rated capacity, excessive swing, abrasive materials, sloped surfaces, salt water environment. |
| Depreciation Period: | 16,000 - 22,000 hours | 13,000 - 18,000 hours |
| **C85**:<br>Cranes, Mechanical<br>Dragline, Lifting, or Clamshell<br>Crawler Mounted | Gravels, silts, pull, and lift less than rated capacity. | Highly abrasive materials, impact breakout, continuous load near rated capacity. Salt water environment. |
| Depreciation Period: | 14,000 - 20,000 hours | 12,000 - 18,000 hours |
| **G10**:<br>Generators | Working below rated capacity, good field conditions. | Working at or above rated capacity, poor field conditions, such as salt water. |
| Depreciation Period: | 8,000 - 10,000 hours | 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. Elevating grader use. | Maintenance of hard packed roads with embedded rock. Heavy fill spreading. Ripping-scarifying of asphalt or concrete. Continuous high load factor. High impact. |
| Depreciation Period: | 14,000 hours | 12,000 hours |
| **H25**:<br>Hydraulic Excavators<br>Crawler Mounted | Clay, earth digging, no breakout impact, easy continuous or intermittent duty. Mass excavation or trenching where machine digs all the time in natural bed clay soils. Some traveling and steady, full throttle operation. Most log loading applications. | Rock work, pull near rated capacity, uneven surface, impact breakout, abrasive materials. 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. Salt water environment. |
| Depreciation Period: | 10,000 - 24,000 hours | 8,000 - 20,000 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, 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) | Gravels, silts, well-broken rock, lift less than rated capacity. Continuous loading in well-shot rock or fairly tight bank. Good underfoot conditions; dry floor, little impact or sliding on undercarriage. | Extremely abrasive tough materials, lifting near rated capacity, impact breakout. Continuous loading in poorly-shot rock, lightly blasted tight banks, *e.g*. shales, caliches, cemented gravels, *etc*. Adverse underfoot conditions: rough floors, high impact sliding on undercarriage. Salt water environment. |
| Depreciation Period: | 18,000 - 36,000 hours | 15,000 - 30,000 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 | 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 | Bank excavation, intermittent ripping, basement digging of natural bed clays, sands, silts, and gravels. Some traveling. Steady full throttle operations. | Loading shot rock, cobbles. High density materials in standard bucket. Continuous work on rock surfaces. Large amount of ripping of tight rock materials. High impact conditions. Salt water environment. |
| Depreciation Period: | 10,000 hours | 8,000 hours |
| **L40**:<br>Loaders, Front End<br>Wheel Type<br>(does not include skid steer and tool carriers) | 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. Load and carry on poor surfaces and slight adverse grades. | 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. Salt water environment. |
| Depreciation Period: | 12,000 - 14,000 hours | 10,000 - 12,000 hours |
| **L45 and L50**:<br>Loaders with Backhoe<br>Crawler Type and<br>Wheel Type | Utility applications in medium to heavy soil. Occasional use of constant flow implements. Dig depths to 3.05 meters (10 feet). | Production applications or digging in rock. Regular use of constant flow implements. Dig depths over 3.05 meters (10 feet). |
| Depreciation Period: | 10,000 hours | 6,000 - 8,000 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. Salt water environment. |
| Depreciation Period: | 8,000 hours | 7,000 hours |
| **M10 - .31 and .32**:<br>Clamshell dredges<br>< 5 cy<br>Amphibious Excavator | Gravel, silts, breakout force at less than capacity, fresh water conditions. | Rock, abrasive materials, load at rated capacity, salt water conditions. |
| Depreciation Period: | 12,000 - 20,000 hours | 9,000 - 18,000 hours |
| **M10 - .51 and .53**:<br>Boats, Skiffs, Crew Boats, Work Boats, Survey Boats and Launches | Fresh water applications, light waves, steady to light use. | Salt water 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: | 17,000 hours | 13,000 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. Typical road-building use on a variety of jobs. | High impact conditions, such as loading ripped rock. Continuous high total resistance conditions. Rough haul roads. Overloading. |
| Depreciation Period: | 12,000 - 17,000 hours | 10,000 - 12,000 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. Salt water environment. |
| Depreciation Period: | 10,000 - 24,000 hours | 8,000 - 19,000 hours |

| APPENDIX C<br>GUIDE FOR SELECTING OPERATING CONDITIONS (Continued) | | |
|---|---|---|
| **EQUIPMENT TYPE** | **AVERAGE** | **SEVERE** |
| **T20**:<br>Tractors<br>Wheel Type (Dozer) | Production dozing, push loading in clays, sands, silts, loose gravels. Shovel Cleanup. | Production dozing in rock. Push loading in rocky, boulder-strewn borrow pits. High impact conditions. Landfill compactor work. |
| Depreciation Period: | 12,000 hours | 8,000 hours |
| **T30**:<br>Trenchers<br>Chain and Wheel Type | Working in sands and silts below rated capacity of the machine. | Working in gravels and abrasive materials at or above the rated capacity of the machine. |
| Depreciation Period: | 10,000 hours | 8,000 hours |
| **T45 and T50**:<br>Truck Trailers<br>Trucks, Highway | Varying loading and road conditions. Typical construction use on a variety of jobs. | Consistently poor road conditions. Oversized loading equipment. |
| Depreciation Period: | 8,000 - 12,000 hours | 6,500 - 8,000 hours |

| APPENDIX C<br>GUIDE FOR SELECTING OPERATING CONDITIONS (Continued) | | |
|---|---|---|
| **EQUIPMENT TYPE** | **AVERAGE** | **SEVERE** |
| **T55 and T60**:<br>Truck, Off-Highway<br>Trucks, Water,<br>Off-Highway<br>(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. 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. Poorly attached loading equipment with continuous overloading. |
| Depreciation Period: | 10,000 - 30,000 hours | 8,000 - 24,000 hours |
| **T65 - .20 and .40**:<br>Tunnel/Mining Equipment<br>Tunnel Boring<br>Machines<br>Roadheaders<br>Continuous Miners | Mining rock in average conditions, machine working below rated capacity. | Mining hard rock in severe working conditions, machine working at rated capacity. |
| Depreciation Period: | 16,000 - 18,000 hours | 14,000 - 16,000 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, 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. Poorly matched loading equipment with continuous overloading. |
| Depreciation Period: | 12,000 hours | 10,000 hours |

# APPENDIX D

# EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

# 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 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 | 0 | .000 | .000 | .000 | .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 | | 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 |
| B30 | 0.00 | BUCKETS, CONCRETE | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | 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 | | 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 | | 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 | 0.00 | 0.66 | 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 |
| 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 (sawblade wear not included) | 95 | A | B | 6,000 | 0.10 | 90 | .900 | .090 | .460 | 0 | .000 | .000 | .000 | .477 | .339 | .403 | 0.00 | 0.00 | 0.90 | 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**
**SLV=Salvage Value**
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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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 16,000 | 0.15 | 65 | .650 | .065 | .033 | 10 | .100 | .010 | .006 | .000 | .403 | .382 | 0.97 | 0.78 | 0.00 | 0.60 |
| C80 | 0.01 | | 20 | S | B | 13,000 | 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 | 18,000 | 0.15 | 65 | .650 | .065 | .033 | 10 | .100 | .010 | .006 | .000 | .318 | .276 | 0.97 | 0.78 | 0.00 | 0.70 |
| C80 | 0.02 | | 20 | S | B | 15,000 | 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 | 20,000 | 0.15 | 65 | .650 | .065 | .033 | 10 | .100 | .010 | .006 | .000 | .318 | .276 | 0.97 | 0.78 | 0.00 | 0.80 |
| C80 | 0.03 | | 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 | 22,000 | 0.15 | 65 | .650 | .065 | .033 | 10 | .100 | .010 | .006 | .000 | .318 | .276 | 0.97 | 0.78 | 0.00 | 0.90 |
| C80 | 0.04 | | 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 | | 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 | | 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 | | 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 | | 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 | | 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 | | 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 |
| 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 | | 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 |

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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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C85 | 0.24 | | 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 | 16,000 | 0.15 | 50 | .500 | .050 | .026 | 10 | .100 | .010 | .005 | .000 | .403 | .382 | 0.97 | 0.78 | 0.00 | 0.60 |
| C90 | 0.01 | | 20 | S | B | 13,000 | 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 | 18,000 | 0.15 | 50 | .500 | .050 | .026 | 10 | .100 | .010 | .005 | .000 | .318 | .276 | 0.97 | 0.78 | 0.00 | 0.70 |
| C90 | 0.02 | | 20 | S | B | 15,000 | 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 | 20,000 | 0.20 | 50 | .500 | .050 | .026 | 10 | .100 | .010 | .005 | .000 | .318 | .276 | 0.97 | 0.78 | 0.00 | 0.80 |
| C90 | 0.03 | | 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 | 22,000 | 0.20 | 50 | .500 | .050 | .026 | 10 | .100 | .010 | .005 | .000 | .318 | .276 | 0.97 | 0.78 | 0.00 | 0.90 |
| C90 | 0.04 | | 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 | 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 |
| D15 | 0.00 | DRILLS, HORIZONTAL BORING & GROUND PIERCING | 25 | A | B | 12,000 | 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 | 25 | A | B | 10,000 | 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 | 25 | A | B | 12,000 | 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 | 25 | A | B | 12,000 | 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 | 1 | | | | | | | | | | | | | | | | | | | |
| D35 | 0.11 | DIESEL, 4.5" THRU 9.875" DIAMETER HOLE | 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 | 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 | 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 | 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 | | 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 | | 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 | 15,000 | 0.25 | 60 | .600 | .060 | .031 | 0 | .000 | .000 | .000 | .000 | .212 | .360 | 0.89 | 0.71 | 0.00 | 0.70 |

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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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G15 | 0.00 | | 35 | S | B | 12,000 | 0.25 | 78 | .780 | .078 | .040 | 0 | .000 | .000 | .000 | .000 | .212 | .360 | 0.71 | 0.51 | 0.00 | 0.75 |
| H10 | 0.00 | HAMMERS, HYDRAULIC (DEMOLITION TOOL) | 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 |
| 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 | 0.11 | 0 LBS THRU 40,000 LBS | 65 | A | B | 10,000 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .403 | .403 | 0.00 | 0.00 | 0.00 | 0.70 |
| H25 | 0.11 | | 65 | S | B | 8,000 | 0.25 | 85 | .850 | .085 | .044 | 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 | 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 | | 65 | S | B | 10,000 | 0.25 | 80 | .800 | .080 | .041 | 0 | .000 | .000 | .000 | .000 | .403 | .403 | 0.00 | 0.00 | 0.00 | 0.90 |
| H25 | 0.13 | OVER 100,000 LBS THRU 160,000 LBS | 65 | A | B | 18,000 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .233 | .233 | 0.00 | 0.00 | 0.00 | 1.10 |
| H25 | 0.13 | | 65 | S | B | 15,000 | 0.25 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .233 | .233 | 0.00 | 0.00 | 0.00 | 1.20 |
| H25 | 0.14 | OVER 160,000 LBS | 65 | A | B | 24,000 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 1.20 |
| H25 | 0.14 | | 65 | S | B | 20,000 | 0.25 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 1.30 |
| 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 | | | | | | | | | | | | | | | | | | | |

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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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | 65 | S | B | 6,000 | 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 | | 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 | 18,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .233 | .233 | 0.00 | 0.00 | 0.00 | 1.00 |
| H35 | 0.11 | | 65 | S | B | 15,000 | 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 | 36,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .254 | 0.00 | 0.00 | 0.00 | 1.20 |
| H35 | 0.12 | | 65 | S | B | 30,000 | 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 |
| H35 | 0.21 | | 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 | | 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 | 0 | .000 | .000 | .000 | .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 | | 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 | 8,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .339 | .403 | 0.00 | 0.00 | 0.00 | 1.35 |
| L35 | 0.00 | | 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 |
| L40 | 0.00 | LOADERS, FRONT END, WHEEL TYPE | 1 | | | | | | | | | | | | | | | | | | | |
| L40 | 0.11 | ARTICULATED, 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 | 0.70 |
| L40 | 0.11 | | 45 | S | B | 8,000 | 0.25 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .339 | .445 | 0.41 | 0.22 | 0.00 | 0.75 |
| L40 | 0.12 | ARTICULATED, OVER 225 HP | 45 | A | B | 12,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .339 | .318 | 0.70 | 0.42 | 0.00 | 0.70 |
| L40 | 0.12 | | 45 | S | B | 10,000 | 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 |

**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**
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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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 0.75 |
| L40 | 0.31 | | 45 | S | B | 8,000 | 0.25 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .339 | .445 | 0.41 | 0.22 | 0.00 | 0.80 |
| 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 | 0.75 |
| L40 | 0.32 | | 45 | S | B | 10,000 | 0.15 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .339 | .318 | 0.41 | 0.22 | 0.00 | 0.80 |
| 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 | | 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 |
| L50 | 0.00 | | 45 | S | B | 5,000 | 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 | 8,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .297 | 0.73 | 0.44 | 0.00 | 0.80 |
| L60 | 0.00 | | 75 | S | B | 7,000 | 0.15 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .254 | .297 | 0.38 | 0.21 | 0.00 | 0.85 |
| 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 MAINTENACE 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,TRANSPOR | 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",TRANSPORTABL | 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,TRANSPORT | 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,TRANSPORTABL | 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 | | 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 | | 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 | 0.41 | 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 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| 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 | 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 | | 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 0.51 | | 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 | | 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 | STEAM | 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 | STEAM | 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 | 17,500 | 0.20 | 35 | .350 | .035 | .018 | 0 | .000 | .000 | .000 | .000 | .000 | .424 | 0.00 | 0.00 | 0.00 | 1.05 |
| P35 0.00 | | 70 | S | B | 12,500 | 0.20 | 46 | .460 | .046 | .024 | 0 | .000 | .000 | .000 | .000 | .000 | .424 | 0.00 | 0.00 | 0.00 | 1.15 |
| 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 | 0.00 | 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 | 0.00 | 0.50 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| 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(no point wear included) | 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 | | 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 |

**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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**FT=Front Tire**
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**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| 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 | 12,000 | 0.20 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .000 | .424 | 0.59 | 0.33 | 0.65 | 0.75 |
| S10 | 0.01 | | 60 | S | B | 10,000 | 0.20 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .000 | .424 | 0.39 | 0.19 | 0.43 | 0.80 |
| S10 | 0.02 | OVER 200 HP | 60 | A | B | 14,000 | 0.25 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .000 | .339 | 0.59 | 0.33 | 0.65 | 0.65 |
| S10 | 0.02 | | 60 | S | B | 12,000 | 0.25 | 85 | .850 | .085 | .044 | 0 | .000 | .000 | .000 | .000 | .000 | .339 | 0.39 | 0.19 | 0.43 | 0.70 |
| S15 | 0.00 | SCRAPERS, CONVENTIONAL | 60 | A | B | 17,000 | 0.20 | 60 | .600 | .060 | .031 | 0 | .000 | .000 | .000 | .000 | .000 | .339 | 0.59 | 0.33 | 0.65 | 0.65 |
| S15 | 0.00 | | 60 | S | B | 12,000 | 0.20 | 78 | .780 | .078 | .040 | 0 | .000 | .000 | .000 | .000 | .000 | .339 | 0.39 | 0.19 | 0.43 | 0.70 |
| S20 | 0.00 | SCRAPERS, TANDEM POWERED | 60 | A | B | 17,000 | 0.20 | 62 | .620 | .062 | .032 | 62 | .620 | .062 | .032 | .000 | .000 | .276 | 0.59 | 0.33 | 0.65 | 0.65 |
| S20 | 0.00 | | 60 | S | B | 12,000 | 0.20 | 81 | .810 | .081 | .042 | 81 | .810 | .081 | .042 | .000 | .000 | .276 | 0.39 | 0.19 | 0.43 | 0.70 |
| 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 | | 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 | | 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 | | 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 | | 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 | | 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 | | 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 | 6,000 | 0.20 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .000 | .297 | 0.59 | 0.33 | 0.65 | 0.85 |
| S40 | 0.00 | | 60 | S | B | 5,000 | 0.20 | 91 | .910 | .091 | .047 | 0 | .000 | .000 | .000 | .000 | .000 | .297 | 0.39 | 0.19 | 0.43 | 0.95 |

**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**
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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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | 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 | 12,000 | 0.30 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .000 | .382 | 0.00 | 0.00 | 0.00 | 1.20 |
| T15 | 0.01 | | 70 | S | B | 10,000 | 0.30 | 91 | .910 | .091 | .047 | 0 | .000 | .000 | .000 | .000 | .000 | .382 | 0.00 | 0.00 | 0.00 | 1.30 |
| T15 | 0.02 | 226 HP THRU 425 HP | 70 | A | B | 20,000 | 0.25 | 70 | .700 | .070 | .036 | 0 | .000 | .000 | .000 | .000 | .000 | .297 | 0.00 | 0.00 | 0.00 | 1.00 |
| T15 | 0.02 | | 70 | S | B | 16,000 | 0.25 | 91 | .910 | .091 | .047 | 0 | .000 | .000 | .000 | .000 | .000 | .297 | 0.00 | 0.00 | 0.00 | 1.10 |
| T15 | 0.03 | OVER 425 HP | 70 | A | B | 24,000 | 0.20 | 60 | .600 | .060 | .031 | 0 | .000 | .000 | .000 | .000 | .000 | .254 | 0.00 | 0.00 | 0.00 | 1.10 |
| T15 | 0.03 | | 70 | S | B | 19,000 | 0.20 | 78 | .780 | .078 | .040 | 0 | .000 | .000 | .000 | .000 | .000 | .254 | 0.00 | 0.00 | 0.00 | 1.20 |
| T20 | 0.00 | TRACTORS, WHEEL TYPE (DOZER) | 75 | A | B | 12,000 | 0.15 | 60 | .600 | .060 | .031 | 0 | .000 | .000 | .000 | .000 | .254 | .297 | 0.73 | 0.44 | 0.00 | 0.60 |
| T20 | 0.00 | | 75 | S | B | 8,000 | 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 | 0.70 |
| 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 | | 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 | | 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 | | 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 | 0 | .000 | .000 | .000 | .477 | .339 | .339 | 0.00 | 0.00 | 0.65 | 0.70 |
| 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 |

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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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | 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 | | 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 | | 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 OPTION | 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 | | 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 | | 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 | 30,000 | 0.15 | 35 | .350 | .035 | .018 | 0 | .000 | .000 | .000 | .000 | .000 | .360 | 0.59 | 0.36 | 0.65 | 0.60 |
| T55 | 0.10 | | 90 | S | B | 24,000 | 0.15 | 45 | .450 | .045 | .023 | 0 | .000 | .000 | .000 | .000 | .000 | .360 | 0.39 | 0.21 | 0.43 | 0.70 |
| T55 | 0.20 | ARTICULATED FRAME | 90 | A | B | 10,000 | 0.15 | 50 | .500 | .050 | .026 | 0 | .000 | .000 | .000 | .000 | .000 | .200 | 0.59 | 0.36 | 0.65 | 0.60 |
| T55 | 0.20 | | 90 | S | B | 8,000 | 0.15 | 60 | .600 | .060 | .031 | 0 | .000 | .000 | .000 | .000 | .000 | .200 | 0.39 | 0.21 | 0.43 | 0.70 |
| T56 | 0.00 | TRUCKS,OFF-HIGHWAY/PRIME MOVER TRACTORS & WAGON | 1 | | | | | | | | | | | | | | | | | | | |
| T56 | 0.10 | PRIME MOVER TRACTORS | 90 | A | B | 30,000 | 0.15 | 40 | .400 | .040 | .021 | 0 | .000 | .000 | .000 | .000 | .254 | .360 | 0.59 | 0.36 | 0.65 | 0.60 |
| T56 | 0.10 | | 90 | S | B | 24,000 | 0.15 | 65 | .650 | .065 | .033 | 0 | .000 | .000 | .000 | .000 | .254 | .339 | 0.39 | 0.22 | 0.43 | 0.70 |
| 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 |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T56 | 0.20 | | 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 | | 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 | | 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 | | 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 | 16,000 | 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 | 16,000 | 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 | 16,000 | 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 | 16,000 | 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 | | 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 | | 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 | | | | | | | | | | | | | | | | | | | |
| 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 | .000 | .000 | 0 | .000 | .000 | .000 | .530 | .000 | .000 | 0.77 | 0.73 | 0.90 | 1.00 |
| W30 | 0.00 | WATER TANKS | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 1998 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | {--Projected---------} | | | | | | | | | | | | | | | | | | | |
| *(EK)* | EQUIPMENT DIVISIONS | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 | 1996 | 1995 | 1994 | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 |
| 5 | Air Equipment | 2250 | 2180 | 2113 | 2047 | 2078 | 2074 | 2070 | 2063 | 2053 | 2012 | 2022 | 2008 | 1963 | 1956 | 1888 | 1801 | 1730 | 1720 | 1733 |
| 10 | Asphalt & Concrete Paving Equipment | 4085 | 3959 | 3836 | 3717 | 3638 | 3589 | 3490 | 3390 | 3323 | 3248 | 3189 | 3092 | 3106 | 2967 | 2867 | 2793 | 2730 | 2687 | 2687 |
| 15 | Buckets | 7584 | 7349 | 7121 | 6900 | 6982 | 6930 | 6888 | 6774 | 6672 | 6638 | 6663 | 6380 | 5901 | 5640 | 5314 | 4872 | 4767 | 4713 | 4640 |
| 20 | Cranes, Draglines & Clamshells - Crawler & Truck Mtd | 5836 | 5655 | 5480 | 5310 | 5289 | 5225 | 5116 | 5013 | 4880 | 4783 | 4736 | 4540 | 4298 | 4152 | 3967 | 3688 | 3595 | 3485 | 3395 |
| 25 | Drills | 4106 | 3979 | 3856 | 3736 | 3683 | 3626 | 3574 | 3518 | 3394 | 3320 | 3268 | 3196 | 3163 | 3069 | 2969 | 2807 | 2792 | 2786 | 2832 |
| 30 | Generators | 4978 | 4823 | 4674 | 4529 | 4520 | 4517 | 4484 | 4511 | 4457 | 4343 | 4294 | 4234 | 4181 | 4116 | 3998 | 3773 | 3575 | 3514 | 3510 |
| 35 | Graders, Motor | 6542 | 6339 | 6142 | 5952 | 5853 | 5682 | 5544 | 5466 | 5186 | 5088 | 4946 | 4655 | 4509 | 4359 | 4219 | 4010 | 3914 | 3759 | 3738 |
| 40 | Loaders, Track | 6630 | 6424 | 6225 | 6032 | 5960 | 5792 | 5686 | 5606 | 5434 | 5257 | 5068 | 4816 | 4677 | 4555 | 4404 | 4163 | 3918 | 3770 | 3767 |
| 45 | Loaders, Wheel | 6119 | 5929 | 5745 | 5567 | 5511 | 5409 | 5303 | 5251 | 5101 | 4988 | 4894 | 4758 | 4640 | 4532 | 4409 | 4235 | 4099 | 3991 | 3973 |
| 50 | Pile Driving Equipment | 5619 | 5444 | 5276 | 5112 | 5062 | 4993 | 4892 | 4809 | 4700 | 4598 | 4539 | 4427 | 4305 | 4182 | 4029 | 3845 | 3745 | 3668 | 3626 |
| 55 | Rollers | 5638 | 5464 | 5294 | 5130 | 5204 | 5092 | 5001 | 4950 | 4851 | 4719 | 4484 | 4460 | 4668 | 4630 | 4507 | 4412 | 4217 | 4151 | 4090 |
| 60 | Scrapers & Soil Stabilizers | 6542 | 6339 | 6142 | 5952 | 5853 | 5682 | 5544 | 5466 | 5186 | 5088 | 4946 | 4655 | 4509 | 4359 | 4219 | 4010 | 3914 | 3759 | 3738 |
| 65 | Shovels, Backhoes & Hydraulic Excavators | 5836 | 5655 | 5480 | 5310 | 5289 | 5225 | 5116 | 5013 | 4880 | 4783 | 4736 | 4540 | 4298 | 4152 | 3967 | 3688 | 3595 | 3485 | 3395 |
| 70 | Tractors, Crawlers & Attachments | 6630 | 6424 | 6225 | 6032 | 5960 | 5792 | 5686 | 5606 | 5434 | 5257 | 5068 | 4816 | 4677 | 4555 | 4404 | 4163 | 3918 | 3770 | 3767 |
| 75 | Tractor, Wheel | 5392 | 5225 | 5063 | 4906 | 4833 | 4695 | 4624 | 4540 | 4527 | 4484 | 4342 | 4270 | 4186 | 4123 | 4018 | 3936 | 3862 | 3820 | 3818 |
| 80 | Trenchers | 6960 | 6744 | 6535 | 6332 | 6223 | 6042 | 5833 | 5749 | 5670 | 5509 | 5207 | 5015 | 4948 | 4886 | 4753 | 4679 | 4600 | 4586 | 4488 |
| 85 | Trucks, Highway | 4629 | 4486 | 4347 | 4212 | 4307 | 4216 | 4241 | 4318 | 4293 | 4190 | 4025 | 3838 | 3669 | 3546 | 3495 | 3363 | 3299 | 3282 | 3139 |
| 90 | Trucks & Wagons - Off-Highway | 6406 | 6207 | 6014 | 5828 | 5715 | 5651 | 5581 | 5440 | 5265 | 4979 | 4837 | 4797 | 4739 | 4617 | 4405 | 4094 | 3915 | 3840 | 3822 |
| 95 | All Other Equipment | 5619 | 5444 | 5276 | 5112 | 5062 | 4993 | 4892 | 4809 | 4700 | 4598 | 4539 | 4427 | 4305 | 4182 | 4029 | 3845 | 3745 | 3668 | 3626 |
| 100 | All Tires & Tubes | 2608 | 2527 | 2449 | 2373 | 2371 | 2400 | 2431 | 2475 | 2559 | 2517 | 2525 | 2524 | 2506 | 2470 | 2480 | 2399 | 2322 | 2340 | 2374 |
| 105 | Marine Equipment | 6204 | 6012 | 5826 | 5645 | 5556 | 5513 | 5429 | 5245 | 5036 | 4951 | 4881 | 4679 | 4438 | 4271 | 4091 | 3920 | 3886 | 3863 | 3749 |

**EK = Economic Key**

# 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 | 2001 | 5.50% | 1360 | 1.15 | $0.097 | $1.56 | $1.45 | $1.69 | 240 | $6.92 | 300 | $6.25 | 400 | $5.58 | 500 | $5.04 | 700 | $4.50 | 800 | $4.73 | 99,999 | $5.68 |
| 2 | MIDEAST | 2001 | 5.40% | 1450 | 1.04 | $0.063 | $1.51 | $1.34 | $1.59 | 240 | $5.24 | 300 | $4.73 | 400 | $4.23 | 500 | $3.82 | 700 | $3.41 | 800 | $3.58 | 99,999 | $4.33 |
| 3 | SOUTHEAST | 2001 | 7.60% | 1530 | 0.83 | $0.063 | $1.42 | $1.29 | $1.53 | 240 | $4.23 | 300 | $3.82 | 400 | $3.41 | 500 | $3.08 | 700 | $2.75 | 800 | $2.65 | 99,999 | $2.35 |
| 4 | NORTHCENTRAL | 2001 | 5.40% | 1260 | 1.04 | $0.060 | $1.62 | $1.40 | $1.64 | 240 | $5.71 | 300 | $5.16 | 400 | $4.61 | 500 | $4.16 | 700 | $3.71 | 800 | $3.63 | 99,999 | $3.32 |
| 5 | MIDWEST | 2001 | 7.10% | 1400 | 0.98 | $0.064 | $1.48 | $1.37 | $1.61 | 240 | $4.59 | 300 | $4.14 | 400 | $3.70 | 500 | $3.34 | 700 | $2.98 | 800 | $2.74 | 99,999 | $2.43 |
| 6 | SOUTHWEST | 2001 | 8.70% | 1590 | 0.88 | $0.070 | $1.47 | $1.29 | $1.53 | 240 | $5.29 | 300 | $4.78 | 400 | $4.27 | 500 | $3.86 | 700 | $3.44 | 800 | $3.28 | 99,999 | $3.01 |
| 7 | WEST | 2001 | 7.60% | 1630 | 1.17 | $0.064 | $1.69 | $1.58 | $1.82 | 240 | $7.17 | 300 | $6.47 | 400 | $5.78 | 500 | $5.22 | 700 | $4.66 | 800 | $4.47 | 99,999 | $4.01 |
| 8 | NORTHWEST | 2001 | 5.20% | 1540 | 1.09 | $0.047 | $1.69 | $1.60 | $1.85 | 240 | $8.65 | 300 | $7.81 | 400 | $6.97 | 500 | $6.30 | 700 | $5.62 | 800 | $5.48 | 99,999 | $4.98 |
| 9 | ALASKA | 2001 | 0.00% | 1040 | 1.22 | $0.093 | $1.73 | $1.16 | $1.40 | 240 | $20.91 | 300 | $18.89 | 400 | $16.86 | 500 | $15.23 | 700 | $13.60 | 800 | $13.83 | 99,999 | $11.50 |
| 10 | HAWAII | 2001 | 6.00% | 1480 | 1.23 | $0.140 | $1.90 | $1.44 | $2.00 | 240 | $21.11 | 300 | $19.66 | 400 | $18.24 | 500 | $17.02 | 700 | $15.82 | 800 | $14.64 | 99,999 | $11.53 |
| 11 | PUERTO RICO | 2001 | 6.60% | 1560 | 0.74 | $0.130 | $1.46 | $1.28 | $1.52 | 240 | $17.33 | 300 | $16.25 | 400 | $15.19 | 500 | $14.26 | 700 | $13.35 | 800 | $12.31 | 99,999 | $9.79 |
| 12 | KWAJALEIN | 2001 | 4.70% | 1390 | 1.18 | $0.124 | $1.01 | $0.98 | $0.98 | 240 | $21.11 | 300 | $19.66 | 400 | $18.24 | 500 | $17.02 | 700 | $15.82 | 800 | $14.64 | 99,999 | $11.53 |

**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 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) | | 800R165LT | 8.00 x 16.50 | 8 | TL | $122 |
| (ABAA1) | | LT235/75R15 | 9.25 x 15.00 | 6 | TL | $104 |
| (ABAA3) | | LT265/75R16 | 10.40 x 16.00 | 6 | TL | $135 |
| (ABAA2) | | 31-1050R15LT | 10.50 x 15.00 | 6 | TL | $126 |
| | **WORKHORSE EXTRA GRIP RADIAL** | | ***(Life = 5000 hrs )*** | | | |
| (ABAB1) | | P215/70R14 | 8.40 x 14.00 | S2 | TL | $79 |
| (ABAB2) | | P215/75R15 | 8.40 x 15.00 | S2 | TL | $79 |
| | **SERVICE TRAILER - MARATHON RADIAL** | | ***(Life = 5000 hrs )*** | | | |
| (ABBF1) | | ST175/80R13 | 6.90 x 13.00 | 4 | TL | $67 |
| (ABBF3) | | ST185/80R13 | 7.30 x 13.00 | 6 | TL | $77 |
| (ABBF5) | | ST205/75R14 | 8.10 x 14.00 | 6 | TL | $93 |
| (ABBF8) | | ST205/75R15 | 8.10 x 15.00 | 6 | TL | $102 |
| (ABBF6) | | ST215/75R14 | 8.40 x 14.00 | 6 | TL | $98 |
| (ABBF9) | | ST225/75R15 | 8.80 x 15.00 | 6 | TL | $113 |
| (ABBF10) | | ST225/75R15 | 8.80 x 15.00 | 8 | TL | $122 |
| **LT TRUCK/RECREATIONAL VEHICLE, BIAS** | | | | | | |
| | **WORKHORSE RIB** | | ***(Life = 5000 hrs )*** | | | |
| (ACBA1) | | 700-15LT | 7.00 x 15.00 | 6 | TL | $92 |
| (ACBA2) | | 700-15LT | 7.00 x 15.00 | 8 | TL | $98 |
| (ACBA4) | | 750-16LT | 7.50 x 16.00 | 10 | TL | $114 |
| (ACBA5) | | 800-16.5LT | 8.00 x 16.50 | 8 | TL | $101 |
| (ACBA7) | | 875-16.5LT | 8.75 x 16.50 | 10 | TL | $116 |
| (ACBA9) | | 950-16.5LT | 9.50 x 16.50 | 10 | TL | $128 |
| | **TRACTION HI-MILER** | | ***(Life = 5000 hrs )*** | | | |
| (ACBC1) | | 6.70-15LT | 6.70 x 15.00 | 6 | TL | $91 |
| (ACBC3) | | 8-14.5LT | 8.00 x 14.50 | 12 | TL | $190 |
| (ACBC4) | | 9-14.5LT | 9.00 x 14.50 | 12 | TL | $213 |
| | **CUSTOM HI-MILER** | | ***(Life = 5000 hrs )*** | | | |
| (ACBD1) | | 12-16.5LT | 12.00 x 16.50 | 12 | TL | $365 |
| (ACBD2) | | 14-17.5 | 14.00 x 17.50 | 10 | TL | $689 |
| **OVER-THE-ROAD TRUCK, COMMERCIAL, RADIAL** | | | | | | |
| | **COMMERICAL RADIAL LT TRUCK** | | ***(Life = 5000 hrs )*** | | | |
| (ADCA2) | | LT225/75R16 | 7.50 x 16.00 | 10 | TL | $156 |
| (ADCA1) | | 750R16LT | 7.50 x 16.00 | 8 | TL | $171 |

*(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 |
|---|---|---|---|---|---|---|
| (ADCA14) | | 8R17.5 | 8.00 x 17.50 | 10 | TL | $179 |
| (ADCA17) | | 8R19.5 | 8.00 x 19.50 | 10 | TL | $277 |
| (ADCA18) | | 8R195 | 8.00 x 19.50 | 12 | TL | $186 |
| (ADCA4) | | LT215/85R16 | 8.40 x 16.00 | 10 | TL | $177 |
| (ADCA3) | | LT215/85R16 | 8.40 x 16.00 | 8 | TL | $163 |
| (ADCA13) | | 875R16.5 | 8.75 x 16.50 | 10 | TL | $165 |
| (ADCA6) | | LT225/75R16 | 8.85 x 16.00 | 10 | TL | $184 |
| (ADCA19) | | 225/70R195 | 8.85 x 19.50 | 12 | TL | $223 |
| (ADCA8) | | LT235/85R16 | 9.25 x 16.00 | 10 | TL | $177 |
| (ADCA15) | | 950R16.5LT | 9.50 x 16.50 | 8 | TL | $141 |
| (ADCA11) | | LT245/75R16 | 9.65 x 16.00 | 10 | TL | $185 |
| (ADCA21) | | 245/70R195 | 9.65 x 19.50 | 14 | TL | $251 |
| **COMMERCIAL RADIAL TRUCK TL** | | | ***(Life = 5000 hrs )*** | | | |
| (ADCB1) | | 8.5R17.5 | 8.50 x 17.50 | 12 | TL | $186 |
| (ADCB2) | | 9R17.5 | 9.00 x 17.50 | 16 | TL | $192 |
| (ADCB5) | | 9R22.5 | 9.00 x 22.50 | 12 | TL | $238 |
| (ADCB3) | | 10R17.5 | 10.00 x 17.50 | 16 | TL | $210 |
| (ADCB7) | | 10R22.5 | 10.00 x 22.50 | 14 | TL | $313 |
| (ADCB4) | | 11R17.5 | 11.00 x 17.50 | 16 | TL | $284 |
| (ADCB8) | | 11R22.5 | 11.00 x 22.50 | 14 | TL | $395 |
| (ADCB9) | | 11R22.5 | 11.00 x 22.50 | 16 | TL | $412 |
| (ADCB13) | | 11R24.5 | 11.00 x 24.50 | 16 | TL | $424 |
| (ADCB10) | | 12R22.5 | 12.00 x 22.50 | 16 | TL | $494 |
| (ADCB14) | | 12R24.5 | 12.00 x 24.50 | 16 | TL | $509 |
| **LOW PROFILE RADIAL TRUCK TL** | | | ***(Life = 5000 hrs )*** | | | |
| (ADCC1) | | 215/75R17.5 | 8.40 x 17.50 | 16 | TL | $199 |
| (ADCC5) | | 245/75R22.5 | 9.60 x 22.50 | 14 | TL | $233 |
| (ADCC3) | | 255/70R22.5 | 10.00 x 22.50 | 16 | TL | $281 |
| (ADCC2) | | 265/70R19.5 | 10.40 x 19.50 | 14 | TL | $243 |
| (ADCC6) | | 265/75R22.5 | 10.40 x 22.50 | 14 | TL | $285 |
| (ADCC4) | | 275/70R22.5 | 10.80 x 22.50 | 16 | TL | $324 |
| (ADCC12) | | 285/75R24.5 | 11.20 x 24.50 | 14 | TL | $405 |
| (ADCC8) | | 295/75R22.5 | 11.60 x 22.50 | 16 | TL | $382 |
| (ADCC10) | | 315/80R22.5 | 12.40 x 22.50 | 18 | TL | $481 |
| **SUPER SINGLE COMMERCIAL RADIAL TRUCK** | | | ***(Life = 5000 hrs )*** | | | |
| (ADCD1) | | 385/65R22.5 | 15.10 x 22.50 | 18 | TL | $560 |
| (ADCD2) | | 425/65R22.5 | 16.70 x 22.50 | 20 | TL | $635 |
| (ADCD3) | | 445/65R22.5 | 17.50 x 22.50 | 20 | TL | $717 |
| **COMMERCIAL RADIAL TRUCK TT** | | | ***(Life = 5000 hrs )*** | | | |
| (ADCE1) | | 825R15 | 8.25 x 15.00 | 14 | TT | $221 |
| (ADCE5) | | 825R20 | 8.25 x 20.00 | 12 | TT | $216 |

*(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 |
|---|---|---|---|---|---|---|
| (ADCE6) | | 900R20 | 9.00 x 20.00 | 12 | TT | $275 |
| (ADCE3) | | 1000R15 | 10.00 x 15.00 | 14 | TT | $284 |
| (ADCE7) | | 1000R20 | 10.00 x 20.00 | 14 | TT | $308 |
| (ADCE13) | | 1000R22 | 10.00 x 22.00 | 14 | TT | $341 |
| (ADCE12) | | 365/80R20 | 10.40 x 20.00 | 18 | TT | $522 |
| (ADCE9) | | 1100R20 | 11.00 x 20.00 | 14 | TT | $356 |
| (ADCE10) | | 1100R20 | 11.00 x 20.00 | 16 | TT | $442 |
| (ADCE14) | | 1100R22 | 11.00 x 22.00 | 16 | TT | $458 |
| (ADCE15) | | 1100R24 | 11.00 x 24.00 | 16 | TT | $443 |
| (ADCE11) | | 1200R20 | 12.00 x 20.00 | 18 | TT | $468 |
| (ADCE17) | | 1200R24 | 12.00 x 24.00 | 18 | TT | $488 |
| (ADCE16) | | 1400R20 | 14.00 x 20.00 | 20 | TT | $605 |
| **OVER-THE-ROAD TRUCK, COMMERCIAL, BIAS** | | | | | | |
| **COMMERCIAL BIAS PLY TRUCK TL** | | | *(Life = 5000 hrs )* | | | |
| (AEDA1) | | 10-22.5 | 10.00 x 22.50 | 10 | TL | $193 |
| (AEDA2) | | 11-22.5 | 11.00 x 22.50 | 12 | TL | $274 |
| (AEDA3) | | 11-24.5 | 11.00 x 24.50 | 12 | TL | $253 |
| **COMMERCIAL BIAS PLY TRUCK TT** | | | *(Life = 5000 hrs )* | | | |
| (AEDB1) | | 7.50-20 | 7.50 x 20.00 | 10 | TT | $121 |
| (AEDB2) | | 8.25-20 | 8.25 x 20.00 | 10 | TT | $146 |
| (AEDB3) | | 9.00-20 | 9.00 x 20.00 | 10 | TT | $176 |
| (AEDB4) | | 9.00-20 | 9.00 x 20.00 | 12 | TT | $196 |
| (AEDB5) | | 10.00-20 | 10.00 x 20.00 | 12 | TT | $233 |
| (AEDB7) | | 11.00-20 | 11.00 x 20.00 | 14 | TT | $315 |
| (AEDB8) | | 12.00-20 | 12.00 x 20.00 | 14 | TT | $422 |
| (AEDB9) | | 14.00-24 | 14.00 x 24.00 | 20 | TT | $795 |
| **FARM, FRONT** | | | | | | |
| **ALL SERVICE NON DIRECTIONAL** | | | *(Life = 5000 hrs )* | | | |
| (AFEA1) | NDCC-M | 40-19-195 | 19.00 x 19.50 | 14 | TL | $919 |
| **AM IMPLEMENT** | | | *(Life = 5000 hrs )* | | | |
| (AFEB3) | I-1 | 100/80-12 | 3.90 x 12.00 | 8 | TL | $236 |
| (AFEB2) | I-1 | 125/80-18 | 4.90 x 18.00 | 10 | TL | $399 |
| **DRILL RIB** | | | *(Life = 5000 hrs )* | | | |
| (AFEC1) | I-1 | 750-20 | 7.50 x 20.00 | 4 | TL | $198 |
| **DYNA RIB F-2-M** | | | *(Life = 5000 hrs )* | | | |
| (AFED2) | F-2M | 1000-16 | 10.00 x 16.00 | 8 | TL | $139 |
| (AFED1) | F-2M | 11L-15 | 11.00 x 15.00 | 6 | TL | $159 |
| (AFED4) | F-2M | 1100-16 | 11.00 x 16.00 | 12 | TL | $280 |

*(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 |
|---|---|---|---|---|---|---|
| (AFED8) | F-2M | 1100-24 | 11.00 x 24.00 | 12 | TL | $502 |
| (AFED6) | F-2M | 14L-161 | 14.00 x 16.10 | 10 | TL | $387 |
| (AFED7) | F-2M | 165L-161 | 16.50 x 16.10 | 8 | TL | $459 |
| **SINGLE RIB FRONT TRACTOR F-1** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEE1) | F-1 | 600-16 | 6.00 x 16.00 | 4 | TT | $88 |
| (AFEE2) | F-2 | 750-16 | 7.50 x 16.00 | 6 | TL | $123 |
| **FARM HIGHWAY SERVICE** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEF2) | I-1 | 95L-15FI | 9.50 x 15.00 | 8 | TL | $105 |
| (AFEF5) | I-1 | 11L-15FI | 11.00 x 15.00 | 12 | TL | $153 |
| (AFEF7) | I-1 | 125L-15FI | 12.50 x 15.00 | 12 | TL | $196 |
| **FARM UTILITY** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEG7) | I-1 | 750-14 | 7.50 x 14.00 | 4 | TL | $74 |
| (AFEG14) | I-1 | 760-15 | 7.60 x 15.00 | 8 | TL | $74 |
| (AFEG8) | I-1 | 85L-14 | 8.50 x 14.00 | 6 | TL | $75 |
| (AFEG1) | I-1 | 95L-14 | 9.50 x 14.00 | 8 | TT | $75 |
| (AFEG17) | I-1 | 95L-15 | 9.50 x 15.00 | 12 | TL | $114 |
| (AFEG18) | I-1 | 1000-15 | 10.00 x 15.00 | 8 | TL | $126 |
| (AFEG11) | I-1 | 11L-14 | 11.00 x 14.00 | 8 | TL | $97 |
| (AFEG22) | I-1 | 11L-15 | 11.00 x 15.00 | 12 | TL | $121 |
| (AFEG20) | I-1 | 11L-15 | 11.00 x 15.00 | 8 | TL | $83 |
| (AFEG34) | I-1 | 11L-16 | 11.00 x 16.00 | 10 | TL | $139 |
| (AFEG25) | I-1 | 125L-15 | 12.50 x 15.00 | 12 | TL | $166 |
| (AFEG30) | I-1 | 125L-16 | 12.50 x 16.00 | 12 | TL | $177 |
| (AFEG29) | I-1 | 125L-16 | 12.50 x 16.00 | 8 | TL | $140 |
| (AFEG28) | I-1 | 14L-161 | 14.00 x 16.10 | 8 | TL | $282 |
| (AFEG31) | I-1 | 165L-161 | 16.50 x 16.10 | 10 | TL | $299 |
| (AFEG32) | I-1 | 19L-161 | 19.00 x 16.10 | 10 | TL | $404 |
| (AFEG26) | I-1 | 215L-161 | 21.50 x 16.10 | 10 | TL | $437 |
| (AFEG27) | I-1 | 215L-161 | 21.50 x 16.10 | 14 | TL | $525 |
| **FOUR RIB FRONT TRACTOR F-2-M** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEH1) | F-2M | 750-16 | 7.50 x 16.00 | 6 | TT | $98 |
| (AFEH3) | F-2M | 1000-16 | 10.00 x 16.00 | 8 | TT | $130 |
| (AFEH4) | F-2M | 1100-16 | 11.00 x 16.00 | 8 | TT | $155 |
| **HI-MILER M SS** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEJ2) | | 36-16-175 | 16.00 x 17.50 | 10 | TL | $583 |
| **IMPLEMENT RIB** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEK1) | I-1 | 400-09 | 4.00 x 9.00 | 4 | TT | $33 |
| (AFEK11) | I-1 | 400-18 | 4.00 x 18.00 | 4 | TT | $57 |
| (AFEK4) | I-1 | 500-15 | 5.00 x 15.00 | 4 | TT | $58 |

*(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 |
|---|---|---|---|---|---|---|
| (AFEK16) | I-1 | 590-15 | 5.90 x 15.00 | 4 | TL | $73 |
| (AFEK6) | I-1 | 600-16 | 6.00 x 16.00 | 6 | TT | $70 |
| (AFEK7) | I-1 | 650-16 | 6.50 x 16.00 | 6 | TT | $78 |
| (AFEK5) | I-1 | 670-15 | 6.70 x 15.00 | 6 | TT | $74 |
| (AFEK9) | I-1 | 750-16 | 7.50 x 16.00 | 10 | TT | $104 |
| (AFEK12) | I-1 | 750-18 | 7.50 x 18.00 | 6 | TT | $116 |
| (AFEK19) | I-1 | 750-20 | 7.50 x 20.00 | 6 | TL | $145 |
| (AFEK3) | I-1 | 900-10 | 9.00 x 10.00 | 4 | TT | $85 |
| (AFEK10) | I-1 | 900-16 | 9.00 x 16.00 | 10 | TT | $124 |
| (AFEK13) | I-1 | 900-24 | 9.00 x 24.00 | 8 | TT | $287 |
| (AFEK14) | I-1 | 1125-28 | 11.25 x 28.00 | 12 | TT | $573 |
| **LABORER F-3** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEL6) | F-3 | 145/75-161 | 5.70 x 16.10 | 10 | TL | $414 |
| (AFEL3) | F-3 | 800-16 | 8.00 x 16.00 | 10 | TL | $139 |
| (AFEL2) | F-3 | 11L-15 | 11.00 x 15.00 | 10 | TL | $152 |
| (AFEL4) | F-3 | 11L-16 | 11.00 x 16.00 | 10 | TL | $161 |
| (AFEL5) | F-3 | 11L-16 | 11.00 x 16.00 | 12 | TL | $183 |
| **MULTI-RIB F-3** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEM1) | F-3 | 900-10 | 9.00 x 10.00 | 10 | TT | $127 |
| (AFEM2) | F-3 | 1100-16 | 11.00 x 16.00 | 12 | TL | $268 |
| **SMOOTH** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEN2) | | 11L-15 | 11.00 x 15.00 | 10 | TL | $125 |
| (AFEN3) | | 11L-15 | 11.00 x 15.00 | 12 | TL | $157 |
| (AFEN1) | I-1 | 169-30 | 16.90 x 30.00 | 6 | TL | $1,248 |
| **SMOOTH IMP** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEO1) | | 400-8 | 4.00 x 8.00 | 4 | TL | $38 |
| **SOFTRAC II** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEP1) | I-2 | 165L-161 | 16.50 x 16.10 | 6 | TL | $525 |
| (AFEP3) | I-2 | 215L-161 | 21.50 x 16.10 | 10 | TL | $773 |
| **SUPER FLOATATION** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEQ1) | I-1 | 130/65-18 | 5.10 x 18.00 | 12 | TL | $669 |
| **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 | $47 |
| (AFES1) | G-1 | 7-16 | 7.00 x 16.00 | 2 | TT | $79 |
| (AFES4) | G-2 | 8-16 | 8.00 x 16.00 | 2 | TL | $121 |
| (AFES3) | G-1 | 8-16 | 8.00 x 16.00 | 2 | TL | $127 |

*(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 |
|---|---|---|---|---|---|---|
| **SURE GRIP IMPLEMENT** | | | ***(Life = 5000 hrs )*** | | | |
| (AFET1) | I-3 | 105/80-18 | 4.10 x 18.00 | 10 | TL | $450 |
| (AFET2) | I-3 | 125/80-18 | 4.90 x 18.00 | 10 | TL | $442 |
| **SURE GRIP LUG** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEU2) | I-3 | 105/80-18 | 10.50 x 18.00 | 10 | TL | $298 |
| (AFEU1) | I-3 | 124-16 | 12.40 x 16.00 | 4 | TL | $284 |
| (AFEU3) | I-3 | 125/80-18 | 12.50 x 18.00 | 10 | TL | $450 |
| **SURE GRIP TRACTION** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEV1) | I-3 | 670-15 | 6.70 x 15.00 | 4 | TT | $71 |
| (AFEV5) | I-3 | 750-16 | 7.50 x 16.00 | 4 | TL | $111 |
| (AFEV2) | I-3 | 750-18 | 7.50 x 18.00 | 4 | TT | $109 |
| (AFEV3) | I-3 | 750-20 | 7.50 x 20.00 | 4 | TT | $162 |
| (AFEV4) | I-3 | 760-15 | 7.60 x 15.00 | 6 | TL | $94 |
| (AFEV7) | I-3 | 125L-15 FI | 12.50 x 15.00 | 12 | TL | $220 |
| (AFEV8) | I-3 | 165L-161 | 16.50 x 16.10 | 6 | TL | $435 |
| (AFEV10) | I-3 | 215L-161 | 21.50 x 16.10 | 12 | TL | $827 |
| **TRACTION IMPLEMENT** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEW1) | I-3 | 500-15 | 5.00 x 15.00 | 4 | TL | $69 |
| (AFEW2) | I-3 | 590-15 | 5.90 x 15.00 | 4 | TL | $74 |
| **TRIPLE RIB HD** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEX8) | F-2 | 550-16 | 5.50 x 16.00 | 6 | TT | $61 |
| (AFEX10) | F-2 | 600-16 | 6.00 x 16.00 | 6 | TT | $61 |
| (AFEX11) | F-2 | 650-16 | 6.50 x 16.00 | 6 | TT | $69 |
| (AFEX4) | F-2 | 75L-15 | 7.50 x 15.00 | 6 | TT | $79 |
| (AFEX13) | F-2 | 750-16 | 7.50 x 16.00 | 8 | TT | $95 |
| (AFEX14) | F-2 | 750-18 | 7.50 x 18.00 | 6 | TT | $112 |
| (AFEX5) | F-2 | 95L-15 | 9.50 x 15.00 | 8 | TT | $116 |
| (AFEX16) | F-2 | 1000-16 | 10.00 x 16.00 | 8 | TL | $147 |
| (AFEX6) | F-2 | 11L-15 | 11.00 x 15.00 | 8 | TT | $133 |
| (AFEX17) | F-2 | 1100-16 | 11.00 x 16.00 | 8 | TL | $177 |
| **TRIPLE RIB R/S F-2** | | | ***(Life = 5000 hrs )*** | | | |
| (AFEY2) | F-2 | 400-19 | 4.00 x 19.00 | 4 | TT | $48 |
| (AFEY1) | F-2 | 500-15 | 5.00 x 15.00 | 4 | TT | $49 |
| **FARM, REAR** | | | | | | |
| **ALL TRACTION R-3** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFA1) | R-3 | 750-16 | 7.50 x 16.00 | 4 | TT | $170 |

*(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 |
|---|---|---|---|---|---|---|
| **ALL WEATHER R-3** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFB2) | R-3 | 95-24 | 9.50 x 24.00 | 4 | TT | $263 |
| (AGFB1) | R-3 | 124-16 | 12.40 x 16.00 | 12 | TT | $398 |
| (AGFB7) | R-3 | 136-161 | 13.60 x 16.10 | 8 | TL | $586 |
| (AGFB5) | R-3 | 136-28 | 13.60 x 28.00 | 6 | TT | $514 |
| (AGFB3) | R-3 | 149-24 | 14.90 x 24.00 | 6 | TL | $477 |
| (AGFB4) | R-3 | 169-24 | 16.90 x 24.00 | 6 | TL | $657 |
| (AGFB8) | R-3 | 184-161 | 18.40 x 16.10 | 8 | TL | $782 |
| (AGFB10) | R-3 | 184-26 | 18.40 x 26.00 | 10 | TL | $830 |
| (AGFB11) | R-3 | 231-26 | 23.10 x 26.00 | 10 | TL | $1,162 |
| (AGFB12) | R-3 | 231-26 | 23.10 x 26.00 | 12 | TL | $1,221 |
| (AGFB14) | R-3 | 245-32 | 24.50 x 32.00 | 12 | TL | $1,857 |
| (AGFB13) | R-3 | 28L-26 | 28.00 x 26.00 | 12 | TL | $1,826 |
| (AGFB15) | R-3 | 305L-32 | 30.50 x 32.00 | 12 | TL | $2,454 |
| (AGFB16) | R-3 | 305L-32 | 30.50 x 32.00 | 24 | TL | $4,984 |
| **DT 710 RADIAL** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFC1) | R-1 | 320/75R24 | 12.60 x 24.00 | X1 | TL | $380 |
| (AGFC12) | R-1 | 136R28 | 13.60 x 28.00 | X3 | TL | $530 |
| (AGFC11) | R-1 | 149R24 | 14.90 x 24.00 | X3 | TL | $611 |
| (AGFC13) | R-1 | 149R28 | 14.90 x 28.00 | X3 | TL | $641 |
| (AGFC9) | R-1 | 155R38 | 15.50 x 38.00 | X1 | TL | $583 |
| (AGFC14) | R-1 | 169R28 | 16.90 x 28.00 | X2 | TL | $799 |
| (AGFC6) | R-1 | 169R30 | 16.90 x 30.00 | X1 | TL | $599 |
| (AGFC7) | R-1 | 184R30 | 18.40 x 30.00 | X1 | TL | $704 |
| (AGFC8) | R-1 | 184R34 | 18.40 x 34.00 | X1 | TL | $727 |
| (AGFC10) | R-1 | 184R38 | 18.40 x 38.00 | X1 | TL | $781 |
| **DT 730 RADIAL** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFD1) | R-1 | 290/95R34 | 11.40 x 34.00 | UK | TL | $790 |
| **DT 800 RADIAL** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFE1) | R-1W | 320/90R42 | 12.60 x 42.00 | UK | TL | $1,015 |
| (AGFE3) | R-1W | 320/90R50 | 12.60 x 50.00 | UK | TL | $1,342 |
| (AGFE2) | R-1W | 380/90R46 | 14.90 x 46.00 | UK | TL | $1,399 |
| **DT 810 RADIAL** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFF1) | R-1W | 380/70R24 | 14.90 x 24.00 | UK | TL | $864 |
| (AGFF2) | R-1W | 420/70R28 | 16.50 x 28.00 | UK | TL | $1,072 |
| (AGFF3) | R-1W | 480/70R30 | 18.90 x 30.00 | UK | TL | $1,303 |
| (AGFF4) | R-1W | 520/70R30 | 20.50 x 30.00 | UK | TL | $1,386 |
| **DT 820 RADIAL** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFG2) | R-1W | 600/65R28 | 23.60 x 28.00 | UK | TL | $1,732 |

*(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 |
|---|---|---|---|---|---|---|
| (AGFG1) | R-1W | 620/75R26 | 24.40 x 26.00 | UK | TL | $2,179 |
| (AGFG5) | R-1W | 620/70R42 | 24.40 x 42.00 | UK | TL | $2,124 |
| (AGFG3) | R-1W | 650/75R34 | 25.60 x 34.00 | UK | TL | $2,070 |
| (AGFG4) | R-1W | 710/70R38 | 27.90 x 38.00 | UK | TL | $2,697 |
| **DYNA TORQUE RADIAL R-1** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFH5) | R-1 | 320/85R34 | 12.60 x 34.00 | UK | TL | $1,039 |
| (AGFH7) | R-1 | 149R30 | 14.90 x 30.00 | X3 | TL | $841 |
| (AGFH9) | R-1 | 149R34 | 14.90 x 34.00 | X3 | TL | $965 |
| (AGFH15) | R-1 | 149R46 | 14.90 x 46.00 | X3 | TL | $1,119 |
| (AGFH6) | R-1 | 385/85R34 | 15.10 x 34.00 | UK | TL | $997 |
| (AGFH16) | R-1 | 420/80R46 | 16.50 x 46.00 | UK | TL | $1,358 |
| (AGFH8) | R-1 | 169R30 | 16.90 x 30.00 | X3 | TL | $965 |
| (AGFH2) | R-1 | 184R26 | 18.40 x 26.00 | X2 | TL | $1,067 |
| (AGFH10) | R-1 | 184R38 | 18.40 x 38.00 | X1 | TL | $884 |
| (AGFH13) | R-1 | 184R42 | 18.40 x 42.00 | X2 | TL | $1,135 |
| (AGFH17) | R-1 | 184R46 | 18.40 x 46.00 | X3 | TL | $1,424 |
| (AGFH12) | R-1 | 208R38 | 20.80 x 38.00 | X2 | TL | $1,213 |
| (AGFH14) | R-1 | 208R42 | 20.80 x 42.00 | X2 | TL | $1,409 |
| (AGFH3) | R-1 | 245R32 | 24.50 x 32.00 | X3 | TL | $1,829 |
| (AGFH4) | R-1 | 305LR32 | 30.50 x 32.00 | X1 | TL | $2,050 |
| **DYNA TORQUE / DYNA TORQUE II R-1** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFJ28) | R-1 | 7-14 | 7.00 x 14.00 | 4 | TL | $108 |
| (AGFJ1) | R-1 | 95-24 | 9.50 x 24.00 | 6 | TT | $221 |
| (AGFJ29) | R-1 | 112-16 | 11.20 x 16.00 | 4 | TL | $213 |
| (AGFJ3) | R-1 | 112-24 | 11.20 x 24.00 | 8 | TT | $311 |
| (AGFJ5) | R-1 | 124-24 | 12.40 x 24.00 | 8 | TT | $348 |
| (AGFJ38) | R-1 | 124-38 | 12.40 x 38.00 | 10 | TL | $632 |
| (AGFJ6) | R-1 | 136-24 | 13.60 x 24.00 | 8 | TT | $399 |
| (AGFJ41) | R-1 | 136-28 | 13.60 x 28.00 | 10 | TL | $449 |
| (AGFJ11) | R-1 | 136-28 | 13.60 x 28.00 | 8 | TT | $372 |
| (AGFJ21) | R-1 | 136-38 | 13.60 x 38.00 | 6 | TL | $401 |
| (AGFJ7) | R-1 | 149-24 | 14.90 x 24.00 | 6 | TL | $412 |
| (AGFJ31) | R-1 | 149-24 | 14.90 x 24.00 | 8 | TL | $431 |
| (AGFJ42) | R-1 | 149-28 | 14.90 x 28.00 | 10 | TL | $565 |
| (AGFJ22) | R-1 | 155-38 | 15.50 x 38.00 | 6 | TT | $424 |
| (AGFJ8) | R-1 | 169-24 | 16.90 x 24.00 | 6 | TT | $452 |
| (AGFJ39) | R-1 | 169-26 | 16.90 x 26.00 | 10 | TL | $921 |
| (AGFJ43) | R-1 | 169-28 | 16.90 x 28.00 | 10 | TL | $766 |
| (AGFJ14) | R-1 | 169-30 | 16.90 x 30.00 | 6 | TT | $451 |
| (AGFJ37) | R-1 | 169-34 | 16.90 x 34.00 | 10 | TL | $705 |
| (AGFJ23) | R-1 | 169-38 | 16.90 x 38.00 | 14 | TT | $1,105 |
| (AGFJ40) | R-1 | 184-26 | 18.40 x 26.00 | 10 | TL | $732 |

*(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 |
|---|---|---|---|---|---|---|
| (AGFJ13) | R-1 | 184-28 | 18.40 x 28.00 | 6 | TT | $571 |
| (AGFJ15) | R-1 | 184-30 | 18.40 x 30.00 | 8 | TL | $594 |
| (AGFJ18) | R-1 | 184-34 | 18.40 x 34.00 | 8 | TT | $677 |
| (AGFJ24) | R-1 | 184-38 | 18.40 x 38.00 | 8 | TT | $722 |
| (AGFJ26) | R-1 | 184-42 | 18.40 x 42.00 | 10 | TT | $1,153 |
| (AGFJ19) | R-1 | 208-34 | 20.80 x 34.00 | 14 | TT | $1,126 |
| (AGFJ25) | R-1 | 208-38 | 20.80 x 38.00 | 8 | TT | $909 |
| (AGFJ27) | R-1 | 208-42 | 20.80 x 42.00 | 10 | TL | $1,826 |
| (AGFJ45) | R-1 | 231-26 | 23.10 x 26.00 | 8 | TL | $837 |
| (AGFJ16) | R-1 | 231-30 | 23.10 x 30.00 | 8 | TT | $967 |
| (AGFJ20) | R-1 | 231-34 | 23.10 x 34.00 | 8 | TT | $1,473 |
| (AGFJ35) | R-1 | 245-32 | 24.50 x 32.00 | 12 | TL | $1,547 |
| (AGFJ34) | R-1 | 28L-26 | 28.00 x 26.00 | 12 | TL | $1,547 |
| (AGFJ36) | R-1 | 305L-32 | 30.50 x 32.00 | 14 | TL | $2,423 |
| **INDUSTRIAL SURE GRIP R-4** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFK1) | R-4 | 149-28 | 14.90 x 28.00 | 8 | TL | $424 |
| (AGFK3) | R-4 | 184-28 | 18.40 x 28.00 | 12 | TL | $1,024 |
| **IT510 R4** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFL4) | R-4 | 169R28 | 16.90 x 28.00 | UK | TL | $732 |
| (AGFL2) | R-4 | 175LR24 | 17.50 x 24.00 | UK | TL | $875 |
| (AGFL3) | R-4 | 195LR24 | 19.50 x 24.00 | UK | TL | $1,003 |
| **IT525 R4** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFM1) | R-4 | 149-24 | 14.90 x 24.00 | 8 | TL | $387 |
| (AGFM4) | R-4 | 169-24 | 16.90 x 24.00 | 10 | TL | $550 |
| (AGFM3) | R-4 | 169-24 | 16.90 x 24.00 | 6 | TL | $449 |
| (AGFM12) | R-4 | 169-28 | 16.90 x 28.00 | 10 | TL | $529 |
| (AGFM6) | R-4 | 175L-24 | 17.50 x 24.00 | 10 | TL | $504 |
| (AGFM5) | R-4 | 184-24 | 18.40 x 24.00 | 12 | TL | $999 |
| (AGFM8) | R-4 | 195L-24 | 19.50 x 24.00 | 12 | TL | $789 |
| (AGFM7) | R-4 | 195L-24 | 19.50 x 24.00 | 8 | TL | $603 |
| (AGFM9) | R-4 | 21L-24 | 21.00 x 24.00 | 10 | TL | $852 |
| (AGFM11) | R-4 | 21L-24 | 21.00 x 24.00 | 16 | TL | $1,299 |
| (AGFM14) | R-4 | 21L-28 | 21.00 x 28.00 | 14 | TL | $1,281 |
| **POWER TORQUE R-1** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFN1) | R-1 | 6-12 | 6.00 x 12.00 | 4 | TL | $62 |
| (AGFN2) | R-1 | 72-16 | 7.20 x 16.00 | 4 | TL | $115 |
| (AGFN4) | R-1 | 83-16 | 8.30 x 16.00 | 6 | TL | $138 |
| (AGFN5) | R-1 | 95-16 | 9.50 x 16.00 | 6 | TL | $187 |
| **SPECIAL SURE GRIP R-2-0** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFO1) | R-2 | 136-38 | 13.60 x 38.00 | 6 | TT | $635 |

*(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 |
|---|---|---|---|---|---|---|
| (AGFO2) | R-2 | 149-24 | 14.90 x 24.00 | 6 | TL | $620 |
| (AGFO11) | R-2 | 184-26 | 18.40 x 26.00 | 10 | TL | $936 |
| (AGFO5) | R-2 | 184-30 | 18.40 x 30.00 | 6 | TT | $729 |
| (AGFO8) | R-2 | 184-38 | 18.40 x 38.00 | 8 | TL | $1,150 |
| (AGFO12) | R-2 | VA500/95D32 | 19.70 x 32.00 | 20 | TL | $2,094 |
| (AGFO10) | R-2 | 208-38 | 20.80 x 38.00 | 10 | TT | $1,208 |
| (AGFO3) | R-2 | 231-26 | 23.10 x 26.00 | 10 | TL | $1,321 |
| (AGFO4) | R-2 | 28L-26 | 28.00 x 26.00 | 12 | TL | $1,625 |
| (AGFO6) | R-2 | 305L-32 | 30.50 x 32.00 | 12 | TL | $2,301 |
| **SPECIAL SURE GRIP RADIAL R-2-0** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFP8) | R-2 | 320/90R46 | 12.60 x 46.00 | X3 | TL | $1,121 |
| (AGFP9) | R-2 | 340/85R46 | 13.40 x 46.00 | UK | TL | $1,178 |
| (AGFP1) | R-2 | 169R28 | 16.90 x 28.00 | X2 | TL | $1,156 |
| (AGFP2) | R-2 | 169R30 | 16.90 x 30.00 | X3 | TL | $1,150 |
| (AGFP3) | R-2 | 184R38 | 18.40 x 38.00 | X1 | TL | $1,278 |
| (AGFP5) | R-2 | 184R42 | 18.40 x 42.00 | X2 | TL | $1,496 |
| (AGFP7) | R-2 | 184R46 | 18.40 x 46.00 | X3 | TL | $1,652 |
| (AGFP4) | R-2 | 208R38 | 20.80 x 38.00 | X2 | TL | $1,648 |
| (AGFP6) | R-2 | 208R42 | 20.80 x 42.00 | X2 | TL | $1,732 |
| **SUPER TRACTION RADIAL R-1** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFQ1) | R-1W | 250/80R18 | 9.80 x 18.00 | UK | TL | $551 |
| (AGFQ3) | R-1W | 260/80R20 | 10.20 x 20.00 | UK | TL | $557 |
| (AGFQ2) | R-1W | 112R20 | 11.20 x 20.00 | UK | TL | $553 |
| (AGFQ6) | R-1W | 136R28 | 13.60 x 28.00 | UK | TL | $725 |
| (AGFQ15) | R-1W | 136R38 | 13.60 x 38.00 | UK | TL | $898 |
| (AGFQ20) | R-1W | 149R24 | 14.90 x 24.00 | UK | TL | $820 |
| (AGFQ7) | R-1W | 149R28 | 14.90 x 28.00 | UK | TL | $898 |
| (AGFQ9) | R-1W | 149R30 | 14.90 x 30.00 | UK | TL | $964 |
| (AGFQ4) | R-1W | 169R24 | 16.90 x 24.00 | UK | TL | $954 |
| (AGFQ5) | R-1W | 169R26 | 16.90 x 26.00 | X2 | TL | $1,027 |
| (AGFQ8) | R-1W | 169R28 | 16.90 x 28.00 | UK | TL | $993 |
| (AGFQ10) | R-1W | 169R30 | 16.90 x 30.00 | UK | TL | $1,105 |
| (AGFQ21) | R-1W | 169R34 | 16.90 x 34.00 | X2 | TL | $1,106 |
| (AGFQ22) | R-1W | 169R38 | 16.90 x 38.00 | X2 | TT | $1,115 |
| (AGFQ11) | R-1W | 184R26 | 18.40 x 26.00 | UK | TL | $1,107 |
| (AGFQ12) | R-1W | 184R30 | 18.40 x 30.00 | UK | TL | $1,170 |
| (AGFQ14) | R-1W | 184R34 | 18.40 x 34.00 | UK | TL | $952 |
| (AGFQ16) | R-1W | 184R38 | 18.40 x 38.00 | UK | TL | $1,012 |
| (AGFQ18) | R-1W | 184R42 | 18.40 x 42.00 | UK | TL | $1,299 |
| (AGFQ17) | R-1W | 208R38 | 20.80 x 38.00 | UK | TL | $1,389 |
| (AGFQ19) | R-1W | 208R42 | 20.80 x 42.00 | UK | TL | $1,613 |
| (AGFQ13) | R-1W | 800/65R32 | 31.50 x 32.00 | UK | TL | $2,542 |

*(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 |
|---|---|---|---|---|---|---|
| **SURE GRIP ALL SERVICE R-1** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFR1) | R-1 | 95-20 | 9.50 x 20.00 | 6 | TL | $248 |
| **TRACTION IRRIGATION 3** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFS1) | R-1 | 112-24 | 11.20 x 24.00 | 4 | TL | $190 |
| (AGFS2) | R-1 | 149-24 | 14.90 x 24.00 | 4 | TL | $321 |
| **TRACTION SURE GRIP R-1** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFT1) | R-1 | 72-30 | 7.20 x 30.00 | 2 | TT | $251 |
| (AGFT3) | R-1 | 95-42 | 9.50 x 42.00 | 6 | TL | $438 |
| (AGFT2) | R-1 | 184-161 | 18.40 x 16.10 | 6 | TL | $541 |
| **TRACTION TORQUE R-1** | | | ***(Life = 5000 hrs )*** | | | |
| (AGFU1) | R-1 | 149-28 | 14.90 x 28.00 | 6 | TT | $311 |
| (AGFU2) | R-1 | 169-30 | 16.90 x 30.00 | 6 | TT | $338 |
| (AGFU3) | R-1 | 184-30 | 18.40 x 30.00 | 6 | TT | $422 |
| (AGFU5) | R-1 | 184-38 | 18.40 x 38.00 | 8 | TT | $570 |
| **FARM, TERRA - 20" UP** | | | | | | |
| **SFT105** | | | ***(Life = 5000 hrs )*** | | | |
| (AHGA2) | HF-1 | 54-3100-26 | 31.00 x 26.00 | 6 | TL | $2,823 |
| **SOF TRAC** | | | ***(Life = 5000 hrs )*** | | | |
| (AHGB2) | HF-1 | 41-1400-20 | 14.00 x 20.00 | 4 | TL | $484 |
| (AHGB1) | HF-1 | 44-1800-20 | 18.00 x 20.00 | 4 | TL | $569 |
| **SUPER TERRA GRIP** | | | ***(Life = 5000 hrs )*** | | | |
| (AHGC1) | HF-2 | 38-1400-20 | 14.00 x 20.00 | 8 | TL | $474 |
| (AHGC4) | HF-2 | 48-2500-20 | 25.00 x 20.00 | 10 | TL | $2,448 |
| (AHGC2) | HF-2 | 42-2500-20 | 25.00 x 20.00 | 8 | TL | $1,961 |
| (AHGC6) | HF-2 | 48-3100-20 | 31.00 x 20.00 | 12 | TL | $2,653 |
| (AHGC7) | HF-2 | 54-3100-26 | 31.00 x 26.00 | 6 | TL | $2,823 |
| (AHGC12) | HF-2 | 67-3400-25 | 34.00 x 25.00 | 10 | TL | $3,604 |
| (AHGC10) | HF-2 | 66-4300-25 | 43.00 x 25.00 | 10 | TL | $3,768 |
| (AHGC11) | HF-2 | 66-4300-25 | 43.00 x 25.00 | 20 | TL | $5,863 |
| **SUPER TERRA GRIP XT** | | | ***(Life = 5000 hrs )*** | | | |
| (AHGD3) | HF-3 | 48-2500-20 | 25.00 x 20.00 | 10 | TL | $2,576 |
| (AHGD1) | HF-3 | 42-2500-20 | 25.00 x 20.00 | 12 | TL | $2,350 |
| (AHGD5) | HF-3 | 48-3100-20 | 31.00 x 20.00 | 12 | TL | $2,793 |
| (AHGD6) | HF-3 | 66-4300-25 | 43.00 x 25.00 | 10 | TL | $4,117 |
| (AHGD7) | HF-3 | VA73-4400-32 | 44.00 x 32.00 | 12 | TL | $6,042 |
| **CUSTOM FLO GRIP** | | | ***(Life = 5000 hrs )*** | | | |
| (AHGE2) | HF-4 | 67-3400-25 | 34.00 x 25.00 | 14 | TL | $4,903 |

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# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST

| EP CODE | INDUSTRY CODE | SIZE DESCRIPTION | SIZE | PLY | TUBE (1) | COST PER EACH |
|---|---|---|---|---|---|---|
| (AHGE1) | HF-4 | 67-3400-30 | 34.00 x 30.00 | 12 | TL | $4,127 |
| **TUNDRA GRIP** | | | ***(Life = 5000 hrs )*** | | | |
| (AHGF2) | HF-1 | 66-4400-25 | 44.00 x 25.00 | 16 | TL | $4,665 |
| (AHGF1) | HF-1 | 66-4400-25 | 44.00 x 25.00 | 6 | TL | $3,155 |
| **SMOOTH TERRA** | | | ***(Life = 5000 hrs )*** | | | |
| (AHGG1) | | 44-4100-20 | 41.00 x 20.00 | 10 | TL | $2,904 |
| **STEELGARD SUPER TERRA GRIP** | | | ***(Life = 5000 hrs )*** | | | |
| (AHGH1) | HF-2 | 66-4300-25 | 43.00 x 25.00 | 12 | TL | $4,733 |
| **STEELGARD CUSTOM FLO GRIP** | | | ***(Life = 5000 hrs )*** | | | |
| (AHGJ2) | HF-4 | 67-3400-25 | 34.00 x 25.00 | 14 | TL | $5,020 |
| **STEELGARD SUPER TERRA GRIP XT** | | | ***(Life = 5000 hrs )*** | | | |
| (AHGK1) | HF-3 | 42-2500-20 | 25.00 x 20.00 | 12 | TL | $2,686 |
| (AHGK2) | HF-3 | 66-4300-25 | 43.00 x 25.00 | 12 | TL | $5,117 |
| (AHGK3) | HF-3 | 73-4400-32 | 44.00 x 32.00 | 16 | TL | $8,176 |
| **FARM, SPECIALTY** | | | | | | |
| **SFT105** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHA1) | HF-1 | 33-1250-15 | 12.50 x 15.00 | 4 | TL | $334 |
| **SOFTRAC** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHB2) | | 18-650-8 | 6.50 x 8.00 | 4 | TL | $43 |
| (AJHB3) | | 18-850-8 | 8.50 x 8.00 | 6 | TL | $55 |
| (AJHB1) | HF-1 | 25-850-14 | 8.50 x 14.00 | 6 | TL | $128 |
| (AJHB5) | HF-1 | 27-850-15 | 8.50 x 15.00 | 4 | TL | $125 |
| (AJHB4) | HF-1 | 25-1050-15 | 10.50 x 15.00 | 4 | TL | $144 |
| (AJHB6) | HF-1 | 27-1050-15 | 10.50 x 15.00 | 4 | TL | $156 |
| (AJHB7) | HF-1 | 29-1250-15 | 12.50 x 15.00 | 4 | TL | $200 |
| (AJHB10) | HF-1 | 31-1250-15 | 12.50 x 15.00 | 4 | TL | $207 |
| (AJHB11) | HF-1 | 33-1250-15 | 12.50 x 15.00 | 4 | TL | $256 |
| (AJHB8) | HF-1 | 31-1350-15 | 13.50 x 15.00 | 4 | TL | $249 |
| (AJHB12) | HF-1 | 36-1350-15 | 13.50 x 15.00 | 4 | TL | $330 |
| (AJHB9) | HF-1 | 31-1550-15 | 15.50 x 15.00 | 4 | TL | $270 |
| **SUPER TERRA GRIP** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHC1) | | 27-850-15 | 8.50 x 15.00 | 4 | TL | $108 |
| (AJHC3) | HF-2 | 29-1250-15 | 12.50 x 15.00 | 6 | TL | $231 |
| (AJHC6) | HF-2 | 31-1550-15 | 15.50 x 15.00 | 8 | TL | $312 |
| (AJHC7) | HF-2 | 38-2000-16.1 | 20.00 x 16.00 | 8 | TL | $860 |
| **SURE GRIP LUG** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHD9) | HF-2 | 27-850-15 | 8.50 x 15.00 | 6 | TL | $147 |

*(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 |
|---|---|---|---|---|---|---|
| (AJHD1) | | 10-165 | 10.00 x 16.50 | 6 | TL | $130 |
| (AJHD10) | HF-2 | 27-1050-15 | 10.50 x 15.00 | 6 | TL | $175 |
| (AJHD4) | | 12-165 | 12.00 x 16.50 | 10 | TL | $199 |
| (AJHD2) | HF-2 | 12-165 | 12.00 x 16.50 | 6 | TL | $179 |
| (AJHD3) | | 12-165 | 12.00 x 16.50 | 8 | TL | $171 |
| (AJHD5) | | 14-175 | 14.00 x 17.50 | 10 | TL | $568 |
| (AJHD7) | | 15-195 | 15.00 x 19.50 | 12 | TL | $632 |
| (AJHD6) | | 15-195 | 15.00 x 19.50 | 8 | TL | $535 |
| **ULTRA GRIP LUG** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHE1) | | 10-165 | 10.00 x 16.50 | 8 | TL | $163 |
| (AJHE3) | | 12-165 | 12.00 x 16.50 | 10 | TL | $229 |
| (AJHE4) | | 31-1550-15 | 15.50 x 15.00 | 8 | TL | $409 |
| **XTRA TRAC** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHF3) | HF-1 | 29-1250-15NHS | 12.50 x 15.00 | 4 | TL | $183 |
| (AJHF2) | HF-1 | 31-1550-15NHS | 15.50 x 15.00 | 8 | TL | $381 |
| **DOUBLE EAGLE** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHG1) | | 205-50-10 | 5.00 x 10.00 | 4 | TL | $71 |
| **POWER RIB** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHJ1) | | 18-850-8 | 8.50 x 8.00 | 4 | TL | $39 |
| (AJHJ2) | | 20-1000-10 | 10.00 x 10.00 | 4 | TL | $90 |
| **RALLY** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHK1) | | 480-8 | 4.80 x 8.00 | 4 | TL | $88 |
| (AJHK2) | | 18-950-8 | 9.50 x 8.00 | 4 | TL | $138 |
| **RIB TERRA** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHL1) | | 18-950-8 | 9.50 x 8.00 | 10 | TT | $93 |
| **TERRA RIB** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHM2) | HF-1 | 25-750-15 | 7.50 x 15.00 | 6 | TL | $118 |
| (AJHM4) | HF-1 | 27-950-15 | 9.50 x 15.00 | 10 | TL | $193 |
| (AJHM6) | HF-1 | 31-1350-15 | 13.50 x 15.00 | 8 | TL | $250 |
| **ATT** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHN1) | | AT21-7-10 | 7.00 x 10.00 | 01 | TL | $48 |
| (AJHN3) | | AT23-8-11 | 8.00 x 11.00 | X2 | TL | $60 |
| (AJHN2) | | AT22-9-8 | 9.00 x 8.00 | 01 | TL | $60 |
| (AJHN5) | | AT24-9-11 | 9.00 x 11.00 | X1 | TL | $65 |
| (AJHN4) | | AT25-11-9 | 11.00 x 9.00 | X1 | TL | $64 |
| **COMPASS TERRA** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHO1) | | 21-1100-8 | 11.00 x 8.00 | X2 | TL | $69 |

*(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 III** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHP1) | | 22-1100-8 | 11.00 x 8.00 | X2 | TL | $68 |
| (AJHP2) | | 25-1200-9 | 12.00 x 9.00 | X2 | TL | $100 |
| **RAWHIDE TERRA** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHQ1) | | 21-1100-8 | 11.00 x 8.00 | X2 | TL | $69 |
| **RUNAMUCK** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHR1) | | 22-1000-8 | 10.00 x 8.00 | X2 | TL | $81 |
| **TRACKER ATT** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHT1) | | AT24-8-11 | 8.00 x 11.00 | X2 | TL | $65 |
| (AJHT2) | | AT24-10-11 | 10.00 x 11.00 | X2 | TL | $71 |
| **TRACKER P** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHW2) | | AT25-8-12 | 8.00 x 12.00 | X3 | TL | $85 |
| (AJHW1) | | AT25-11-10 | 11.00 x 10.00 | X3 | TL | $92 |
| **TRACKER PT** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHX1) | | AT23-7-10 | 7.00 x 10.00 | X2 | TL | $74 |
| **WRANGLER SPORT & WRANGLER SPORT RADIAL** | | | ***(Life = 5000 hrs )*** | | | |
| (AJHZ1) | | 22-800-10NHS | 8.00 x 10.00 | 01 | TL | $73 |
| (AJHZ2) | | 22-1100-10NHS | 11.00 x 10.00 | 01 | TL | $76 |
| (AJHZ3) | | 24-1100-10NHS | 11.00 x 10.00 | 01 | TL | $90 |
| **INDUSTRIAL, MINE SERVICE** | | | | | | |
| **ROCK MINE SERVICE** | | | ***(Life = 5000 hrs )*** | | | |
| (AKJA1) | | 38x16-15 | 16.00 x 15.00 | 28 | TL | $1,349 |
| **TRACTION MINE SERVICE** | | | ***(Life = 5000 hrs )*** | | | |
| (AKJB3) | | 8.25-15 | 8.25 x 15.00 | 16 | TT | $346 |
| (AKJB2) | | 36-11x15(10.00L-15) | 10.00 x 15.00 | 16 | TT | $428 |
| (AKJB5) | | 32-15x15(32x14.50-15) | 14.50 x 15.00 | 20 | TT | $479 |
| (AKJB6) | | 35-15x15(14.50L-15) | 14.50 x 15.00 | 28 | TL | $716 |
| **HARD ROCK LUG MINE & INDUSTRIAL** | | | ***(Life = 5000 hrs )*** | | | |
| (AKJC1) | | 10.00-20 | 10.00 x 20.00 | 14 | TT | $449 |
| **XTRA TRACTION LUG** | | | ***(Life = 5000 hrs )*** | | | |
| (AKJD2) | | 8.25-15 | 8.25 x 15.00 | 16 | TT | $436 |
| (AKJD3) | | 36-11x15(10.00L15) | 10.00 x 15.00 | 16 | TT | $531 |
| (AKJD7) | | 24x12x12 | 12.00 x 12.00 | 24 | TL | $497 |
| (AKJD4) | | 32-15x15(32x14.50-15) | 14.50 x 15.00 | 24 | TL | $793 |
| (AKJD6) | | 35-15x15(14.50L-15) | 14.50 x 15.00 | 32 | TL | $1,124 |
| (AKJD8) | | 44x18-20 | 18.00 x 20.00 | 32 | TL | $1,685 |

*(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 | $504 |
| **INDUSTRIAL, PERMAFOAM INFLATION** | | | | | | |
| **PERMAFOAM INFLATION** | | | ***(Life = 5000 hrs )*** | | | |
| (ALKA6) | | 825-15 | 8.25 x 15.00 | UK | TL | $473 |
| (ALKA1) | | 1000-20 | 10.00 x 20.00 | UK | TL | $759 |
| (ALKA8) | | 1100-15 | 11.00 x 15.00 | UK | TL | $657 |
| (ALKA15) | | 24-1200-12 | 12.00 x 12.00 | UK | TL | $319 |
| (ALKA10) | | 32-12-15 | 12.00 x 15.00 | UK | TL | $621 |
| (ALKA2) | | 1200-20 | 12.00 x 20.00 | UK | TL | $1,080 |
| (ALKA4) | | 1200-24 | 12.00 x 24.00 | UK | TL | $1,202 |
| (ALKA9) | | 28-13-15 | 13.00 x 15.00 | UK | TL | $556 |
| (ALKA3) | | 1400-20 | 14.00 x 20.00 | UK | TL | $1,526 |
| (ALKA11) | | 32-15-15(32-1450-15) | 14.50 x 15.00 | UK | TL | $639 |
| (ALKA12) | | 35-15-15(1450-15) | 14.50 x 15.00 | UK | TL | $716 |
| (ALKA13) | | 38-16-15 | 16.00 x 15.00 | UK | TL | $997 |
| (ALKA14) | | 44-18-20 | 18.00 x 20.00 | UK | TL | $1,242 |
| **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 | $798 |
| (AMLA1) | G-2 | 14.00R24 | 14.00 x 24.00 | X1 | TL | $901 |
| (AMLA5) | L/G-2 | 15.5R25 | 15.50 x 25.00 | X1 | TL | $831 |
| (AMLA4) | G-2 | 16.00R24 | 16.00 x 24.00 | X1 | TL | $1,107 |
| **E-2 HAULAGE SERVICE - RL2F/GP2B RL2+** | | | ***(Life = 2800 hrs )*** | | | |
| (AMLB7) | E-2 | 14.00R24 | 14.00 x 24.00 | X3 | TL | $1,153 |
| (AMLB1) | E/L/G-3 | 17.5R25 | 17.50 x 25.00 | X1 | TL | $1,156 |
| (AMLB8) | E-2 | 18.00R25 | 18.00 x 25.00 | X2 | TL | $1,753 |
| (AMLB2) | E/L/G-3 | 20.5R25 | 20.50 x 25.00 | X1 | TL | $1,656 |
| (AMLB5) | E/L/G-3+T | 20.5R25 | 20.50 x 25.00 | X1 | TL | $2,162 |
| (AMLB9) | E/L/G-3 | 20.5R25 | 20.50 x 25.00 | X2 | TL | $1,751 |
| (AMLB15) | E-2 | 21.00R35 | 21.00 x 35.00 | X2 | TL | $3,434 |
| (AMLB3) | E/L/G-3 | 23.5R25 | 23.50 x 25.00 | X1 | TL | $2,230 |
| (AMLB10) | E/L/G-3 | 23.5R25 | 23.50 x 25.00 | X2 | TL | $2,274 |
| (AMLB21) | E/L-3 | 26.5R25 | 26.50 x 25.00 | X2 | TL | $3,099 |
| (AMLB20) | E-3 | 27.00R49 | 27.00 x 49.00 | X2 | TL | $6,871 |
| (AMLB22) | E/L-3 | 29.5R25 | 29.50 x 25.00 | X2 | TL | $3,881 |
| (AMLB17) | E-2 | 33.25R35 | 33.25 x 35.00 | X2 | TL | $5,507 |
| (AMLB18) | E-2 | 37.25R35 | 37.25 x 35.00 | X2 | TL | $7,181 |
| (AMLB19) | E-2 | 37.5R39 | 37.50 x 39.00 | X2 | TL | $7,768 |

*(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 | $8,742 |
| **E-3 HAULAGE SERVICE - ROCK DESIGN RL3, RL3J, R** | | | ***(Life = 2800 hrs )*** | | | |
| (AMLC1) | E-3+ | 16.00R25 | 16.00 x 25.00 | X2 | TL | $2,323 |
| (AMLC2) | E-3+ | 18.00R25 | 18.00 x 25.00 | X2 | TL | $2,294 |
| (AMLC3) | E-3+ | 18.00R33 | 18.00 x 33.00 | X2 | TL | $2,941 |
| (AMLC4) | E-3+ | 21.00R35 | 21.00 x 35.00 | X2 | TL | $3,691 |
| (AMLC5) | E-3+ | 24.00R35 | 24.00 x 35.00 | X2 | TL | $4,707 |
| (AMLC6) | E-3 | 29.5R29 | 29.50 x 29.00 | X2 | TL | $4,403 |
| (AMLC7) | E-3 | 33.25R35 | 33.25 x 25.00 | X2 | TL | $5,874 |
| (AMLC8) | E-3 | 37.25R35 | 37.35 x 35.00 | X2 | TL | $7,507 |
| (AMLC9) | E-3 | 37.5R39 | 37.50 x 39.00 | X2 | TL | $7,816 |
| **E-4 RL4J/RL4 & RL4H/RL4 E4** | | | ***(Life = 5000 hrs )*** | | | |
| (AMLD1) | E-4 | 12.00R24 | 12.00 x 24.00 | X3 | TT | $1,057 |
| (AMLD2) | E-4 | 14.00R24 | 14.00 x 24.00 | X3 | TL | $1,265 |
| (AMLD3) | E-4 | 14.00R25 | 14.00 x 25.00 | X3 | TL | $1,370 |
| (AMLD4) | E-4 | 18.00R25 | 18.00 x 25.00 | X2 | TL | $2,354 |
| (AMLD5) | E-4 | 18.00R33 | 18.00 x 33.00 | X2 | TL | $3,097 |
| (AMLD14) | E-4 | 21.00R35 | 21.00 x 35.00 | X2 | TL | $4,165 |
| (AMLD15) | E-4 | 24.00R35 | 24.00 x 25.00 | X2 | TL | $5,341 |
| (AMLD6) | E-4 | 24.00R49 | 24.00 x 49.00 | X2 | TL | $6,599 |
| (AMLD7) | E-4 | 27.00R49 | 27.00 x 49.00 | X2 | TL | $7,917 |
| (AMLD8) | E-4 | 30.00R51 | 30.00 x 51.00 | X2 | TL | $10,348 |
| (AMLD9) | E-4 | 33.00R51 | 33.00 x 51.00 | X2 | TL | $13,054 |
| (AMLD10) | E-4 | 36.00R51 | 36.00 x 51.00 | X2 | TL | $14,516 |
| (AMLD11) | E-4 | 37.00R57 | 37.00 x 57.00 | X2 | TL | $19,533 |
| (AMLD12) | E-4 | 40.00R57 | 40.00 x 57.00 | X2 | TL | $22,174 |
| **MOBILE CRANE** | | | ***(Life = 5000 hrs )*** | | | |
| (AMLF1) | E/L/G-3 | 445/80R25 (17.5R25) | 17.50 x 25.00 | UK | TL | $1,344 |
| (AMLF2) | E/L-3 | 445/95R25 (16.00R25) | 17.50 x 25.00 | UK | TL | $1,906 |
| (AMLF3) | E/L-3 | 525/80R25(2O.5R25) | 20.60 x 25.00 | UK | TL | $1,984 |
| **L-5 DOZER & LOADER SERVICE RL5K** | | | ***(Life = 8000 hrs )*** | | | |
| (AMLG1) | L-5 | 20.5R25 | 20.50 x 25.00 | X1 | TL | $2,925 |
| (AMLG2) | L-5 | 23.5R25 | 23.50 x 25.00 | X1 | TL | $3,641 |
| **SPECIAL SERVICE - AT2A** | | | ***(Life = 5000 hrs )*** | | | |
| (AMLH1) | E/L/G-3 | 14.00R20 | 14.00 x 20.00 | 18 | TL | $682 |
| (AMLH3) | E/L/G-3 | 16.00R20 | 16.00 x 20.00 | 22 | TL | $1,073 |
| (AMLH4) | E/L/G-3 | 16.00R21 | 16.00 x 21.00 | 22 | TL | $1,125 |
| (AMLH2) | E/L/G-3 | 17.5R25 | 17.50 x 25.00 | X1 | TL | $1,074 |
| (AMLH5) | E/L/G-3 | 555/65R25 | 21.80 x 25.00 | UK | TL | $1,939 |
| (AMLH6) | E/L/G-3 | 22/65R25 | 22.00 x 25.00 | X1 | TL | $1,601 |

*(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 | $326 |
| (ANMA2) | | 12.5-20 | 12.50 x 20.00 | 10 | TL | $417 |
| **E-1 HRR 1A** | | | ***(Life = 2500 hrs )*** | | | |
| (ANMB1) | E-1 | 14.00-25 | 14.00 x 25.00 | 20 | TL | $863 |
| (ANMB2) | E-1 | 16.00-25 | 16.00 x 25.00 | 32 | TL | $1,721 |
| **E-2 TRACTION EARTHMOVER SURE GRIP** | | | ***(Life = 2800 hrs )*** | | | |
| (ANMC2) | E-2 | 18.00-25 | 18.00 x 25.00 | 12 | TL | $1,711 |
| (ANMC3) | E-2 | 18.00-25 | 18.00 x 25.00 | 16 | TL | $1,795 |
| **E-2 TRACTION SURE GRIP LUG** | | | ***(Life = 2800 hrs )*** | | | |
| (ANMD1) | E-2 | 29.5-25 | 29.50 x 25.00 | 22 | TL | $3,121 |
| (ANMD2) | E-2 | 29.5-29 | 29.50 x 29.00 | 34 | TL | $3,499 |
| (ANMD3) | E-2 | 29.5-35 | 29.50 x 35.00 | 28 | TL | $3,609 |
| **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 | $577 |
| (ANME2) | E-3 | 12.00-24 | 12.00 x 24.00 | 16 | TT | $664 |
| (ANME3) | E-3 | 14.00-24 | 14.00 x 24.00 | 20 | TT | $962 |
| (ANME4) | E-3 | 14.00-25 | 14.00 x 25.00 | 20 | TL | $953 |
| (ANME5) | E-3 | 16.00-25 | 16.00 x 25.00 | 20 | TL | $1,407 |
| (ANME6) | E-3 | 16.00-25 | 16.00 x 25.00 | 24 | TL | $1,479 |
| **E-3 ROCK SERVICE SUPER HARD ROCK LUG** | | | ***(Life = 2800 hrs )*** | | | |
| (ANMF1) | E-3 | 26.5-25 | 26.50 x 25.00 | 20 | TL | $2,212 |
| (ANMF2) | E-3 | 26.5-25 | 26.50 x 25.00 | 26 | TL | $2,434 |
| (ANMF3) | E-3 | 29.5-25 | 29.50 x 25.00 | 22 | TL | $3,073 |
| (ANMF4) | E-3 | 29.5-25 | 29.50 x 25.00 | 28 | TL | $3,210 |
| (ANMF5) | E-3 | 29.5-29 | 29.50 x 29.00 | 28 | TL | $3,433 |
| (ANMF6) | E-3 | 29.5-29 | 29.50 x 29.00 | 34 | TL | $3,682 |
| **E-3 ROCK SERVICE SHRL8** | | | ***(Life = 2800 hrs )*** | | | |
| (ANMG4) | E-3 | 29.5-35 | 29.50 x 35.00 | 34 | TL | $3,963 |
| (ANMG1) | E-3 | 33.25-29 | 33.25 x 29.00 | 26 | TL | $3,984 |
| (ANMG6) | E-3 | 33.25-35 | 33.25 x 35.00 | 38 | TL | $5,070 |
| (ANMG2) | E-3 | 33.5-33 | 33.50 x 33.00 | 32 | TL | $4,585 |
| (ANMG7) | E-3 | 37.25-35 | 37.25 x 35.00 | 30 | TL | $5,540 |
| (ANMG8) | E-3 | 37.25-35 | 37.25 x 35.00 | 36 | TL | $5,969 |
| (ANMG9) | E-3 | 37.5-39 | 37.50 x 39.00 | 44 | TL | $6,634 |

*(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 |
|---|---|---|---|---|---|---|
| **E-3 ROCK SERVICE ELV3A, ELV4B, ELV4/5A** | | | ***(Life = 2800 hrs )*** | | | |
| (ANMH6) | IND 4 | 16.00-25 | 16.00 x 25.00 | 32 | TL | $2,137 |
| (ANMH2) | IND 3 | 18.00-25 | 18.00 x 25.00 | 32 | TL | $2,260 |
| (ANMH4) | IND 4 | 18.00-25 | 18.00 x 25.00 | 40 | TL | $3,134 |
| (ANMH9) | IND 3 | 21.00-25 | 21.00 x 25.00 | 32 | TL | $3,109 |
| (ANMH1) | IND 3 | 23.5-25 | 23.50 x 25.00 | 36 | TL | $2,394 |
| **E-3 ROCK SERVICE HRL 3F** | | | ***(Life = 2800 hrs )*** | | | |
| (ANMJ2) | E-3 | 33.25-35 | 33.25 x 35.00 | 32 | TL | $4,805 |
| (ANMJ3) | E-3 | 33.25-35 | 33.25 x 35.00 | 38 | TL | $5,174 |
| (ANMJ5) | E-3 | 37.25-35 | 37.25 x 35.00 | 36 | TL | $6,147 |
| (ANMJ1) | E-3 | 37.5-33 | 37.50 x 33.00 | 42 | TL | $6,657 |
| (ANMJ6) | E-3 | 37.5-39 | 37.50 x 39.00 | 44 | TL | $6,805 |
| (ANMJ7) | E-3 | 37.5-39 | 37.50 x 39.00 | 52 | TL | $7,177 |
| **E-3 ROCK SERVICE UMS 3A** | | | ***(Life = 2800 hrs )*** | | | |
| (ANMK2) | E-3 | 12.00-20 | 12.00 x 20.00 | 20 | TT | $696 |
| (ANMK4) | E-3 | 12.00-24 | 12.00 x 24.00 | 16 | TT | $664 |
| (ANMK3) | E-3 | 14.00-20 | 14.00 x 20.00 | 24 | TT | $929 |
| **E-3 ROCK SERVICE WRL 3A** | | | ***(Life = 2800 hrs )*** | | | |
| (ANML1) | E-3 | 14.00-20 | 14.00 x 20.00 | 24 | TT | $929 |
| (ANML2) | E-3 | 14.00-24 | 14.00 x 24.00 | 24 | TT | $1,003 |
| **E-4 ROCK SERVICE AMS4/5 A** | | | ***(Life = 5000 hrs )*** | | | |
| (ANMM1) | E-4 | 12.00-24 | 12.00 x 24.00 | 16 | TT | $846 |
| **E-4 ROCK SERVICE HRL 4B** | | | ***(Life = 5000 hrs )*** | | | |
| (ANMN1) | E-4 | 16.00-25 | 16.00 x 25.00 | 28 | TL | $1,677 |
| (ANMN2) | E-4 | 18.00-25 | 18.00 x 25.00 | 32 | TL | $2,306 |
| (ANMN3) | E-4 | 18.00-33 | 18.00 x 33.00 | 32 | TL | $2,859 |
| (ANMN4) | E-4 | 21.00-35 | 21.00 x 35.00 | 36 | TL | $3,750 |
| (ANMN5) | E-4 | 24.00-35 | 24.00 x 35.00 | 36 | TL | $4,785 |
| (ANMN6) | E-4 | 27.00-49 | 27.00 x 49.00 | 42 | TL | $6,959 |
| (ANMN7) | E-4 | 27.00-49 | 27.00 x 49.00 | 48 | TL | $7,518 |
| (ANMN8) | E-4 | 30.00-51 | 30.00 x 51.00 | 46 | TL | $12,401 |
| (ANMN9) | E-4 | 36.00-51 | 36.00 x 51.00 | 58 | TL | $21,237 |
| **E-4 ROCK SERVICE MRL 4B** | | | ***(Life = 5000 hrs )*** | | | |
| (ANMO1) | E-4 | 24.00-49 | 24.00 x 49.00 | 48 | TL | $6,862 |
| (ANMO2) | E-4 | 36.00-51 | 36.00 x 51.00 | 58 | TL | $21,237 |
| **E-6 TOW SERVICE - RIB TOW SERVICE** | | | ***(Life = 3000 hrs )*** | | | |
| (ANMP1) | | 61/1800-25 | 18.00 x 25.00 | 44 | TL | $2,647 |

*(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 | $1,200 |
| (ANMQ2) | E-7 | 18.00-25 | 18.00 x 25.00 | 16 | TL | $1,321 |
| (ANMQ6) | E-7 | 21.00-25 | 21.00 x 25.00 | 16 | TL | $1,900 |
| (ANMQ4) | E-7 | 24-20.5 | 24.00 x 20.50 | 16 | TL | $1,555 |
| (ANMQ10) | E-7 | 24-21 | 24.00 x 21.00 | 16 | TT | $1,390 |
| (ANMQ7) | E-7 | 29.5-25 | 29.50 x 25.00 | 28 | TL | $3,644 |
| (ANMQ8) | E-7 | 36.00-51 | 36.00 x 51.00 | 42 | TL | $10,248 |
| **E-7 FLOTATION TYPE PAVER TIRE** | | | ***(Life = 3000 hrs )*** | | | |
| (ANMR1) | E-7 | 1600-24 | 16.00 x 24.00 | 12 | TL | $1,018 |
| **G-1 RBG 1A** | | | ***(Life = 3200 hrs )*** | | | |
| (ANMS1) | G-1 | 1400-24 | 14.00 x 24.00 | 12 | TL | $657 |
| **G-2 SGG2A** | | | ***(Life = 3200 hrs )*** | | | |
| (ANMT2) | G-2 | 12.00-24 | 12.00 x 24.00 | 8 | TL | $349 |
| (ANMT1) | G-2 | 13.00-20 | 13.00 x 20.00 | 10 | TT | $346 |
| (ANMT3) | G-2 | 13.00-24 | 13.00 x 24.00 | 10 | TL | $359 |
| (ANMT4) | G-2 | 13.00-24 | 13.00 x 24.00 | 12 | TL | $392 |
| (ANMT10) | G-2 | 13.00-24 SG | 13.00 x 24.00 | 12 | TL | $548 |
| (ANMT5) | G-2 | 14.00-24 | 14.00 x 24.00 | 10 | TL | $399 |
| (ANMT6) | G-2 | 14.00-24 | 14.00 x 24.00 | 12 | TL | $413 |
| (ANMT8) | G-2 | 16.00-24 | 16.00 x 24.00 | 12 | TL | $973 |
| **G-2 GRADER SMOOTH** | | | ***(Life = 3200 hrs )*** | | | |
| (ANMU1) | G-1 | 13.00-24 | 13.00 x 24.00 | 10 | TL | $370 |
| **G-2 SGLDL 2A L2** | | | ***(Life = 3200 hrs )*** | | | |
| (ANMV2) | L-2/G-2 | 15.5-25 | 15.50 x 25.00 | 12 | TL | $527 |
| (ANMV1) | L-2/G-2 | 15.5-25 | 15.50 x 25.00 | 8 | TL | $492 |
| (ANMV3) | L-2/G-2 | 17.5-25 | 17.50 x 25.00 | 12 | TL | $577 |
| (ANMV4) | L-2/G-2 | 17.5-25 | 17.50 x 25.00 | 16 | TL | $718 |
| (ANMV5) | L-2/G-2 | 17.5-25 | 17.50 x 25.00 | 20 | TL | $807 |
| **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 | $1,067 |
| (ANMW2) | E-2/L-2 | 20.5-25 | 20.50 x 25.00 | 16 | TL | $1,121 |
| (ANMW4) | E-2/L-2 | 23.5-25 | 23.50 x 25.00 | 12 | TL | $1,478 |
| (ANMW5) | E-2/L-2 | 23.5-25 | 23.50 x 25.00 | 16 | TL | $1,552 |
| **G-3 RKG 3A** | | | ***(Life = 3200 hrs )*** | | | |
| (ANMX1) | G-3 | 14.00-24 | 14.00 x 24.00 | 16 | TL | $704 |
| (ANMX2) | G-3 | 16.00-24 | 16.00 x 24.00 | 16 | TL | $1,258 |

*(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 | $629 |
| **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 | $1,822 |
| (ANNA2) | L-2 | 26.5-25 | 26.50 x 25.00 | 20 | TL | $2,002 |
| **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 | $1,228 |
| (ANNB2) | E/L-3 | 20.5-25 | 20.50 x 25.00 | 16 | TL | $1,277 |
| (ANNB4) | E/L-3 | 23.5-25 | 23.50 x 25.00 | 12 | TL | $1,646 |
| (ANNB5) | E/L-3 | 23.5-25 | 23.50 x 25.00 | 16 | TL | $1,734 |
| (ANNB6) | E/L-3 | 23.5-25 | 23.50 x 25.00 | 20 | TL | $1,888 |
| **L-3 DOZER/LOADER SERVICE ROCK SHRL DL** | | | ***(Life = 3200 hrs )*** | | | |
| (ANNC1) | L-3 | 26.5-25 | 26.50 x 25.00 | 20 | TL | $2,399 |
| (ANNC2) | L-3 | 29.5-25 | 29.50 x 25.00 | 22 | TL | $3,114 |
| (ANNC3) | L-3 | 29.5-25 | 29.50 x 25.00 | 28 | TL | $3,353 |
| **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 | $552 |
| (ANND2) | L/G-3 | 17.5-25 | 17.50 x 25.00 | 12 | TL | $657 |
| (ANND4) | L/G-3 | 17.5-25 | 17.50 x 25.00 | 20 | TL | $957 |
| (ANND6) | L-3 | 33.25-35 | 33.25 x 35.00 | 50 | TL | $6,169 |
| **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 | $2,468 |
| (ANNE2) | L-4 | 26.5-25 | 26.50 x 25.00 | 20 | TL | $3,000 |
| (ANNE3) | L-4 | 29.5-25 | 29.50 x 25.00 | 22 | TL | $3,692 |
| (ANNE4) | L-4 | 29.5-25 | 29.50 x 25.00 | 28 | TL | $3,974 |
| (ANNE5) | L-4 | 29.5-29 | 29.50 x 29.00 | 28 | TL | $4,165 |
| **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 | $42,107 |
| **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 | $5,448 |
| (ANNG2) | L-4 | 35/65-33 | 35.00 x 33.00 | 30 | TL | $6,479 |
| **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 | $1,779 |
| (ANNH2) | L-5 | 23.5-25 | 23.50 x 25.00 | 20 | TL | $2,474 |
| **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 | $3,333 |
| (ANNJ2) | L-5 | 29.5-25 | 29.50 x 25.00 | 22 | TL | $4,539 |

*(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 | $5,123 |
| (ANNJ5) | L-5 | 37.25-35 | 37.25 x 35.00 | 42 | TL | $8,789 |
| **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 | $3,030 |
| (ANNK2) | L-5 | 29.5-25 | 29.50 x 25.00 | 22 | TL | $4,127 |
| (ANNK4) | L-5 | 29.5-29 | 29.50 x 29.00 | 28 | TL | $4,841 |
| (ANNK5) | L-5 | 37.5-39 | 37.50 x 39.00 | 44 | TL | $10,035 |
| **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 | $6,735 |
| (ANNL3) | L-5 | 40/65-39 | 40.00 x 39.00 | 30 | TL | $8,565 |
| (ANNL4) | L-5 | 41.25/70-39 | 41.25 x 39.00 | 34 | TL | $9,811 |
| (ANNL6) | L-5 | 45/65-45 | 45.00 x 45.00 | 38 | TL | $11,924 |
| (ANNL7) | L-5 | 45/65-45 | 45.00 x 45.00 | 46 | TL | $12,466 |
| (ANNL8) | L-5 | 50/65-51 | 50.00 x 51.00 | 62 | TL | $29,697 |
| **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 | $6,489 |
| (ANNM2) | L-5 | 45/65-45 | 45.00 x 45.00 | 46 | TL | $13,075 |
| **L-5 DOZER/LOADER SERVICE SMOOTH SMO SL5B** | | | ***(Life = 8000 hrs )*** | | | |
| (ANNN1) | L-5S | 17.5-25 | 17.50 x 25.00 | 20 | TL | $2,162 |
| (ANNN3) | L-5 | 18.00-25 | 18.00 x 25.00 | 28 | TL | $3,098 |
| **L-5 DOZER/LOADER SERVICE SMOOTH SUPER XTRA** | | | ***(Life = 8000 hrs )*** | | | |
| (ANNO1) | L-5S | 21.00-25 | 21.00 x 25.00 | 32 | TL | $5,072 |
| (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 | $4,371 |
| (ANNO4) | L-5S | 29.5-25 | 29.50 x 25.00 | 28 | TL | $5,745 |
| **L-5 DOZER/LOADER SERVICE SMOOTH NSM DL5B** | | | ***(Life = 8000 hrs )*** | | | |
| (ANNP1) | L-5S | 35/65-33 | 35.00 x 33.00 | 24 | TL | $6,922 |
| (ANNP2) | L-5S | 45/65-45 | 45.00 x 45.00 | 46 | TL | $13,452 |
| **L-5 DOZER/LOADER SERVICE SMOOTH NYLOSTEEL** | | | ***(Life = 8000 hrs )*** | | | |
| (ANNQ1) | L-5 | 45/65-45 | 45.00 x 45.00 | 38 | TL | $11,924 |
| (ANNQ2) | L-5 | 45/65-45 | 45.00 x 45.00 | 46 | TL | $12,466 |
| **INDUSTRIAL, PRESSED-ON** | | | | | | |
| **PRESSED-ON, HIGH PERFORMANCE, NON-MARKING** | | | ***(Life = 5000 hrs )*** | | | |
| (EPPO5) | | 10-3-61/4 | 3.00 x 10.00 | | NO | $72 |
| (EPPO4) | | 10-31/2-6 | 3.50 x 10.00 | | NO | $76 |
| (EPPO18) | | 12-31/2-8 | 3.50 x 12.00 | | NO | $81 |
| (EPPO23) | | 13-31/2-8 | 3.50 x 13.00 | | 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 |
|---|---|---|---|---|---|---|
| (EPPO25) | | 13-31/2-81/4 | 3.50 x 13.00 | | NO | $128 |
| (EPPO32) | | 15-31/2-111/4 | 3.50 x 15.00 | | NO | $146 |
| (EPPO1) | | 81/2-4-4 | 4.00 x 8.50 | | NO | $112 |
| (EPPO6) | | 10-4-61/4 | 4.00 x 10.00 | | NO | $74 |
| (EPPO10) | | 10-4-61/2 | 4.00 x 10.00 | | NO | $97 |
| (EPPO3) | | 10-4- 5 | 4.00 x 10.00 | | NO | $129 |
| (EPPO19) | | 12-4-8 | 4.00 x 12.00 | | NO | $86 |
| (EPPO45) | | 16-4-121/8 | 4.00 x 16.00 | | NO | $99 |
| (EPPO47) | | 161/4-4-111/4 | 4.00 x 16.25 | | NO | $94 |
| (EPPO51) | | 161/4-4-111/2 | 4.00 x 16.25 | | NO | $162 |
| (EPPO20) | | 12-41/2-8 | 4.50 x 12.00 | | NO | $84 |
| (EPPO24) | | 13-41/2-8 | 4.50 x 13.00 | | NO | $92 |
| (EPPO102) | | 13-41/2-8 | 4.50 x 13.00 | | NO | $113 |
| (EPPO27) | | 131/2-41/2-8 | 4.50 x 13.50 | | NO | $91 |
| (EPPO30) | | 14-41/2-8 | 4.50 x 14.00 | | NO | $103 |
| (EPPO40) | | 16-41/2-101/2 | 4.50 x 16.00 | | NO | $125 |
| (EPPO44) | | 16-41/2-12 | 4.50 x 16.00 | | NO | $127 |
| (EPPO46) | | 16-41/2-121/8 | 4.50 x 16.00 | | NO | $141 |
| (EPPO52) | | 17-41/2-121/8 | 4.50 x 17.00 | | NO | $131 |
| (EPPO11) | | 10-43/4-61/2 | 4.75 x 10.00 | | NO | $75 |
| (EPPO2) | | 9-5- 5 | 5.00 x 9.00 | | NO | $74 |
| (EPPO12) | | 10-5-61/2 | 5.00 x 10.00 | | NO | $64 |
| (EPPO101) | | 10-5-61/2 | 5.00 x 10.00 | | NO | $69 |
| (EPPO7) | | 10-5-61/4 | 5.00 x 10.00 | | NO | $77 |
| (EPPO13) | | 101/2-5-5 | 5.00 x 10.50 | | NO | $67 |
| (EPPO15) | | 101/2-5-61/2 | 5.00 x 10.50 | | NO | $72 |
| (EPPO26) | | 13-5-10 | 5.00 x 13.00 | | NO | $99 |
| (EPPO31) | | 14-5-10 | 5.00 x 14.00 | | NO | $96 |
| (EPPO33) | | 15-5-111/4 | 5.00 x 15.00 | | NO | $96 |
| (EPPO38) | | 151/2-5-10 | 5.00 x 15.50 | | NO | $110 |
| (EPPO41) | | 16-5-101/2 | 5.00 x 16.00 | | NO | $114 |
| (EPPO48) | | 161/4-5-111/4 | 5.00 x 16.25 | | NO | $96 |
| (EPPO53) | | 17-5-121/8 | 5.00 x 17.00 | | NO | $114 |
| (EPPO56) | | 173/4-5-121/8 | 5.00 x 17.75 | | NO | $142 |
| (EPPO58) | | 18-5-121/8 | 5.00 x 18.00 | | NO | $120 |
| (EPPO63) | | 18-5-14 | 5.00 x 18.00 | | NO | $135 |
| (EPPO68) | | 20-5-16 | 5.00 x 20.00 | | NO | $148 |
| (EPPO73) | | 21-5-15 | 5.00 x 21.00 | | NO | $162 |
| (EPPO110) | | 21-5-15 | 5.00 x 21.00 | | NO | $175 |
| (EPPO79) | | 22-5-16 | 5.00 x 22.00 | | NO | $149 |
| (EPPO21) | | 12-51/2-8 | 5.50 x 12.00 | | NO | $101 |
| (EPPO28) | | 131/2-51/2-8 | 5.50 x 13.50 | | NO | $102 |
| (EPPO8) | | 10-6-61/4 | 6.00 x 10.00 | | NO | $86 |

*(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 | $88 |
| (EPPO14) | | 101/2-6-5 | 6.00 x 10.50 | | NO | $110 |
| (EPPO34) | | 15-6-111/4 | 6.00 x 15.00 | | NO | $111 |
| (EPPO39) | | 151/2-6-10 | 6.00 x 15.50 | | NO | $124 |
| (EPPO42) | | 16-6-101/2 | 6.00 x 16.00 | | NO | $130 |
| (EPPO103) | | 16-6-101/2 | 6.00 x 16.00 | | NO | $155 |
| (EPPO49) | | 161/4-6-111/4 | 6.00 x 16.25 | | NO | $116 |
| (EPPO104) | | 161/4-6-111/4 | 6.00 x 16.25 | | NO | $140 |
| (EPPO54) | | 17-6-121/8 | 6.00 x 17.00 | | NO | $147 |
| (EPPO57) | | 173/4-6-121/8 | 6.00 x 17.75 | | NO | $166 |
| (EPPO59) | | 18-6-121/8 | 6.00 x 18.00 | | NO | $133 |
| (EPPO64) | | 18-6-14 | 6.00 x 18.00 | | NO | $143 |
| (EPPO106) | | 18-6-121/8 | 6.00 x 18.00 | | NO | $157 |
| (EPPO69) | | 20-6-16 | 6.00 x 20.00 | | NO | $167 |
| (EPPO74) | | 21-6-15 | 6.00 x 21.00 | | NO | $177 |
| (EPPO111) | | 21-6-15 | 6.00 x 21.00 | | NO | $188 |
| (EPPO80) | | 22-6-16 | 6.00 x 22.00 | | NO | $169 |
| (EPPO89) | | 22-6-173/4 | 6.00 x 22.00 | | NO | $208 |
| (EPPO22) | | 12-61/2-8 | 6.50 x 12.00 | | NO | $106 |
| (EPPO29) | | 131/2-61/2-8 | 6.50 x 13.50 | | NO | $130 |
| (EPPO9) | | 10-7-61/4 | 7.00 x 10.00 | | NO | $97 |
| (EPPO17) | | 101/2-7-61/2 | 7.00 x 10.50 | | NO | $120 |
| (EPPO35) | | 15-7-111/4 | 7.00 x 15.00 | | NO | $127 |
| (EPPO43) | | 16-7-101/2 | 7.00 x 16.00 | | NO | $147 |
| (EPPO50) | | 161/4-7-111/4 | 7.00 x 16.25 | | NO | $145 |
| (EPPO105) | | 161/4-7-111/4 | 7.00 x 16.25 | | NO | $168 |
| (EPPO55) | | 17-7-121/8 | 7.00 x 17.00 | | NO | $170 |
| (EPPO60) | | 18-7-121/8 | 7.00 x 18.00 | | NO | $142 |
| (EPPO107) | | 18-7-121/8 | 7.00 x 18.00 | | NO | $163 |
| (EPPO65) | | 18-7-14 | 7.00 x 18.00 | | NO | $180 |
| (EPPO70) | | 20-7-16 | 7.00 x 20.00 | | NO | $183 |
| (EPPO75) | | 21-7-15 | 7.00 x 21.00 | | NO | $181 |
| (EPPO112) | | 21-7-15 | 7.00 x 21.00 | | NO | $213 |
| (EPPO81) | | 22-7-16 | 7.00 x 22.00 | | NO | $217 |
| (EPPO90) | | 22-7-173/4 | 7.00 x 22.00 | | NO | $225 |
| (EPPO94) | | 26-7-20 | 7.00 x 26.00 | | NO | $339 |
| (EPPO36) | | 15-8-111/4 | 8.00 x 15.00 | | NO | $142 |
| (EPPO61) | | 18-8-121/8 | 8.00 x 18.00 | | NO | $166 |
| (EPPO66) | | 18-8-14 | 8.00 x 18.00 | | NO | $182 |
| (EPPO108) | | 18-8-121/8 | 8.00 x 18.00 | | NO | $188 |
| (EPPO71) | | 20-8-16 | 8.00 x 20.00 | | NO | $182 |
| (EPPO76) | | 21-8-15 | 8.00 x 21.00 | | NO | $215 |
| (EPPO113) | | 21-8-15 | 8.00 x 21.00 | | NO | $256 |

*(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 | $226 |
| (EPPO115) | | 22-8-16 | 8.00 x 22.00 | | NO | $244 |
| (EPPO91) | | 22-8-173/4 | 8.00 x 22.00 | | NO | $255 |
| (EPPO37) | | 15-9-111/4 | 9.00 x 15.00 | | NO | $206 |
| (EPPO67) | | 18-9-14 | 9.00 x 18.00 | | NO | $185 |
| (EPPO62) | | 18-9-121/8 | 9.00 x 18.00 | | NO | $195 |
| (EPPO109) | | 18-9-121/8 | 9.00 x 18.00 | | NO | $221 |
| (EPPO72) | | 20-9-16 | 9.00 x 20.00 | | NO | $257 |
| (EPPO77) | | 21-9-15 | 9.00 x 21.00 | | NO | $258 |
| (EPPO114) | | 21-9-15 | 9.00 x 21.00 | | NO | $299 |
| (EPPO83) | | 22-9-16 | 9.00 x 22.00 | | NO | $255 |
| (EPPO116) | | 22-9-16 | 9.00 x 22.00 | | NO | $287 |
| (EPPO84) | | 22-10-16 | 10.00 x 22.00 | | NO | $396 |
| (EPPO92) | | 22-10-173/4 | 10.00 x 22.00 | | NO | $436 |
| (EPPO95) | | 28-10-22 | 10.00 x 28.00 | | NO | $547 |
| (EPPO99) | | 36-10-30 | 10.00 x 36.00 | | NO | $763 |
| (EPPO85) | | 22-11-16 | 11.00 x 22.00 | | NO | $501 |
| (EPPO78) | | 21-12-15 | 12.00 x 21.00 | | NO | $364 |
| (EPPO86) | | 22-12-16 | 12.00 x 22.00 | | NO | $467 |
| (EPPO96) | | 28-12-22 | 12.00 x 28.00 | | NO | $704 |
| (EPPO100) | | 36-12-30 | 12.00 x 36.00 | | NO | $835 |
| (EPPO87) | | 22-14-16 | 14.00 x 22.00 | | NO | $577 |
| (EPPO93) | | 22-14-173/4 | 14.00 x 22.00 | | NO | $611 |
| (EPPO97) | | 28-14-22 | 14.00 x 28.00 | | NO | $797 |
| (EPPO88) | | 22-16-16 | 16.00 x 22.00 | | NO | $655 |
| (EPPO98) | | 28-16-22 | 16.00 x 28.00 | | NO | $959 |
| **CONVEYOR/LOADER BELTING** | | | | | | |
| **CONVEYOR BELTING (GOODYEAR WINGFOOT)** | | | ***(Life = 5000 hrs )*** | | | |
| (AZZA1) | | Conveyor Belting | 24.00 x 50.00 | 2 | NO | $312 |
| (AZZA2) | | Conveyor Belting | 24.00 x 60.00 | 2 | NO | $374 |
| (AZZA3) | | Conveyor Belting | 24.00 x 70.00 | 2 | NO | $436 |
| (AZZA4) | | Conveyor Belting | 24.00 x 80.00 | 2 | NO | $499 |
| (AZZA5) | | Conveyor Belting | 24.00 x 90.00 | 2 | NO | $561 |
| (AZZA6) | | Conveyor Belting | 24.00 x 100.00 | 2 | NO | $623 |
| (AZZA7) | | Conveyor Belting | 24.00 x 110.00 | 2 | NO | $686 |
| (AZZA8) | | Conveyor Belting | 24.00 x 120.00 | 2 | NO | $748 |
| (AZZA9) | | Conveyor Belting | 24.00 x 130.00 | 2 | NO | $811 |
| (AZZA10) | | Conveyor Belting | 24.00 x 140.00 | 2 | NO | $873 |
| (AZZA11) | | Conveyor Belting | 24.00 x 150.00 | 2 | NO | $935 |
| (AZZA12) | | Conveyor Belting | 30.00 x 50.00 | 2 | NO | $390 |
| (AZZA13) | | Conveyor Belting | 30.00 x 60.00 | 2 | NO | $468 |
| (AZZA14) | | Conveyor Belting | 30.00 x 70.00 | 2 | NO | $545 |

*(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 | $623 |
| (AZZA16) | | Conveyor Belting | 30.00 x 90.00 | 2 | NO | $701 |
| (AZZA17) | | Conveyor Belting | 30.00 x 100.00 | 2 | NO | $779 |
| (AZZA18) | | Conveyor Belting | 30.00 x 110.00 | 2 | NO | $857 |
| (AZZA19) | | Conveyor Belting | 30.00 x 120.00 | 2 | NO | $935 |
| (AZZA20) | | Conveyor Belting | 30.00 x 130.00 | 2 | NO | $1,013 |
| (AZZA21) | | Conveyor Belting | 30.00 x 140.00 | 2 | NO | $1,091 |
| (AZZA22) | | Conveyor Belting | 30.00 x 150.00 | 2 | NO | $1,169 |
| (AZZA23) | | Conveyor Belting | 36.00 x 50.00 | 2 | NO | $468 |
| (AZZA24) | | Conveyor Belting | 36.00 x 60.00 | 2 | NO | $561 |
| (AZZA25) | | Conveyor Belting | 36.00 x 70.00 | 2 | NO | $655 |
| (AZZA26) | | Conveyor Belting | 36.00 x 80.00 | 2 | NO | $748 |
| (AZZA27) | | Conveyor Belting | 36.00 x 90.00 | 2 | NO | $841 |
| (AZZA28) | | Conveyor Belting | 36.00 x 100.00 | 2 | NO | $935 |
| (AZZA29) | | Conveyor Belting | 36.00 x 110.00 | 2 | NO | $1,029 |
| (AZZA30) | | Conveyor Belting | 36.00 x 120.00 | 2 | NO | $1,122 |
| (AZZA31) | | Conveyor Belting | 36.00 x 130.00 | 2 | NO | $1,215 |
| (AZZA32) | | Conveyor Belting | 36.00 x 140.00 | 2 | NO | $1,309 |
| (AZZA33) | | Conveyor Belting | 36.00 x 150.00 | 2 | NO | $1,403 |
| (AZZA34) | | Conveyor Belting | 42.00 x 50.00 | 2 | NO | $545 |
| (AZZA35) | | Conveyor Belting | 42.00 x 60.00 | 2 | NO | $655 |
| (AZZA36) | | Conveyor Belting | 42.00 x 70.00 | 2 | NO | $763 |
| (AZZA37) | | Conveyor Belting | 42.00 x 80.00 | 2 | NO | $873 |
| (AZZA38) | | Conveyor Belting | 42.00 x 90.00 | 2 | NO | $981 |
| (AZZA39) | | Conveyor Belting | 42.00 x 100.00 | 2 | NO | $1,091 |
| (AZZA40) | | Conveyor Belting | 42.00 x 110.00 | 2 | NO | $1,200 |
| (AZZA41) | | Conveyor Belting | 42.00 x 120.00 | 2 | NO | $1,309 |
| (AZZA42) | | Conveyor Belting | 42.00 x 130.00 | 2 | NO | $1,418 |
| (AZZA43) | | Conveyor Belting | 42.00 x 140.00 | 2 | NO | $1,527 |
| (AZZA44) | | Conveyor Belting | 42.00 x 150.00 | 2 | NO | $1,636 |
| (AZZA45) | | Conveyor Belting | 48.00 x 50.00 | 3 | NO | $1,046 |
| (AZZA46) | | Conveyor Belting | 48.00 x 60.00 | 3 | NO | $1,256 |
| (AZZA47) | | Conveyor Belting | 48.00 x 70.00 | 3 | NO | $1,465 |
| (AZZA48) | | Conveyor Belting | 48.00 x 80.00 | 3 | NO | $1,674 |
| (AZZA49) | | Conveyor Belting | 48.00 x 90.00 | 3 | NO | $1,883 |
| (AZZA50) | | Conveyor Belting | 48.00 x 100.00 | 3 | NO | $2,093 |
| (AZZA51) | | Conveyor Belting | 48.00 x 110.00 | 3 | NO | $2,302 |
| (AZZA52) | | Conveyor Belting | 48.00 x 120.00 | 3 | NO | $2,511 |
| (AZZA53) | | Conveyor Belting | 48.00 x 130.00 | 3 | NO | $2,721 |
| (AZZA54) | | Conveyor Belting | 48.00 x 140.00 | 3 | NO | $2,930 |
| (AZZA55) | | Conveyor Belting | 48.00 x 150.00 | 3 | NO | $3,139 |
| (AZZA56) | | Conveyor Belting | 60.00 x 50.00 | 4 | NO | $2,438 |
| (AZZA57) | | Conveyor Belting | 60.00 x 60.00 | 4 | NO | $2,926 |

*(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 | $3,415 |
| (AZZA59) | | Conveyor Belting | 60.00 x 80.00 | 4 | NO | $3,903 |
| (AZZA60) | | Conveyor Belting | 60.00 x 90.00 | 4 | NO | $4,391 |
| (AZZA61) | | Conveyor Belting | 60.00 x 100.00 | 4 | NO | $4,879 |
| (AZZA62) | | Conveyor Belting | 60.00 x 110.00 | 4 | NO | $5,366 |
| (AZZA63) | | Conveyor Belting | 60.00 x 120.00 | 4 | NO | $5,853 |
| (AZZA64) | | Conveyor Belting | 60.00 x 130.00 | 4 | NO | $6,341 |
| (AZZA65) | | Conveyor Belting | 60.00 x 140.00 | 4 | NO | $6,829 |
| (AZZA66) | | Conveyor Belting | 60.00 x 150.00 | 4 | NO | $7,317 |

*(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) | .085 | 0.75 |

## APPENDIX G
## TIRE LIFE AND TIRE WEAR FACTORS (Continued)

**SECTION I. TIRE WEAR FACTORS** (Continued)

**Example: Final Tire Wear Factors for Wagon, Rear Dump**
**(See Appendix D, Category W15)**

| | 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 |
|---|---|
| **AA** | - AMERICAN AUGERS, INC. |
| **AB** | - ALLMAND BROTHERS, INC. |
| **AC** | - ACE ENTERPRISES |
| **AD** | - ACKER DIVISION, CHRISTENSEN-BOYLES |
| **AE** | - AEROIL PRODUCTS |
| **AF** | - AIRPLACO |
| **AG** | - ARROW-MASTER |
| **AH** | - AUTO CRANE COMPANY |
| **AI** | - AMIDA INDUSTRIES, INC. |
| **AJ** | - ALLEN ENGINEERING CORPORATION |
| **AK** | - TYLER EQUIPMENT COMPANY |
| **AL** | - ALLENTOWN PUMP & GUN |
| **AM** | - AMERICAN CRANE CORPORATION |
| **AN** | - ATLANTIC |
| **AO** | - ALKOTA CLEANING SYSTEMS, INC. |
| **AP** | - MORROW EQUIPMENT COMPANY, PECCO |
| **AQ** | - AQUATICS UNLIMITED |
| **AR** | - AMERICAN ROAD MACHINERY |
| **AS** | - ATLAS COPCO |
| **AT** | - ANDERSON TUNNELING |
| **AU** | - ALLIED CONSTRUCTION PRODUCTS |
| **AV** | - ALIVA |
| **AX** | - AMERICAN COMPACTION EQUIPMENT, INC. |
| **AY** | - AVERY FILTER COMPANY |
| **BA** | - BADGER DIVISION, BADGER CONSTRUCTION EQUIPMENT COMPANY |
| **BB** | - BASCO |
| **BC** | - BOCK |
| **BD** | - BRODERSON MANUFACTURING COMPANY |
| **BE** | - INGERSOL-RAND MATERIAL HANDLING |
| **BG** | - BARBER-GREENE COMPANY |
| **BI** | - BOR-IT MANUFACTURING COMPANY, INC. |
| **BK** | - BLAW-KNOX CONSTRUCTION EQUIPMENT |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| **BL** | - BLASTRAC DIVISION, WHEELABRATOR CORPORATION |
| **BO** | - BOMAG DIVISION, COMPACTION AMERICA |
| **BR** | - BROOKVILLE MINING |
| **BS** | - BALDERSON, INC. |
| **BU** | - BUSH HOG |
| **CA** | - CATERPILLAR, INC. |
| **CB** | - CONSOLIDATED BAILING MACHINE COMPANY, INC. |
| **CC** | - CEMEN TECH |
| **CD** | - CDS GROUP |
| **CE** | - ATHEY HAULERS |
| **CF** | - CGR COMPACTING |
| **CG** | - CHEMGROUT INC. |
| **CH** | - CHAMPION ROAD MACHINERY INTERNATIONAL |
| **CI** | - CHIPMORE MANUFACTURING, INC. |
| **CJ** | - COLD JET |
| **CK** | - CHICAGO PNEUMATICS TOOL CO. |
| **CL** | - CON-E-CO |
| **CM** | - CLEMCO INDUSTRIES CORPORATION |
| **CN** | - CT ENVIROMENTAL SYSTEMS |
| **CO** | - COMPACTING TECHNOLOGIES INTERNATIONAL |
| **CP** | - CRISAFULLI PUMP |
| **CQ** | - CUSHION CUT |
| **CR** | - CAMLEVER |
| **CS** | - CASE CORPORATION |
| **CT** | - CLEVELAND TRENCHER |
| **CU** | - CUSCO INDUSTRIES |
| **CW** | - CMI CORPORATION (INCLUDING BIDWELL & LOADKING) |
| **CX** | - CMC (CONSTRUCTION MACHINERY COMPANY) |
| **CY** | - CENTRIC |
| **CZ** | - CLYDE IRON WORKS |
| **DA** | - ELCO INTERNATIONAL, INC. |
| **DD** | - DELTA DREDGE & PUMP CORPORATION |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| **DE** | - DEMOLITION TECHNOLOGIES |
| **DF** | - DURA FLOAT |
| **DJ** | - CATERPILLAR (DJB) |
| **DL** | - PILECO |
| **DO** | - DOSCO CORPORATION |
| **DR** | - DRESSER INDUSTRIES |
| **DS** | - DREDGING SUPPLY COMPANY |
| **DW** | - DITCH WITCH |
| **DY** | - DYNAPAC DIVISION, SVELDA INDUSTRIES |
| **EA** | - EAGER BEAVER |
| **EI** | - EIMCO (EJC) |
| **EL** | - ELLICOTT MACHINE CORPORATION |
| **EM** | - EXCELL MACHINE INC. |
| **ES** | - ESCO CORPORATION |
| **ET** | - E.D. ETNYRE & COMPANY |
| **EU** | - EUCLID INDUSTRIES |
| **EX** | - EXCEL INDUSTRIES |
| **EZ** | - E-Z DRILL, INC. |
| **FE** | - FELKER |
| **FG** | - FINN EQUIPMENT |
| **FH** | - FRUEHAUF TRAILER CORPORATION |
| **FI** | - FIATALLIS |
| **FL** | - FLETCHER MINING EQUIPMENT |
| **FN** | - NEW HOLLAND NORTH AMERICA |
| **FO** | - FORD MOTOR COMPANY |
| **FR** | - FERGUSON |
| **FU** | - FURUKAWA |
| **GA** | - GRADALL COMPANY |
| **GB** | - GAR-BRO MANUFACTURING COMPANY |
| **GD** | - GARDNER DENVER INDUSTRIAL MACHINES, COOPER INDUSTRIES |
| **GE** | - GENSCO AMERICA COMPANY, LTD. |
| **GF** | - GRIFFIN DEWATERING |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| **GI** | - GALION DIVISION, KOMATSO DRESSER COMPANY |
| **GL** | - GARLOCK EQUIPMENT COMPANY |
| **GM** | - GMC AND CHEVROLET |
| **GN** | - GALION DUMP BODIES |
| **GO** | - GOMACO CORPORATION |
| **GR** | - GORMAN-RUPP COMPANY |
| **GV** | - GROVE WORLDWIDE (Includes GROVE & MANLIFT) |
| **HA** | - HAZCO |
| **HB** | - HAWCO MANUFACTURING COMPANY |
| **HD** | - HYDRAULIC POWER SYSTEMS, INC. |
| **HE** | - HENDRIX MANUFACTURING COMPANY, INC. |
| **HH** | - H & H PUMP & DREDGE |
| **HI** | - HITACHI CONSTRUCTION MACHINERY |
| **HM** | - H & M VIBRO, INC |
| **HN** | - HINO DIESEL TRUCKS |
| **HO** | - HOMELITE COMPANY, SUBSIDIARY OF DEERE & COMPANY |
| **HP** | - COMPACTION AMERICA |
| **HR** | - HYDROCAL |
| **HU** | - HYUNDIA CONSTRUCTION EQUIPMENT |
| **HW** | - HEWITT-ROBINS |
| **HY** | - HYSTER AMERICA (Lift Trucks) |
| **IC** | - INTERNATIONAL CONSTRUCTION EQUIPMENT |
| **ID** | - KOMATSU DRESSER COMPANY |
| **IE** | - IDEAL MANUFACTURING |
| **IG** | - INGRAM MANUFACTURING COMPANY |
| **IH** | - NAVISTAR INTERNATIONAL CORP |
| **IM** | - INNOVATIVE MATERIAL SYSTEMS (IMS) |
| **IN** | - INGERSOLL-RAND CONSTRUCTION & MINING |
| **IS** | - INSLEY DIVISION, BADGER CONSTRUCTION EQUIPMENT COMPANY |
| **IT** | - NAVISTAR INTERNATIONAL CORPORATION |
| **JC** | - JCB |
| **JD** | - DEERE & COMPANY |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| **JO** | - C. S. JOHNSON COMPANY |
| **KA** | - KAWASAKI LOADERS, INC. |
| **KB** | - KOLBERG MANUFACTURING COMPANY |
| **KC** | - KOBELCO AMERICA, INC. |
| **KE** | - KENWORTH TRUCK COMPANY |
| **KF** | - KNAPHEIDE MANUFACTURING COMPANY |
| **KH** | - KOHLER COMPANY |
| **KI** | - KLEIN PRODUCTS, INC. |
| **KK** | - KEENE ENGINEERING COMPANY |
| **KL** | - KOLMAN |
| **KM** | - KOMATSU DRESSER COMPANY |
| **KN** | - KENT DEMOLITION TOOLS |
| **KO** | - KOEHRING CRANES, INC. |
| **KR** | - TRANSCOASTAL MARINE SERVICES |
| **KU** | - KUBOTA TRACTOR CORPORATION |
| **LA** | - LAYTON MANUFACTURING COMPANY |
| **LB** | - LINK BELT CONSTRUCTION COMPANY |
| **LC** | - LINCOLN ELECTRIC COMPANY |
| **LE** | - LELY CORPORATION |
| **LG** | - LITTLE GIANT CRANE & SHOVEL |
| **LH** | - MORROW EQUIPMENT COMPANY |
| **LI** | - LINK BELT |
| **LN** | - LONDON MACHINERY INC. |
| **LO** | - LORAIN CRANES DIVISION, NORTHWEST ENGINEERING COMPANY |
| **LS** | - LAKE SHORE MINING EQUIPMENT |
| **LU** | - LABOUNTY |
| **LY** | - CUSHION CUT DIVISION, BOART LONGYEAR |
| **MA** | - MANITOWOC ENGINEERING COMPANY |
| **MB** | - M-B COMPANIES, INC. |
| **MC** | - VME NORTH AMERICA |
| **MD** | - MDI/YUTANI |
| **ME** | - MELROE COMPANY |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| **MF** | - MF INDUSTRIAL |
| **MG** | - MCMASTER |
| **MH** | - MITSUBISHI FUSO TRUCK OF AMERICA |
| **MI** | - MITSUBISHI |
| **MJ** | - MILLER SPREADER COMPANY |
| **MK** | - MKT MANUFACTURING, INC. |
| **ML** | - MARLOW PUMPS |
| **MM** | - MACO-MEUDON |
| **MN** | - MAC CORPORATION |
| **MO** | - MORGEN MANUFACTURING COMPANY |
| **MQ** | - MORBARK INDUSTRIES, INC. |
| **MR** | - MOBILE DRILLING COMPANY, INC. |
| **MT** | - MACK TRUCKS, INC. |
| **MU** | - MULTIQUIP, INC. |
| **MX** | - MAXON INDUSTRIES |
| **MY** | - MIDLAND |
| **MZ** | - MARINE INLAND FABRICATERS |
| **NE** | - NEAL MANUFACTURING COMPANY, INC |
| **NL** | - NLB CORPORATION |
| **NO** | - NORTHWEST ENGINEERING COMPANY |
| **NP** | - NPK CONSTRUCTION EQUIPMENT |
| **OK** | - O & K |
| **OL** | - OLYMPYK CHAIN SAWS |
| **ON** | - ONAN CORPORATION |
| **PA** | - PALFINGER, INC. |
| **PB** | - PETTIBONE CRANES |
| **PC** | - PATENT CONSTRUCTION SYSTEMS |
| **PE** | - PETERBILT MOTORS COMPANY |
| **PH** | - P & H |
| **PI** | - PIQUA ENGINEERING |
| **PL** | - PRO-LINE |
| **PO** | - PROGRESSIVE DEVELOPMENT, INC. |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| **PR** | - PERRIN, INC. |
| **PW** | - POWERSCREEN |
| **PZ** | - PACIFIC RUBBER |
| **RA** | - READ CORPORATION |
| **RC** | - ROSS COMPANY |
| **RD** | - REEDDRILL CORPORATION |
| **RE** | - REACH ALL |
| **RI** | - REYNOLDS INTERNATIONAL, L.P. |
| **RK** | - RAPID MIX |
| **RM** | - ROME PLOW COMPANY |
| **RN** | - ALLIED SYSTEMS COMPANY |
| **RO** | - LETOURNEAU / ROBBINS |
| **RS** | - ROSCO MANUFACTURING COMPANY |
| **SA** | - SAUERMAN |
| **SC** | - SCHWING AMERICA, INC. |
| **SD** | - SIOUX STEAM CLEANER CORPORATION |
| **SE** | - SEALMASTER, INC. |
| **SF** | - SECO CORPORATION |
| **SH** | - SHREAD-TECH LIMITED |
| **SI** | - SAKAI AMERICA, INC. |
| **SJ** | - SAKAI NAC |
| **SK** | - LTV ENERGY PRODUCTS |
| **SM** | - SEAARK MARINE |
| **SN** | - STEPHENS MANUFACTURING COMPANY, INC. |
| **SO** | - SOUTHWEST ENGINEERING |
| **SP** | - SPRAGUE AND HENWOOD |
| **SR** | - SULLAIR |
| **SS** | - SAMSUNG CONSTRUCTION EQUIPMENT |
| **ST** | - STOW MANUFACTURING, INC. |
| **SU** | - SULLIVAN INDUSTRIES, INC. |
| **SV** | - SOMERO INDUSTRIES |
| **SW** | - SNORKEL |

# APPENDIX H
## MANUFACTURER LIST

| CODE | MANUFACTURER |
|---|---|
| **TA** | - TAMPO MANUFACTURING COMPANY, INC. |
| **TD** | - TADANO AMERICA CORPORATION |
| **TE** | - TEREX CORPORATION |
| **TK** | - TAKEUCHI |
| **TL** | - TELEDYNE SPECIALTY EQUIPMENT CM PRODUCTS |
| **TM** | - TESMEC USA, INC. |
| **TO** | - TORO |
| **TR** | - O & K |
| **TS** | - TELSMITH |
| **TT** | - TRAIL KING |
| **UE** | - UNDERGROUND EQUIPMENT & SUPPLY |
| **UN** | - UNIT RIG |
| **VA** | - VOEST- ALPINE |
| **VE** | - VERMEER MANUFACTURING COMPANY |
| **VI** | - VINCE HAGAN COMPANY |
| **VO** | - VOLVO CONSTRUCTION EQUIPMENT |
| **VS** | - VALLEY SLURRY SEAL CO. |
| **VU** | - VULCAN IRON WORKS, INC. |
| **WA** | - HAULPAK DIVISION, KOMATSU AMERICA INTERNATIONAL |
| **WC** | - WACKER CORPORATION |
| **WE** | - WEATHERFORD U.S., INC. |
| **WG** | - ATLAS COPCO WAGNER |
| **WI** | - WILLMAR EQUIPMENT CO. |
| **WL** | - WALKER MANUFACTURING COMPANY, INC. |
| **WN** | - WAIN-ROY, INC. |
| **WR** | - WARNER FRUEHAUF TRAILER COMPANY, INC. |
| **WS** | - WHITEMAN CONSPRAY, INC |
| **WT** | - WIRTGEN AMERICAN, INC. |
| **XX** | - NO SPECIFIC MANUFACTURER |
| **ZZ** | - GENERIC EQUIPMENT |

# APPENDIX I

# FEDERAL COST-OF-MONEY RATE

# APPENDIX I
# FEDERAL COST-OF-MONEY RATE
(Re-negotiation 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)

(Re-negotiation 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% |

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 (including features required for safety) 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 & CLAMSHELL, CRAWLER MOUNTED

Power load lowering
Independent swing and travel
Third drum
Torque converter (machines 1-1/2 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

| CAT . SUB | DESCRIPTION |
|---|---|
| **C90.01** | **TRUCK CRANES - LESS THAN 25 TONS** (Continued) |
| | Mechanical outriggers with screw jacks<br>Maximum boom length at 360 degrees rating<br>Counterweight (standard)<br>Fire extinguisher 5-B:C<br>Swing and reverse signal (backup) alarm<br>Boom angle indicator and a load-indicating device<br>Drum rotation indicators<br>Anti-two block (upper limit) devices<br>Manufacturers mandatory accessories |
| **C90.02** | **TRUCK CRANE - 25 TONS AND LARGER** |
| **C90.03** | |
| **C90.04** | Power load lowering<br>Third drum<br>Hydraulic outriggers with screw jacks<br>Torque converter when available (upper only)<br>Maximum boom length at 360 degrees rating<br>Counterweight (standard)<br>Fire extinguisher 5-B:C<br>Reverse signal (backup) alarm<br>Boom angle indicator and a load-indicating device<br>Drum rotation indicators<br>Anti-two block (upper limit) devices<br>Hook block on machines larger than 100 tons |
| **G15** | **GRADER** |
| | Rollover protective structures (ROPS) with enclosed cab<br>Ripper/scarifier, rear mounted<br>Front wheel lean<br>Power circle<br>Hydraulic shift and tilt moldboard<br>End bits<br>Standard work lights<br>Fire extinguisher 5-B:C<br>Reverse signal (backup) alarm |
| **H25** | **EXCAVATORS, HYDRAULIC** |
| **H30** | |
| | Backhoe bucket (standard)<br>Backhoe stick (medium length)<br>Backhoe boom (one piece) |

| CAT . SUB | DESCRIPTION |
|---|---|
| **H25** | **EXCAVATORS, HYDRAULIC** (Continued) |
| **H30** | |
| | Backhoe bucket linkage (with cylinder)<br>Guards<br>Counterweight<br>Standard work lights<br>Reverse signal (backup) alarm<br>Rollover protective structures (ROPS)<br>Fire extinguisher 5-B:C |
| **H35** | **HYDRAULIC SHOVELS - CRAWLER MOUNTED** |
| | Torque converter (machines 1-1/2 CY or larger)<br>Counterweight<br>Reverse signal (backup) alarm<br>Rollover protective structures (ROPS)<br>Fire extinguisher 5-B:C |
| **L30** | **LOADERS, BELT (CONVEYOR BELTS)** |
| | Power unit<br>Head pulley clutch and backstop<br>Belt cleaner and belt installing equipment<br>King pin attachments |
| **L35** | **LOADERS, 1-1/2 CY AND LARGER** |
| **L40** | |
| | Blower fan<br>Guard, power train<br>Automatic bucket positioner<br>Standard counterweight<br>Machines less than 7 CY: General purpose or excavating bucket with bolt on cutting edge and no teeth<br>Machines 7 CY or larger: Rock bucket with bolt on cutting edge and teeth<br>Standard work lights |
| **L35** | **LOADERS, 1-1/2 CY AND LARGER** (Continued) |
| **L40** | |
| | Reverse signal (backup) alarm<br>Rollover protective structures (ROPS)<br>Fire extinguisher 5-B:C |

| CAT . SUB | DESCRIPTION |
|---|---|
| **S10** | **SCRAPERS** |
| **S15** | |
| **S20** | Control single lever<br>Blower fan<br>Standard work light<br>Guards, power train<br>Reverse signal (backup) alarm<br>Rollover protective structures (ROPS)<br>Fire extinguisher 5-B:C<br>Supplemental steering |
| **T15** | **TRACTOR, CRAWLER** |
| | Hydraulic controls for ripper and blade<br>Guards<br>Blower fan<br>Standard work lights<br>Hook, front pull<br>Track grousers (severe service for units over 200 hp)<br>Counterweights where required<br>Reverse signal (backup) alarm<br>Rollover protective structures (ROPS)<br>Universal blade |
| **T20** | **TRACTOR, WHEEL** |
| | Hydraulic controls for ripper and blade<br>Guards<br>Blower fan<br>Standard work lights<br>Blade<br>Fire extinguisher 5-B:C<br>Counterweights when required |
| **T25** | **TRACTOR, AGRICULTURAL** |
| | Independent power take off (PTO)<br>Standard work lights<br>Fire extinguisher 5-B:C<br>Counterweights when required<br>3-point hitch<br>Rollover protective structures (ROPS)<br>Hydraulic system with controls |

| CAT . SUB | DESCRIPTION |
|---|---|
| **T55** | **TRUCKS, OFF-HIGHWAY** |
| | No spin differential<br>Tachograph<br>Engine and transmission guards<br>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 |
| 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 |
| hr | hour |
| hp | horsepower |
| HPF | horsepower factor |
| ID No. | identification number |
| IGE | Independent Government Estimate |
| kW | kilowatt |
| N | number |
| LAF | labor adjustment factor |
| PDF | portable document format |
| RCF | repair cost factor |
| RF | repair factor |
| RPR | repairs |
| SLV | salvage value |
| TCI | tire cost index |
| TEV | total equipment value |
| TT | trailing tire |
| WHPY | working hours per year |
| WLS | water, lube, and supplies |
| yr | year |

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