US Army Corps
of Engineers

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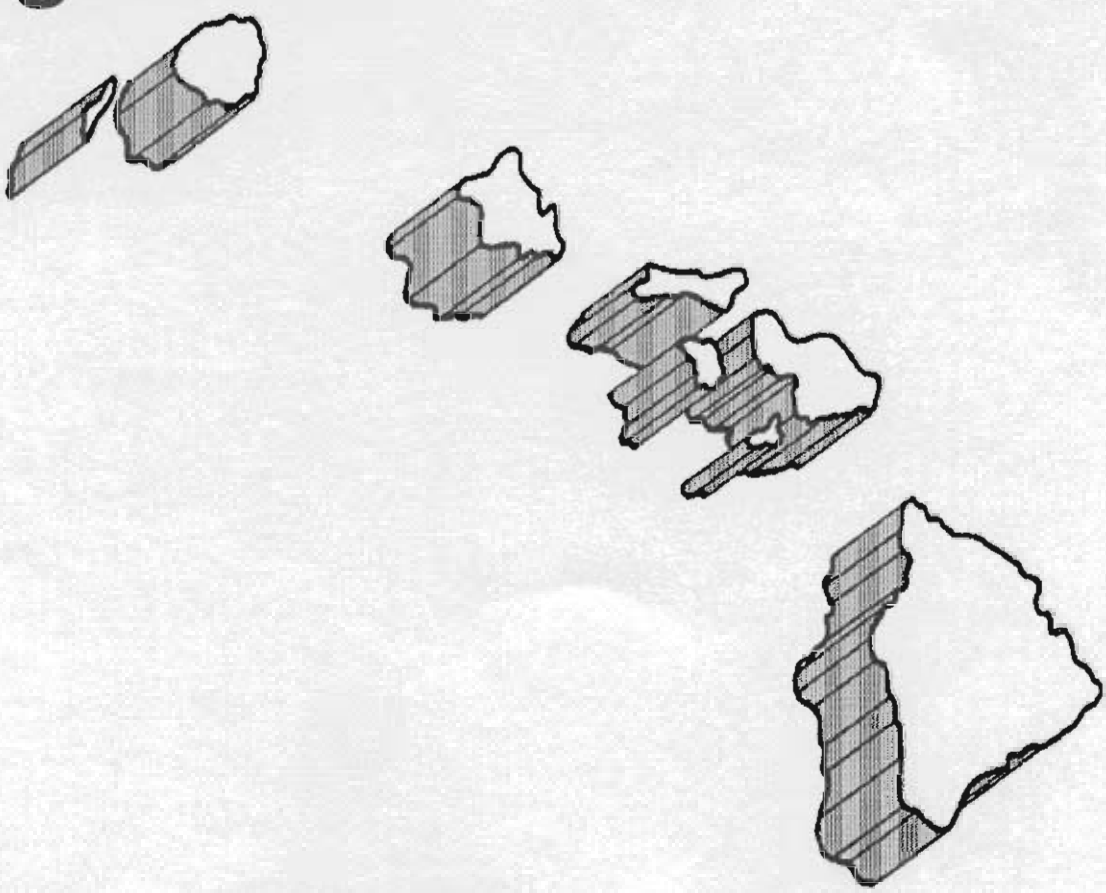
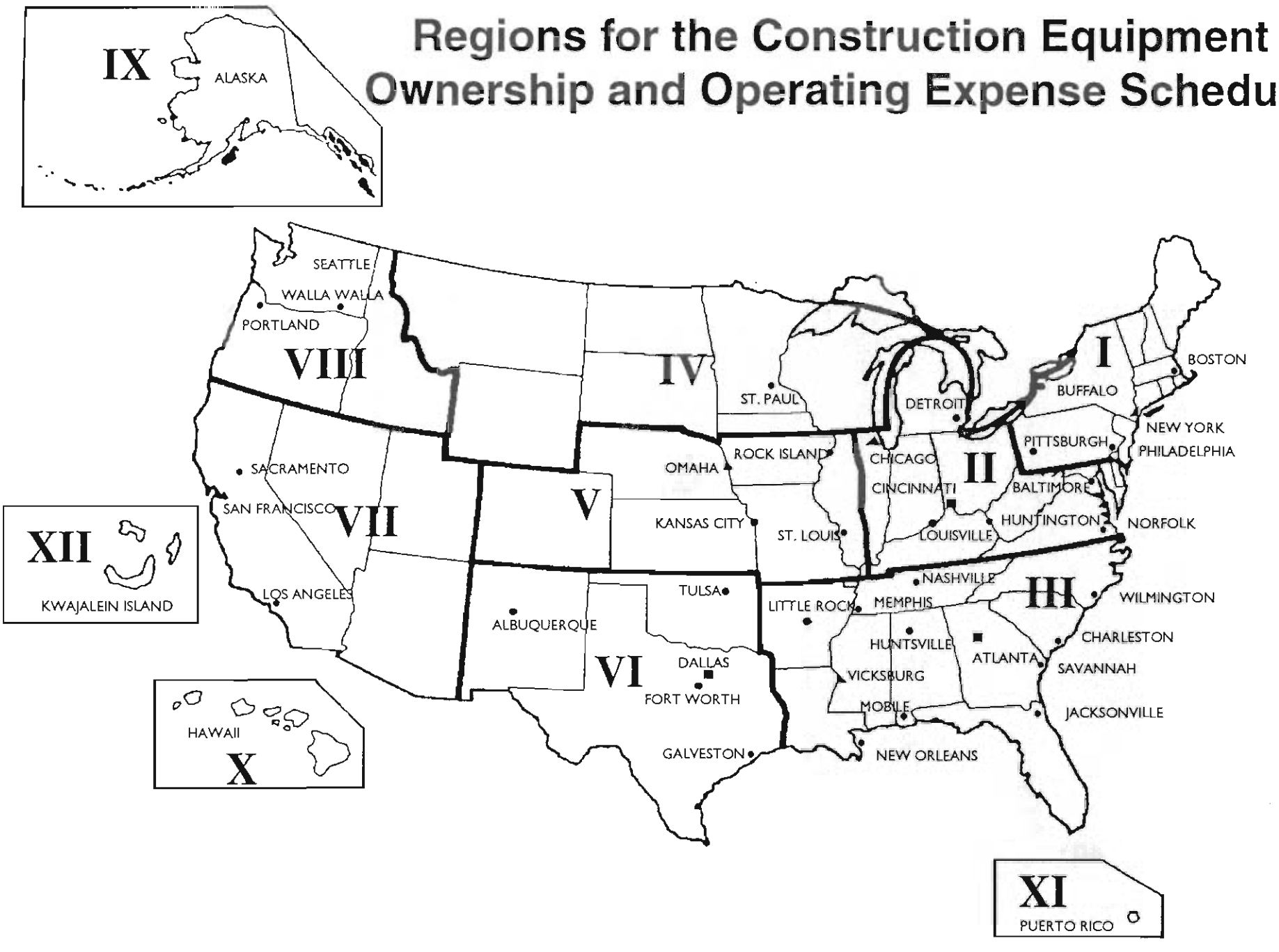
Volume 10
August 1993

# Construction Equipment Ownership and Operating Expense Schedule

## Region X



# Regions for the Construction Equipment Ownership and Operating Expense Schedule



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This pamphlet supersedes EP 1110-1-8, Volume 10, 30 August 1991

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CHAPTER 1

**INTRODUCTION**

1-1 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 for use in the development of rates associated with this type of equipment.

1-2. Applicability. This pamphlet applies to HQUSACE/OCE elements, major subordinate commands, districts, laboratories, and field operating activities. It is applicable to all solicitations and contracts for construction expected to exceed $25,000 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

1-3. References. See APPENDIX A.

1-4. Use. The use of this pamphlet for rate determination on construction contracts, dredging contracts, and negotiated procurements relates only to equipment which is contractor-owned.

a. This pamphlet shall be used for determining hourly equipment rates which are contained in the independent government estimate (IGE).

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 FAR 15.8 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.

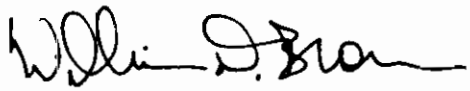
(3) Cost or pricing data is required and available, but all or part of the data is determined not to be in accordance with the cost principles of the FAR.

1-5. Assistance. If assistance is required understanding the methodology or calculating equipment rates, contact the Chief, Cost Engineering Branch, CENPW-EN-CB, Corps of Engineers, Walla Walla District. The district can also provide the computer software program "CHECKRATE" for use in expediting construction and dredging equipment rate calculations. There is a nominal charge to non-government users for this software.

1-6. How to Obtain this Publication. Copies of Volumes 1 through 12 of this pamphlet are available only through the Superintendent of Documents or their government bookstores (see APPENDIX A). For additional information phone (202)783-3238 or write to the following address:

Superintendent of Documents
P. O. Box 371954
Pittsburgh, PA 15250-7954

FOR THE COMMANDER:



WILLIAM D. BROWN
Colonel, Corps of Engineers
Chief of Staff

10 Appendices
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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 major dredging plant). This detailed methodology includes the formulas and factors used to develop both total hourly rates and hourly standby rates.

2-2. Basis for Equipment Rates. Hourly rates as shown in TABLE 2-1, Hourly Equipment Ownership and Operating Expense, reflect equipment prices based on 1 July 1990 as the date of purchase. Area factors used to compute regional ownership and operating expenses are listed in APPENDIX B, Area Factors. This hourly rate methodology assumes that equipment furnished to the job is in sound, workable condition. Furthermore, the methodology applies only to that equipment which 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. Total hourly rates for average conditions shown in TABLE 2-1 are computed on the basis of a 40-hour work week. This total rate is the sum of ownership cost and operating cost. TABLE 2-2, Hourly Rate Elements, contains all individual rate elements. An example of the methodology used to compute the total hourly rate is shown in Figure 2-1.

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

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

(1) Fuel .
(2) Filters, oil, and grease (FOG) (includes servicing)
(3) Repairs, which include maintenance and major overhauls
(4) Tire wear (replacement)
(5) Tire repair

c. Exclusions to Hourly Rates. Total hourly rates include all elements of cost for owning and operating equipment except the following:

(1) Operating labor
(2) Mobilization and demobilization
(3) Field office overhead expenses

(4) Home office or G&A overhead expenses
(5) Investment tax credit
(6) Contingency allowance
(7) Profit
(8) Other elements of cost as listed in paragraph 2-18

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

**SECTION II. OPERATING CONDITIONS**

2-4. Average, Difficult, or Severe Condition. Operating conditions may be average, difficult, or severe. Rates for both average and severe operating conditions are determined in accordance with APPENDIX C, Guide for Selecting Operating Conditions. Difficult conditions are the arithmetic mean of average and severe rates. If only the average rate is shown in TABLE 2-2, that rate will apply for all operating conditions. 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 based on the contract specifications, the basis of any supporting evidence, and APPENDIX C guidance. 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, Equipment Hourly Expense Calculation Factors.

**SECTION III. EQUIPMENT VALUE**

2-6. List Price + Accessories. Equipment cost is based on the total catalog list price for the equipment. The catalog list price for this pamphlet is based on new equipment manufactured in 1990. The total price also includes those accessories normally purchased by the contractor plus all required safety features.

2-7. Discount Code (DC). A 7.5 percent discount is taken on the total list price plus accessories for all equipment except highway trucks which are discounted 15.0 percent. The identification of the discount is shown in APPENDIX D under column heading DC (Discount Code), where B equals the basic discount of 7.50 percent and S equals the special discount of 15.0 percent.

2-8. 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 amount of tax is given in APPENDIX B.

2-9. Freight. Estimated allowances for freight are given in APPENDIX B. This allowance includes preparation and delivery.

Multiply the shipping weight based on hundred weight (CWT) by the freight rate to determine freight charges.

2-10. 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. When developing equipment rates for contract modifications, use the actual equipment price if it is known. Also, if the equipment is overage or was purchased used, refer to Chapter 3, Adjustment to Rates.

**SECTION IV. LIFE**

2-11. Economic Life. LIFE is the expected economic life of the equipment and 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.

2-12. Working Hours Per Year. Annual average operating hours have been established for equipment working within the region covered by this pamphlet. The number of working hours per year (WHPY) as shown in APPENDIX B is equivalent to one 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:

a. Weather
b. Employee holidays
c. Equipment maintenance and repairs
d. Mobilization and demobilization
e. Miscellaneous downtime.

**SECTION V. SALVAGE VALUE**

2-13. Salvage Value (SLV). Salvage values for equipment are based on the Green Guide for Construction Equipment, Handbook of New and Used Construction Equipment Values, and advertisements of used equipment for sale as displayed in current engineering and construction magazines.

2-14. Salvage Value Percentages. 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 condition and severe condition.

**SECTION VI. OWNERSHIP COST**

2-15. 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 total equipment value. Other ownership

elements may be allowed (see paragraph 2-18). Total ownership rate per hour is expressed by formula, as follows:

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

2-16. 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. Depreciation Calculation. Depreciation is calculated by dividing the "depreciable" value (total equipment value 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) Total equipment value (TEV) - see TABLE 2-1

(2) Salvage value (SLV) - see APPENDIX D

(3) Tire cost index (TCI). Tire and conveyor belt cost is considered to be an operating expense and is subtracted from the total equipment value before computing depreciation. If tire costs based on the date of manufacture are not known, current tire values are modified using the TCI. The TCI is determined by dividing the year of manufacture by present year using the appropriate tire indexes. These indexes are listed as part of APPENDIX E, Economic Indexes for Construction Equipment (see EK100, All Tires and Tubes).

(4) Tire cost. The tire cost for rubber-tired equipment is based on tire values taken at the time the equipment was manufactured. Estimated values for tires and conveyor belting are provided in APPENDIX F, Tire Description and Tire Cost (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 - see APPENDIX D

2-17. Facilities Capital Cost of Money

a. Facilities Capital Cost of Money (FCCM), as defined in FAR 15.903, FAR 31.205-10, and CAS 414, is included in the total hourly rates. This cost was computed by multiplying the January 1993 cost-of-money rate (6.50%) determined by the Secretary of the Treasury pursuant to P.L. 92-41 (85 Stat. 97) by the average

value of equipment and prorating the result over the annual operating hours. This cost-of-money rate was reduced 25.0% to 5.20% to avoid duplication when applying estimated markups for overhead and profit. The Department of the Treasury adjusts the cost-of-money rate on or about 1 January and 1 July each year; these revisions are printed in the Federal Register. Expressed by formula, FCCM cost equals the following:

$$\text{FCCM/Hr} = \frac{(\text{AVF})\ (\text{TEV})\ (5.20\%)}{(\text{WHPY})}$$

where:

(1) AVF = Average value factor, or

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

(2) N = Number of years in depreciation period, or
N = LIFE / WHPY

(3) 5.20% = Current cost-of-money rate (6.50%) / 1.25

2-18. Other Ownership Elements. The following elements of cost are allowable but would normally be included in the contractor's field office or home office overhead rate calculation.

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

b. Also job-site security, inspection fees, record-keeping, mechanic's training, and highway permits are excluded from the total hourly rate for each unit of equipment.

**SECTION VII. OPERATING COST**

2-19. 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.

2-20. 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. Fuel costs are calculated for each engine, as expressed in the following formula:

Fuel Cost/Hr = Fuel Factor x Horsepower x Fuel Cost/Gallon

a. Hourly Fuel Costs. The estimated 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. See Chapter 3 for fuel adjustments.

b. Fuel Factor - Gas or Diesel Fuel. The fuel factor in gallons per bhp (brake horsepower) hour is listed in APPENDIX D for

both average and severe conditions. Fuel factors are also listed for both equipment, prime engine, and the carrier engine. For severe conditions the fuel consumption rate is 30 percent greater than the average conditions rate. Compute gas or diesel fuel factors by using the following formula:

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

where:

(1) Bhp is the net brake horsepower of the engine at the flywheel at sea level and at full-load governed speed. The engine is fully equipped with generator, fan, air cleaner, and other regular equipment. All horsepower ratings for engine-driven equipment are listed with the equipment description in TABLE 2-1.

(2) HPF is the horsepower factor used in the fuel and electricity consumption formulas and represents the average percent of full rated horsepower being utilized by the engine. 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. The fuel consumption factors, which are shown in APPENDIX D under column headings Fuel Factor-Equipment and Fuel Factor-Carrier, are computed to include the HPF which is shown for information only.

(3) Lbs. Fuel (consumed) per bhp-hr is based on the following estimate:

gasoline = 0.62 lbs. per bhp-hr
diesel = 0.39 lbs. per bhp-hr

(4) Fuel weight per gallon is based on the following estimate:

gasoline = 6.00 lbs. per gallon
diesel = 7.00 lbs. per gallon

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

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

d. Fuel and Electricity Costs. The cost per gallon for gasoline and diesel fuel used to compute the hourly fuel costs are shown in APPENDIX B. The hourly fuel costs for all gasoline powered equipment, diesel powered highway trucks, and truck crane carriers include an allowance for federal and state road taxes, sales taxes, and rental for fuel storage tanks and pumps. Costs per kilowatt hour for electricity used to compute electricity costs are also shown in APPENDIX B.

2-21. Filters, Oil, and Grease (FOG) Cost. FOG cost is computed as a percentage of the hourly fuel costs. In APPENDIX D under the column heading FOG, these percent allowances are expressed as a decimal factor under each fuel type heading: E (electricity), G (gas), or D (diesel). Fog cost is calculated for each engine using the following formula:

Fog Cost/Hr = FOG Factor x Fuel Cost/Hr x LAF

a. The FOG element contains all items of cost for routine servicing of the equipment including the following:

(1) Base wages for servicing labor
(2) Fringe benefits and labor burden costs for servicing
(3) Service truck and fuel truck allowance
(4) Other equipment costs for servicing
(5) Filters, oil, and grease allowance
(6) Taxes and shipping for FOG supplies

b. The FOG percentage allowance is reduced for servicing which is normally performed by the oiler who is assigned separately to the unit of equipment (and costed elsewhere). 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)

c. The labor adjustment factor (LAF) is used to adjust the FOG factor to account for geographic variations in labor and parts costs. The factor for the region covered by this pamphlet is given in APPENDIX B.

d. If the unit of equipment has no engine, a reasonable hourly estimate for FOG is included.

2-22. Repair Cost. The repair cost is an allowance 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 paragraph 2-16). The estimated hourly rate for repairs is computed as follows:

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

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

Repair Factor (RF) = Repair cost factor (RPR) x EAF x LAF

b. Use the following multiplying factors to develop the repair factor:

(1) The estimated repair cost factor (RPR) is shown in APPENDIX D. This factor varies depending on the operating condition of the equipment (average or severe).

(2) The economic adjustment factor (EAF) 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. APPENDIX E, Economic Indexes for Construction Equipment, is used to develop the EAF. Economic indexes are determined as follows:

(a) Economic Index for the Present Year. Find the present year and corresponding index in APPENDIX E for the equipment division in question. If the index for the present year has not been included, future year indexes 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). Locate the index number in APPENDIX E for the year and equipment division. If the actual age of the equipment is beyond the last year of its economic life, refer to Chapter 3 for further rate adjustments.

c. 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 RPR 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 which are required for all repairs and major overhauls complete with applicable sales taxes and freight charges.

(3) Service trucks and other equipment utilized 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.

2-23. Tire Costs. 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 trail-

ing (TT). However, all tires performing the drive function are considered as drive tires and are listed in the DT position. The total hourly tire wear cost for each unit of equipment is the sum of the hourly cost for each position. The 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:

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

where:

(1) Tire cost factor. It has been estimated that a recap costs approximately 50 percent of the new tire cost. Therefore, tire cost factor is 1.50, which represents the purchase of the original tire plus 1 recap.

(2) Current tire cost. The estimated current tire cost applies to all tires on the equipment in that position. For example, 4 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. It has been estimated that a recap lasts approximately 80 percent of the life of a new tire. Therefore, total initial tire life factor is 1.80, which represents the purchase of the original tire plus 1 recap.

(4) Tire wear factor. 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, Tire Life and Tire Wear Factors, contains the methodology used to develop these factors and a computation example for a rear dump wagon.

(5) Maximum tire life. The maximum new tire life for various tire types is shown in APPENDIX G. It is expressed in hours in the above formula. The useful tire life is estimated using the method and tables in "Production and Cost Estimating of Material Movement with Earthmoving Equipment" prepared by Terex Division of General Motors.

b. Tire Repair Cost. It has been estimated that tire repairs are 15 percent of the total hourly tire wear cost. LAF is used to adjust the tire repair cost to account for geographic variations in labor and parts costs. This cost element has been calculated and listed separately in TABLE 2-2. It is expressed as a formula as follows:

$$\text{Tire Repair Cost} = \text{Total Tire Wear Cost} \times .15 \times \text{LAF}$$

c. Belt Cost. For equipment that uses conveyor belts, the belt wear is treated similarly to tire wear. The wear factors are listed in the front tire wear factor column in APPENDIX D. Belt life is shown in APPENDIX G and belt cost is listed in APPENDIX F.

**SECTION VIII. STANDBY HOURLY RATES**

2-24. Standby Hourly Rate. The standby rate is computed from the average condition rate by allowing the full FCCM hourly cost plus one-half of the hourly depreciation. It is expressed as a formula, as follows:

Standby Rate/Hr = (DEPR/Hr x .50) + FCCM/Hr

The following conditions apply:

a. Paid standby will not exceed 40 hours per week (7 calendar days) per unit of equipment.

b. Standby will not be allowed during periods when the equipment would have otherwise been in idle status. Actual operating hours during a week will be credited against the 40 hours maximum standby allowance.

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 manufactured. If the equipment is overage, the adjustments identified in Chapter 3 shall be used.

**SECTION IX. RATE CALCULATION EXAMPLE**

2-25. Computation Example. Figure 2-1, Equipment Rate Computation Worksheet, illustrates how the total hourly rates in TABLE 2-1 are computed.

a. When an hourly rate for a specific unit of equipment not included in this pamphlet must be computed, the methodology contained in Chapter 2 shall be followed. Software is also available for rate computation (see Chapter 1).

b. If the actual number of work hours per week is greater than 40 hours, see Chapter 3 for guidance on the use of shift adjustment factors (see TABLE 3-3, Shift Adjustment Factors for Ownership Costs).

c. See Chapter 3, Adjustments to Rates, for further guidance on the procedure for rate adjustment.

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

1. **EQUIPMENT INFO & EXPENSE FACTORS**

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

*For ID No.* ***C90LI002***

a. Equipment Specification Data:

(1) Equipment Description: ***CRANES, MECHANICAL, TRUCK MTD***
***LINK BELT (FMC), 50 TON WITH 150' BOOM***

(2) Model and Series: ***BC108C***

(3) Present Year or Year of Use: ***1992*** (4) Year Manufactured or Purchased: ***1990***

(5) Horsepower - Equipment: ***110***

(6) Horsepower - Carrier: ***318***

(7) Fuel type: - Equipment: gas,diesel off-road, diesel on-road, electric, or air ***D-OFF***
- Carrier: gas,diesel off-road, diesel on-road, electric, or air ***D-ON***

(8) Shipping Weight (CWT): ***1,197***

(9) Tire size and number of tires: Total Cost of tires based on 1a. (3)

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) Front: | No.: ***4*** | Size/Ply: ***1400-20/ 18*** | Cost: $ | ***3,320*** |
| (b) Drive: | No.: ***8*** | Size/Ply: ***1400-20/ 18*** | Cost: $ | ***6,640*** |
| (c) Trailing: | No.: ***0*** | Size/Ply: | Cost: $ | ***0*** |
| (d) Total Tire Cost: | | | $ | ***9,960*** |

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

b. Category and Sub-category Number: ***C90 0.02***

c. Hourly Expense Calculation Factors:

(1) Economic Key (EK): ***20***

(2) Condition (C): ***Average Condition, A***

(3) Discount Code (DC): B = 7.5% (0.075) or S = 15.0% (0.15) ***7.50%***

(4) Life in Hours (LIFE): ***16,000***

(5) Salvage Value Percentage (SLV): ***0.15***

(6) Fuel Factor - Equipment (E G D): ***0.036***

(7) Fuel Factor - Carrier (E G D): ***0.006***

(8) FOG Factor (E G D): ***0.26***

(9) Tire Wear Factor:

(a) Front (FT): ***0.97***

(b) Drive (DT): ***0.78***

(c) Trailing (TT): ***0.00***

(10) Repair Cost Factor (RPR): ***0.70***

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

**2. EQUIPMENT VALUE**

**a.** List Price + Accessories: (*at Year of Manufacture*) = $ 539,523

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

( 539,523 ) x ( 0.075 ) = - ($ 40,464 )

(2) Subtotal: [2.a.] - [2.a.(1)] S/T $ 499,059

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

( 499,059 ) x ( 0.05 ) = $ 24,953

(4) Total Discounted Price - Subtotal: [2.a.(2)] + [2.a.(3)] S/T $ 524,012

**b.** Freight: (Shipping Weight) [1.a.(8)] x (Freight Rate per CWT) [APPENDIX B]

( 1,197 CWT) x ( 23.80 ) = $ 28,489

**c.** TOTAL EQUIPMENT VALUE (TEV): [(2.a.(4)] + [(2.b)] **2. TOTAL:** $ 552,501

*(Use actual cost if available.)*
*(See Chapter 3 for used and overaged equipment rate adjustments.)*

**3. DEPRECIATION PERIOD (N)**

**a.** (LIFE) [1.c.(4)] / (Working Hours Per Year (**WHPY**)) [APPENDIX B] = N

( 16,000 Hrs) / ( 1,650 Hrs/Yr) **3. TOTAL** = 9.70 Yrs(N)

**4. OWNERSHIP COST**

**a.** Depreciation

(1) Tire Costs Index (**TCI**):

(Tire Index, Yr of Mfgr) [APPENDIX E,EX=100] / (Tire Index, Based on 1a.(3)) [APPENDIX E,EX=100] = Tire Cost Index (TCI)

( 2470 ) / ( 2584 ) = 0.956 (TCI)



**Figure 2-1. Equipment Rate Computation WorkSheet (Continued)**

**4. OWNERSHIP COST (Continued)**

**a.** Depreciation:

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

[( 552,501 ) x [1.0 -( 0.15 )] - [( 0.956 ) x ( 9,960 )]]/ ( 16,000 )

= $ 28.76 /Hr

**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)

[[( 9.70 Yrs) - 1.0] x [1.0 + ( 0.15 )] + 2.0] / [2.0 X ( 9.70 Yrs)]

= 0.619 (AVF)

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

( 552,501 ) x (0.619 ) x ( 0.0520 ) / ( 1,650 Hrs/Yr)

= $ 10.78 /Hr

c. TOTAL HOURLY OWNERSHIP COST: [4.a.(2)] + [4.b.(2)] **4. TOTAL:** $ 39.54 /Hr

**5. OPERATING COST**

**a.** Fuel Costs:

(1) Equipment:

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

( 0.036 ) x ( 110 HP) x ( 0.96 /Gal) = $ 3.80 /Hr

(2) Carrier:

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

( 0.006 ) x ( 318 HP) x ( 1.49 /Gal) = $ 2.84 /Hr

(3) TOTAL HOURLY FUEL COSTS: [(5.a(1)] + [5.a(2)] Total 5.a. = $ 6.64 /Hr



**Figure 2-1. Equipment Rate Computation WorkSheet (Continued)**

**5. OPERATING COST (Continued)**

**b.** FOG Cost:

(1) Equipment:

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

( 0.26 ) x ( 3.80 /Hr) x ( 1.17 ) = $ 1.16 /Hr

(2) Carrier:

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

( 0.26 ) x ( 2.84 /Hr) x ( 1.17 ) = $ 0.86 /Hr

(3) TOTAL HOURLY FOG COST: [(5.b.(1)] + [5.b.(2)] Total 5.b. = $ 2.02 /Hr

**c.** Repair Cost:

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

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

( 4599 ) / ( 4152 ) = 1.108 (EAF)

(See TABLE 3-2 for last year of economic life)

(2) Repair Factor:

(RPR) x (EAF) x (LAF) = Repair Factor (RF)
[1.c.(10)] [5.c.(1).] [APPENDIX B]

( 0.70 ) x ( 1.108 ) x ( 1.17 ) = 0.907 (RF)

(3) Repair Cost

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

[( 552,501 ) - [( 0.956 ) x ( 9,960 ) ]] x ( 0.907 ) / ( 16,000 )

Total 5.c. = $ 30.78 /Hr



**Figure 2-1. Equipment Rate Computation WorkSheet (Continued)**

**5. OPERATING COST (Continued)**

**d.** Tire Wear Cost: *(Use current price levels)*

**(1)** Front Tires:

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

[1.5 x ( 3,320 )] / [1.8 x ( 0.97 ) x ( 5,000 /Hrs)]

= $ 0.57 /Hr

**(2)** Drive Tires:

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

[1.5 x ( 6,640 )] / [1.8 x ( 0.78 ) x ( 5,000 /Hrs)]

= $ 1.42 /Hr

**(3)** Trailing Tires:

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

[1.5 x ( 0 )] / [1.8 x ( 0 ) x ( 0 /Hrs)]

= $ 0.00 /Hr

**(4)** TOTAL TIRE WEAR COST: [Sum 5.d.(1) through 5.d.(3)] Total 5.d. = $ 1.99 /Hr

**e.** Tire Repair Cost:

(Total Tire Wear) [5.d.(4)] x 0.15 X LAF [APPENDIX B]

( 1.99 ) x 0.15 X ( 1.17 ) Total 5.e. = $ 0.35 /Hr

**f.** TOTAL OPERATING COST: [Sum 5.a through 5.e] 5. TOTAL: $ 41.78 /Hr



**Figure 2-1. Equipment Rate Computation WorkSheet (Continued)**

6. **HOURLY RATES**

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

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

( 39.54 /Hr) + ( 41.78 /Hr) = $ 81.32 /Hr

b. **Standby Hourly Rate:**

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

[( 28.76 /Hr) x 0.50] + (10.78 /Hr) = $ 25.16 /Hr

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



**Figure 2-1. Equipment Rate Computation WorkSheet (Continued)**

# TABLE 2-1

## HOURLY EQUIPMENT OWNERSHIP AND OPERATING EXPENSE

## EXPLANATION OF TABLE HEADINGS

Example unit of equipment: American Crane, Model 5530, 75 Ton, 170-boom. (Based on average condition.)

CAT: C90 is the category number and identifies for Mechanical Cranes, Truck-Mounted (see APPENDIX D).

ID NO.: C90AM001 is the unique identification number for the above American Crane. AM = the manufacturer (see APPENDIX H, Manufacturer Codes). 001 = 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. The amount of horsepower and type of fuel used is stated. 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 1990.

TOTAL HOURLY RATES: 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.

ADJUSTABLE ELEMENTS. This column shows ownership elements and fuel costs broken out of the AVERAGE column 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. Fuel price adjustments can be performed to the total hourly cost shown under the FUEL column.

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

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **A10 AGGREGATE/CHIP SPREADERS** | | | | | | | | | | | |
| 0.10 SELF PROPELLED | | | | | | | | | | | |
| | | ETNYRE, E.D. | | | | | | | | | |
| | A10ET001 | C-201-89R2 | 10' HOPPER, 2WD, MECHANICAL | 152 HP D | 73,142 | 19.63 | 4.41 | 5.73 | 1.54 | 4.09 | 165 |
| | A10ET002 | C-201-89R2 | 13' HOPPER, 2WD, MECHANICAL | 190 HP D | 76,201 | 21.53 | 4.59 | 5.98 | 1.60 | 5.11 | 170 |
| | A10ET003 | C-202-89R | 10' HOPPER, 2WD, HYDROSTATIC | 152 HP D | 82,620 | 21.48 | 4.98 | 6.49 | 1.73 | 4.09 | 165 |
| | A10ET004 | C-202-89R | 13' HOPPER, 2WD, HYDROSTATIC | 190 HP D | 85,878 | 23.42 | 5.18 | 6.75 | 1.80 | 5.11 | 170 |
| | | ROSCO | | | | | | | | | |
| | A10RS001 | SPR-H | CHIP SPREADER, 10' HOPPER | 152 HP D | 67,338 | 18.49 | 4.05 | 5.27 | 1.41 | 4.09 | 152 |
| | A10RS002 | SPR-H | CHIP SPREADER, 13.5' HOPPER | 152 HP D | 68,566 | 18.74 | 4.13 | 5.37 | 1.44 | 4.09 | 152 |
| 0.20 TOWED & TAILGATE | | | | | | | | | | | |
| | | AMERICAN ROAD MACHINERY | | | | | | | | | |
| | A10AR001 | TG-505C | TAILGATE SPREADER, 8' WIDE (ADD DUMP TRUCK) | | 2,954 | 0.83 | 0.27 | 0.39 | 0.07 | 0.00 | 5 |
| | A10AR002 | ODELL | TOWED SPREADER, 8' WIDE ASPHALT & AGG. SPREADING TO 8" (ADD DUMP TRUCK) | | 5,907 | 1.67 | 0.53 | 0.79 | 0.13 | 0.00 | 22 |
| **A15 AIR COMPRESSORS, PORTABLE** | | | | | | | | | | | |
| 0.10 ROTARY SCREW | | | | | | | | | | | |
| | | NO SPECIFIC MANUFACTURER | | | | | | | | | |
| | A15XX001 | | 100 CFM QUIET, 100 PSI (ADD HOSE) | 50 HP G | 13,291 | 9.55 | 0.78 | 0.98 | 0.29 | 5.13 | 20 |
| | A15XX002 | | 100 CFM QUIET, 100 PSI (ADD HOSE) | 35 HP D | 15,982 | 4.61 | 0.94 | 1.18 | 0.35 | 1.21 | 26 |
| | A15XX003 | | 125 CFM QUIET, 100 PSI (ADD HOSE) | 65 HP G | 16,256 | 12.20 | 0.95 | 1.20 | 0.35 | 6.66 | 24 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | A15XX004 | | 125 CFM QUIET, 100 PSI (ADD HOSE) | 51 HP D | 17,300 | 5.58 | 1.01 | 1.28 | 0.37 | 1.76 | 26 |
| | A15XX005 | | 175 CFM QUIET, 100 PSI (ADD HOSE) | 70 HP G | 17,738 | 13.19 | 1.04 | 1.31 | 0.38 | 7.18 | 26 |
| | A15XX006 | | 175 CFM QUIET, 100 PSI (ADD HOSE) | 65 HP D | 20,100 | 6.76 | 1.19 | 1.49 | 0.44 | 2.25 | 28 |
| | A15XX007 | | 185 CFM QUIET, 100 PSI (ADD HOSE) | 70 HP G | 18,317 | 13.31 | 1.08 | 1.36 | 0.40 | 7.18 | 27 |
| | A15XX008 | | 185 CFM QUIET, 100 PSI (ADD HOSE) | 75 HP D | 21,556 | 7.48 | 1.27 | 1.60 | 0.47 | 2.59 | 29 |
| | A15XX009 | | 250 CFM QUIET, 100 PSI (ADD HOSE) | 95 HP D | 30,178 | 9.99 | 1.77 | 2.24 | 0.65 | 3.28 | 35 |
| | A15XX010 | | 375 CFM QUIET, 100 PSI (ADD HOSE) | 112 HP D | 39,844 | 12.59 | 2.32 | 2.92 | 0.86 | 3.87 | 49 |
| | A15XX011 | | 450 CFM QUIET, 100 PSI (ADD HOSE) | 150 HP D | 56,763 | 17.49 | 3.33 | 4.19 | 1.23 | 5.18 | 89 |
| | A15XX012 | | 600 CFM QUIET, 100 PSI (ADD HOSE) | 200 HP D | 63,339 | 21.01 | 3.70 | 4.65 | 1.37 | 6.91 | 99 |
| | A15XX013 | | 750 CFM QUIET, 100 PSI (ADD HOSE) | 240 HP D | 73,390 | 24.73 | 4.29 | 5.40 | 1.59 | 8.29 | 128 |
| | A15XX014 | | 900 CFM QUIET, 100 PSI (ADD HOSE) | 260 HP D | 82,367 | 27.33 | 4.82 | 6.08 | 1.78 | 8.99 | 138 |
| | A15XX015 | | 1200 CFM QUIET, 100 PSI (ADD HOSE) | 325 HP D | 115,796 | 36.54 | 6.80 | 8.58 | 2.51 | 11.23 | 155 |
| | A15XX016 | | 1400 CFM QUIET, 100 PSI (ADD HOSE) | 395 HP D | 129,804 | 42.37 | 7.63 | 9.64 | 2.81 | 13.65 | 185 |
| | A15XX017 | | 1600 CFM QUIET, 100 PSI (ADD HOSE) | 456 HP D | 136,454 | 46.40 | 8.02 | 10.13 | 2.95 | 15.76 | 216 |
| | 0.20 SHOP TYPE, ELECTRIC | | | | | | | | | | |
| | | | COLD JET | | | | | | | | |
| | A15CJ001 | 65-100C | 330 CFM,250 PSI,FOR CO2 BLASTER | 175 HP E | 26,397 | 17.90 | 1.42 | 1.76 | 0.54 | 9.10 | 44 |
| | A15CJ002 | 65-200C | 850 CFM,290 PSI,FOR CO2 BLASTER | 350 HP E | 59,111 | 36.78 | 3.19 | 3.94 | 1.22 | 18.20 | 77 |
| A20 | AIR HOSE, TOOLS & EQUIPMENT | | | | | | | | | | |
| | 0.10 AIR HOSES | | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | | |
| | A20XX001 | HARDROCK | AIR HOSE, 3/4" DIAM., 100' LONG | | 525 | 0.41 | 0.08 | 0.13 | 0.01 | 0.00 | 1 |
| | A20XX002 | HARDROCK | AIR HOSE, 1" DIAM., 100' LONG | | 574 | 0.45 | 0.09 | 0.15 | 0.01 | 0.00 | 1 |
| | A20XX003 | HARDROCK | AIR HOSE, 1-1/4" DIAM., 100' LONG | | 700 | 0.56 | 0.11 | 0.18 | 0.02 | 0.00 | 1 |
| | A20XX004 | HARDROCK | AIR HOSE, 1-1/2" DIAM., 100' LONG | | 822 | 0.65 | 0.13 | 0.21 | 0.02 | 0.00 | 1 |
| | A20XX005 | HARDROCK | AIR HOSE, 2" DIAM., 100' LONG | | 1,147 | 0.92 | 0.18 | 0.30 | 0.03 | 0.00 | 1 |
| | A20XX006 | HARDROCK | AIR HOSE, 2-1/2" DIAM., 100' LONG | | 1,369 | 1.08 | 0.21 | 0.35 | 0.03 | 0.00 | 1 |
| | A20XX007 | HARDROCK | AIR HOSE, 3" DIAM., 100' LONG | | 2,810 | 2.23 | 0.43 | 0.72 | 0.07 | 0.00 | 1 |
| | A20XX008 | HARDROCK | AIR HOSE, 4" DIAM., 100' LONG | | 4,229 | 3.36 | 0.65 | 1.09 | 0.10 | 0.00 | 2 |
| | A20XX009 | YELLOW-LINE | AIR HOSE, 3/4" DIAM., 100' LONG | | 176 | 0.14 | 0.03 | 0.05 | 0.00 | 0.00 | 1 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | A20XX010 | YELLOW-LINE | AIR HOSE, 1" DIAM., 100' LONG | | 196 | 0.15 | 0.03 | 0.05 | 0.00 | 0.00 | 1 |
| | A20XX011 | YELLOW-LINE | AIR HOSE, 1-1/4" DIAM., 100' LONG | | 456 | 0.36 | 0.07 | 0.12 | 0.01 | 0.00 | 1 |
| | A20XX012 | YELLOW-LINE | AIR HOSE, 1-1/2" DIAM., 100' LONG | | 574 | 0.45 | 0.09 | 0.15 | 0.01 | 0.00 | 1 |
| | A20XX013 | YELLOW-LINE | AIR HOSE, 2" DIAM., 100' LONG | | 673 | 0.54 | 0.11 | 0.17 | 0.02 | 0.00 | 1 |
| | A20XX014 | YELLOW-LINE | AIR HOSE, 2-1/2" DIAM., 100' LONG | | 998 | 0.79 | 0.15 | 0.26 | 0.02 | 0.00 | 1 |
| | A20XX015 | YELLOW-LINE | AIR HOSE, 3" DIAM., 100' LONG | | 1,295 | 1.02 | 0.20 | 0.33 | 0.03 | 0.00 | 1 |
| | A20XX016 | YELLOW-LINE | AIR HOSE, 4" DIAM., 100' LONG | | 1,867 | 1.48 | 0.28 | 0.48 | 0.04 | 0.00 | 1 |
| | 0.20 BLAST HOSE | | | | | | | | | | |
| | | NO SPECIFIC MANUFACTURER | | | | | | | | | |
| | A20XX017 | | BLAST HOSE, 1/2"ID, 1-5/32"OD,100'L | | 429 | 0.36 | 0.07 | 0.11 | 0.01 | 0.00 | 1 |
| | A20XX018 | | BLAST HOSE, 3/4"ID, 1-1/2"OD,100'L | | 580 | 0.49 | 0.09 | 0.15 | 0.01 | 0.00 | 1 |
| | A20XX019 | | BLAST HOSE, 1"ID, 1-7/8"OD,100'L | | 728 | 0.62 | 0.12 | 0.19 | 0.02 | 0.00 | 1 |
| | A20XX020 | | BLAST HOSE,1-1/2"ID, 2-3/8"OD,100'L | | 888 | 0.75 | 0.14 | 0.23 | 0.02 | 0.00 | 1 |
| | 0.30 SANDBLASTERS & BREAKERS | | | | | | | | | | |
| | | CLEMCO | | | | | | | | | |
| | A20CM001 | SCW-1042P | SANDBLASTER, 100 LB CAP. WITH HOSE (1/2" X 25') & ACC (ADD COMPRESSOR) | 101 CFM A | 1,730 | 1.23 | 0.22 | 0.35 | 0.04 | 0.00 | 3 |
| | A20CM002 | SCW-1440P | SANDBLASTER, 150 LB CAP. WITH HOSE (1" X 50') & ACC (ADD COMPRESSOR) | 101 CFM A | 3,079 | 2.13 | 0.38 | 0.62 | 0.07 | 0.00 | 5 |
| | A20CM003 | SCWB-1648P | SANDBLASTER, 300 LB CAP. WITH HOSE (1" X 50') & ACC (ADD COMPRESSOR) | 101 CFM A | 3,366 | 2.32 | 0.42 | 0.67 | 0.08 | 0.00 | 6 |
| | A20CM004 | SCWB-2452HP | SANDBLASTER, 600 LB CAP. WITH HOSE (1-1/4" X 50')& ACC(ADD COMPRESSOR) | 216 CFM A | 4,554 | 3.20 | 0.57 | 0.91 | 0.11 | 0.00 | 7 |
| | A20CM005 | SCH-3079R | SANDBLASTER W/HOPPER, 1400 LB CAP. W/1-1/4"PIPE,50' RC HOSE (ADD COMP) | 216 CFM A | 11,892 | 8.14 | 1.48 | 2.38 | 0.29 | 0.00 | 9 |
| | A20CM006 | 60-H | SANDBLASTER, 3 TON CAP, 1-1/4" PIPE W/50' HOSE W/2 NOZ, TRLR (ADD COMP) | 450 CFM A | 14,281 | 9.76 | 1.73 | 2.78 | 0.34 | 0.00 | 28 |
| | A20CM007 | 120-H | SANDBLASTER, 6 TON CAP, 1-1/4" PIPE W/50' HOSE W/2 NOZ, TRLR (ADD COMP) | 700 CFM A | 17,988 | 12.12 | 2.12 | 3.38 | 0.43 | 0.00 | 45 |
| | A20CM008 | 160-H | SANDBLASTER, 8 TON CAP, 1-1/4" PIPE W/50' HOSE W/2 NOZ, TRLR (ADD COMP) | 900 CFM A | 18,973 | 12.81 | 2.23 | 3.54 | 0.46 | 0.00 | 53 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | A20CM009 | | STORAGE HOPPER, 640 CUBIC FT CAP<br>32-TON SAND BULK ABRASIVE STORAGE | | 10,609 | 7.45 | 1.32 | 2.12 | 0.26 | 0.00 | 55 |
| | | GARDNER DENVER | | | | | | | | | |
| | A20GD001 | SP27E | SPADER, 35 LB, (ADD COMPRESSOR) | 32 CFM A | 803 | 0.60 | 0.10 | 0.16 | 0.02 | 0.00 | 1 |
| | A20GD002 | S58D | SINKER DRILL, DRY GLAND (ADD COMP) | 98 CFM A | 1,883 | 1.39 | 0.24 | 0.38 | 0.05 | 0.00 | 1 |
| | A20GD003 | S58W | SINKER DRILL, WET GLAND (ADD COMP) | 98 CFM A | 1,989 | 1.45 | 0.25 | 0.40 | 0.05 | 0.00 | 1 |
| | A20GD004 | B67C | PAVING BREAKER, 66 LB (ADD COMP) | 46 CFM A | 971 | 0.71 | 0.12 | 0.19 | 0.02 | 0.00 | 1 |
| | A20GD005 | B87C | PAVING BREAKER, 86 LB (ADD COMP) | 50 CFM A | 1,077 | 0.79 | 0.14 | 0.22 | 0.03 | 0.00 | 1 |
| | A20GD006 | S83FM | FEED LEG DRILL,54" TRAVEL(ADD COMP)<br>INCLUDES SWIVEL & POWER RETRACT LEG | 103 CFM A | 3,625 | 2.57 | 0.45 | 0.72 | 0.09 | 0.00 | 1 |
| | | WACKER | | | | | | | | | |
| | A20WC001 | LHB 5 | BREAKER/DRILL, 12 LB (ADD COMP) | 20 CFM A | 1,133 | 0.88 | 0.15 | 0.23 | 0.03 | 0.00 | 1 |
| | A20WC002 | EHB 10/110 | BREAKER/DRILL, 40 LB (ADD GEN) | 2 HP E | 1,492 | 1.30 | 0.19 | 0.30 | 0.04 | 0.10 | 1 |
| | A20WC003 | BHB 25 | ROCK DRILL/BREAKER, 88 LB | 4 HP G | 3,675 | 3.04 | 0.46 | 0.74 | 0.09 | 0.41 | 1 |
| | A20WC004 | BHF 30S | BREAKER/DRILL, 85 LB | 4 HP G | 3,745 | 3.08 | 0.47 | 0.75 | 0.09 | 0.41 | 1 |
| **A25 ASPHALT DISTRIBUTORS** | | | | | | | | | | | |
| | | ROSCO | | | | | | | | | |
| | A25RS001 | RES | 1,000 GALLON, FOR TRUCK MOUNTING<br>(ADD 18,000 TO 24,000 GVW TRUCK) | 50 HP G | 32,468 | 15.35 | 2.33 | 3.25 | 0.70 | 5.13 | 69 |
| | A25RS002 | RRH | 1,000 GAL,HYDROSTATIC,FOR TRUCK MTD<br>(ADD 18,000 TO 24,000 GVW TRUCK) | | 34,331 | 10.27 | 2.46 | 3.43 | 0.74 | 0.00 | 64 |
| | A25RS003 | RES | 1,500 GALLON, FOR TRUCK MOUNTING<br>(ADD 24,000 TO 32,000 GVW TRUCK) | 50 HP G | 33,497 | 15.61 | 2.40 | 3.35 | 0.72 | 5.13 | 73 |
| | A25RS004 | RRH | 1,500 GAL,HYDROSTATIC,FOR TRUCK MTD<br>(ADD 24,000 TO 32,000 GVW TRUCK) | | 35,643 | 10.71 | 2.55 | 3.56 | 0.77 | 0.00 | 71 |
| | A25RS005 | RES | 2,000 GALLON, FOR TRUCK MOUNTING<br>(ADD 32,000 GVW TRUCK) | 50 HP G | 36,550 | 16.39 | 2.62 | 3.65 | 0.79 | 5.13 | 84 |
| | A25RS006 | RRH | 2,000 GAL,HYDROSTATIC,FOR TRUCK MTD<br>(ADD 32,000 GVW TRUCK) | | 38,492 | 11.54 | 2.76 | 3.85 | 0.83 | 0.00 | 77 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | A25RS007 | RES | 3,000 GALLON, FOR TRUCK MOUNTING (ADD 42,000 GVW TRUCK) | 50 HP G | 39,845 | 17.23 | 2.85 | 3.98 | 0.86 | 5.13 | 106 |
| | A25RS008 | RRH | 3,500 GAL,HYDROSTATIC,FOR TRUCK MTD (ADD 42,000 GVW TRUCK) | | 44,546 | 13.18 | 3.19 | 4.45 | 0.96 | 0.00 | 108 |
| **A30** | **ASPHALT FINISHERS/PAVERS** | | | | | | | | | | |
| | ********** | | | | | | | | | | |
| **0.10** | **SELF PROPELLED** | | | | | | | | | | |
| | | BARBER-GREENE | | | | | | | | | |
| | A30BG001 | BG220B | 8' STD PAVING WIDTH (PNEUMATIC) WITH 15'-6" SCREED EXT. | 108 HP D | 178,013 | 45.50 | 10.74 | 13.99 | 3.74 | 3.73 | 250 |
| | A30BG002 | BG240B | 10' STD PAVING WIDTH (PNEUMATIC) WITH 19' SCREED EXT. | 115 HP D | 215,729 | 54.51 | 12.95 | 16.83 | 4.53 | 3.97 | 290 |
| | A30BG003 | BG260B | 10' STD PAVING WIDTH (PNEUMATIC) WITH 19' SCREED EXT. | 155 HP D | 236,245 | 61.09 | 14.15 | 18.37 | 4.96 | 5.36 | 323 |
| | A30BG004 | BG225B | 8' STD PAVING WIDTH (CRAWLER) WITH 15'-6" SCREED EXT. | 108 HP D | 205,297 | 51.59 | 12.52 | 16.42 | 4.31 | 3.73 | 275 |
| | A30BG005 | BG245B | 10' STD PAVING WIDTH (CRAWLER) WITH 19'6" SCREED EXT. | 155 HP D | 242,766 | 62.27 | 14.81 | 19.42 | 5.10 | 5.36 | 318 |
| | A30BG006 | BG265B | 10' STD PAVING WIDTH (CRAWLER) WITH 19'6" SCREED EXT. | 200 HP D | 262,224 | 68.74 | 15.99 | 20.98 | 5.50 | 6.91 | 369 |
| | | BLAW-KNOX | | | | | | | | | |
| | A30BK003 | PF-115 | 8' STD PAVING WIDTH (PNEUMATIC) | 74 HP D | 156,318 | 39.14 | 9.35 | 12.13 | 3.28 | 2.56 | 201 |
| | A30BK005 | PF-180H | 10' STD PAVING WIDTH (PNEUMATIC) | 118 HP D | 214,887 | 54.54 | 12.87 | 16.71 | 4.51 | 4.08 | 290 |
| | A30BK007 | PF-400A | 8' STD PAVING WIDTH (CRAWLER) | 110 HP D | 201,250 | 50.77 | 12.27 | 16.10 | 4.22 | 3.80 | 231 |
| | A30BK008 | PF-500 | 10' STD PAVING WIDTH (CRAWLER) | 158 HP D | 240,526 | 61.89 | 14.67 | 19.24 | 5.05 | 5.46 | 309 |
| | | CATERPILLAR | | | | | | | | | |
| | A30CA001 | AP-200 | 9' STD PAVING WIDTH (CRAWLER) | 35 HP D | 41,931 | 11.13 | 2.56 | 3.35 | 0.88 | 1.21 | 90 |
| | A30CA002 | AP-800B | 10' STD PAVING WIDTH (PNEUMATIC) | 102 HP D | 169,716 | 43.47 | 10.15 | 13.18 | 3.56 | 3.53 | 290 |
| | A30CA004 | AP-1050 | 10' STD PAVING WIDTH (PNEUMATIC) | 145 HP D | 259,556 | 65.97 | 15.57 | 20.24 | 5.45 | 5.01 | 328 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | INGERSOLL-RAND | | | | | | | | | |
| | A30IN001 | ABG511 | PAVER/FINISHER, HEAVY DUTY<br>ADD SCREED (FOR RCC PAVING) | 227 HP D | 409,172 | 103.38 | 24.96 | 32.73 | 8.59 | 7.85 | 469 |
| | A30IN002 | VB 81 | 3.0 - 8.0M SCREED, SINGLE TAMPER AND VIBRATION SYSTEM, HYDRAULICALLY EXTENDABLE WITH REQUIRED AUGERS, ADD PAVER | | 114,817 | 27.59 | 7.01 | 9.19 | 2.41 | 0.00 | 52 |
| | A30IN003 | MB 120 | 3.0 - 12.0M SCREED, DUAL TAMPER AND VIBRATION SYSTEM, ADD PAVER | | 159,891 | 38.08 | 9.76 | 12.79 | 3.36 | 0.00 | 150 |
| | A30IN004 | VDT 120 | 3.0 - 11.5M SCREED, DUAL TAMPER AND VIBRATION SYSTEM, ADD PAVER | | 181,064 | 43.14 | 11.05 | 14.49 | 3.80 | 0.00 | 180 |
| 0.20 | TOWED | | | | | | | | | | |
| | | LAYTON | | | | | | | | | |
| | A30LA001 | P-525 | STANDARD PAVING WIDTH 8 FEET | 14 HP G | 21,785 | 6.91 | 1.31 | 1.70 | 0.46 | 1.44 | 36 |
| | A30LA002 | D-550 | STANDARD PAVING WIDTH 8 FEET | 14 HP G | 29,220 | 8.41 | 1.76 | 2.30 | 0.61 | 1.44 | 40 |
| **A35 ASPHALT KETTLES** | | | | | | | | | | | |
| | | AEROIL PRODUCTS | | | | | | | | | |
| | A35AE001 | KE-B-80KE | 80 GALLON, TRAILER MOUNTED | | 3,312 | 2.07 | 0.28 | 0.42 | 0.07 | 0.00 | 9 |
| | A35AE002 | KE-B-115KE | 115 GALLON, TRAILER MOUNTED | | 3,649 | 2.43 | 0.32 | 0.47 | 0.08 | 0.00 | 11 |
| | A35AE003 | KE-B-165KE | 165 GALLON, TRAILER MOUNTED | | 4,672 | 2.85 | 0.40 | 0.60 | 0.10 | 0.00 | 12 |
| | A35AE004 | KE-B-230KE | 230 GALLON, TRAILER MOUNTED | | 5,906 | 3.46 | 0.52 | 0.77 | 0.13 | 0.00 | 16 |
| | A35AE005 | KE-B-330KE | 330 GALLON, TRAILER MOUNTED | | 7,193 | 4.29 | 0.60 | 0.88 | 0.16 | 0.00 | 20 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ROSCO | | | | | | | | |
| | A35RS001 | KB | 110 GALLON, TRAILER MOUNTED | 4,658 | 2.70 | 0.40 | 0.60 | 0.10 | 0.00 | 13 |
| | A35RS002 | KD | 225 GALLON, TRAILER MOUNTED | 5,629 | 3.33 | 0.50 | 0.73 | 0.13 | 0.00 | 16 |
| **A40** | **ASPHALT & CONCR. MILLERS/PROFILERS** | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | |
| | A40CA001 | PR-75 | PROFILER, MAX CUT 14.5"W X 6.0"DEEP 77 HP D | 72,462 | 20.14 | 4.30 | 5.56 | 1.52 | 2.66 | 130 |
| | A40CA002 | PR-105 | PROFILER, MAX CUT 14.5"W X 6.0"DEEP 90 HP D | 121,659 | 31.85 | 7.34 | 9.57 | 2.55 | 3.11 | 170 |
| | A40CA004 | PR-450 | PROFILER, MAX CUT 75.0"W X 10" DEEP 450 HP D | 344,331 | 98.87 | 21.01 | 27.55 | 7.23 | 15.55 | 567 |
| | A40CA005 | PR-750B | PROFILER, MAX CUT 120.0"W X 10"DEEP 750 HP D | 484,372 | 144.46 | 29.55 | 38.75 | 10.17 | 25.92 | 940 |
| | A40CA006 | PR-1000C | PROFILER, MAX CUT 150.0"W X 10"DEEP 1,000 HP D | 611,247 | 184.75 | 37.28 | 48.90 | 12.83 | 34.56 | 1,031 |
| | | INGERSOLL-RAND | | | | | | | | |
| | A40IN001 | MW-175 | MILLER,20"W, MAX DEPTH 6.0" 122 HP D | 105,278 | 29.57 | 6.38 | 8.33 | 2.21 | 4.22 | 213 |
| | A40IN002 | MW-250 | MILLER,30"W, MAX DEPTH 6.0" 122 HP D | 110,267 | 30.70 | 6.68 | 8.73 | 2.31 | 4.22 | 215 |
| | A40IN003 | MW-250C | MILLER,30"W, MAX DEPTH 6.0",W/CONVY 140 HP D | 136,421 | 37.47 | 8.27 | 10.82 | 2.86 | 4.84 | 314 |
| | A40IN004 | MW-6520HC | MILLER,78"W, MAX DEPTH 6.0",W/CONVY 400 HP D | 275,326 | 80.95 | 16.75 | 21.93 | 5.78 | 13.82 | 427 |
| | A40IN005 | MT-6520 | MILLER,78"W, MAX 6"DEPTH,W/CONV,CWL 400 HP D | 322,588 | 91.64 | 19.68 | 25.81 | 6.77 | 13.82 | 615 |
| | A40IN006 | MT-7000 | MILLER,78"W,MAX 10"DEPTH,W/CONV,CWL 525 HP D | 400,842 | 115.15 | 24.45 | 32.07 | 8.41 | 18.14 | 720 |
| **A45** | **ASPHALT RECYCLERS & SEALERS** | | | | | | | | | |
| | | AEROIL PRODUCTS | | | | | | | | |
| | A45AE001 | HE-PR-52V | RESURFACER-PATCHER, 600,000 BTU INFRA-RED HEATER, TRAILER MOUNTED | 8,107 | 3.64 | 0.57 | 0.80 | 0.17 | 0.00 | 11 |
| | A45AE002 | HE-PR-96V | RESURFACER-PATCHER, 1,200,000 BTU INFRA-RED HEATER, TRAILER MOUNTED | 14,430 | 6.31 | 1.03 | 1.43 | 0.31 | 0.00 | 16 |
| | A45AE003 | HE-PR-120V | RESURFACER-PATCHER, 1,420,000 BTU INFRA-RED HEATER, TRAILER MOUNTED | 17,000 | 7.49 | 1.21 | 1.68 | 0.37 | 0.00 | 18 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SEALMASTER | | | | | | | | | |
| | A45SE001 | 50 | SEALCOATER, 50" WIDE, 238 GALLON STANDARD SPRAY | 18 HP G | 10,498 | 6.33 | 0.75 | 1.04 | 0.23 | 1.85 | 21 |
| | A45SE002 | 12A | SEALCOATER, 50" WIDE, 200 GALLON DUAL SPRAY, SQUEEGEE | 20 HP G | 14,282 | 7.84 | 1.02 | 1.41 | 0.31 | 2.05 | 27 |
| | A45SE003 | 72 | SEALCOATER, 72" WIDE, 300 GALLON DUAL SPRAY, SQUEEGEE | 30 HP G | 20,558 | 11.68 | 1.43 | 1.98 | 0.44 | 3.08 | 35 |
| | A45SE004 | TR-1000 | TANK TRAILER, 1000 GALLON CAPACITY | | 16,545 | 4.85 | 1.14 | 1.56 | 0.36 | 0.00 | 57 |
| **B00** | **BACKHOE (SEE HYD. EXCAV.)** | | | | | | | | | | |
| | ********** | | | | | | | | | | |
| **B10** | **BATCH PLANTS,ASPHALT & CONCRETE** | | | | | | | | | | |
| | ********** | | | | | | | | | | |
| | 0.20 | CONCRETE | | | | | | | | | |
| | | CEMEN TECH | | | | | | | | | |
| | B10CC001 | SCD2-50H | STATIONARY CONCRETE DISPENSER, 30 CF CEMENT BIN, 2 CY AGGREGATE BIN, 15 CY/HOUR MAX. OUTPUT | 10 HP E | 25,889 | 8.79 | 1.63 | 2.20 | 0.53 | 0.52 | 110 |
| | B10CC002 | SCD4.5-50H | STATIONARY CONCRETE DISPENSER, 50 CF CEMENT BIN, 4-1/2 CY AGGREGATE BIN, 15 CY/HOUR MAX. OUTPUT | 15 HP E | 33,755 | 11.51 | 2.13 | 2.87 | 0.69 | 0.78 | 180 |
| | B10CC003 | SCD4.5-100H | STATIONARY CONCRETE DISPENSER, 50 CF CEMENT BIN, 4-1/2 CY AGGREGATE BIN, 30 CY/HOUR MAX. OUTPUT | 25 HP E | 42,263 | 15.26 | 2.66 | 3.59 | 0.86 | 1.30 | 190 |
| | B10CC004 | SCD8-100H | STATIONARY CONCRETE DISPENSER, 80 CF CEMENT BIN, 8 CY AGGREGATE BIN, 30 CY/HOUR MAX. OUTPUT | 30 HP E | 51,084 | 18.21 | 3.21 | 4.34 | 1.04 | 1.56 | 290 |
| | B10CC005 | SCD8-150H | STATIONARY CONCRETE DISPENSER, 80 CF CEMENT BIN, 8 CY AGGREGATE BIN, 60 CY/HOUR MAX. OUTPUT | 50 HP E | 53,617 | 20.89 | 3.37 | 4.56 | 1.09 | 2.60 | 300 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | B10CC006 | SCD12-200E | STATIONARY CONCRETE DISPENSER, 300 BARREL BULK CEMENT SILO FEEDING 50 CF CEMENT HOPPER, 12 CY AGGREGATE BIN, 500 GALLON WATER SYSTEM, 120 CY/HOUR MAX. OUTPUT | 40 HP E | 119,040 | 35.74 | 7.48 | 10.12 | 2.42 | 2.08 | 300 |
| | B10CC007 | MCD2-50HT | MOBILE CONCRETE DISPENSER, 30 CF CEMENT BIN, 2 CY AGGREGATE BIN, 250 GALLON WATER SYSTEM, 15 CY/HOUR OUTPUT, TRAILER MOUNTED | 18 HP G | 34,217 | 13.47 | 2.13 | 2.86 | 0.70 | 1.85 | 80 |
| | B10CC008 | MCD5-100H | MOBILE CONCRETE DISPENSER, 50 CF CEMENT BIN, 5 CY AGGREGATE BIN, 250 GALLON WATER SYSTEM, 30 CY/HOUR OUTPUT, TRUCK MOUNTED | 163 HP G | 67,668 | 42.46 | 4.12 | 5.48 | 1.38 | 16.71 | 132 |
| | B10CC009 | MCD8-100H | MOBILE CONCRETE DISPENSER, 85 CF CEMENT BIN, 8 CY AGGREGATE BIN, 400 GALLON WATER SYSTEM, 30 CY/HOUR MAX. OUTPUT, TRUCK MOUNTED | 200 HP G | 92,241 | 53.81 | 5.57 | 7.38 | 1.88 | 20.50 | 194 |
| | B10CC010 | MCD8-150H | MOBILE CONCRETE DISPENSER, 85 CF CEMENT BIN, 8 CY AGGREGATE BIN, 400 GALLON WATER SYSTEM, 60 CY/HOUR OUTPUT, TRUCK MOUNTED | 200 HP G | 98,919 | 55.61 | 5.99 | 7.95 | 2.01 | 20.50 | 204 |
| | B10CC011 | HS-240 | HORIZONTAL BULK CEMENT SILO, 240 BARREL/38 TON CAPACITY | 20 HP E | 19,601 | 7.13 | 1.24 | 1.67 | 0.40 | 1.04 | 45 |
| | B10CC012 | | 210 (840 CF) BARREL BULK STORAGE CEMENT SILO | 18 HP G | 13,718 | 6.47 | 0.87 | 1.17 | 0.28 | 1.85 | 35 |
| | B10CC013 | | 300 (1200 CF) BARREL BULK STORAGE CEMENT SILO | 18 HP G | 17,775 | 7.45 | 1.12 | 1.51 | 0.36 | 1.85 | 48 |
| | B10CC014 | | CEMENT BAG LOADING AUGER, 6 IN. DIA., 19 FT. LONG, ADJUSTABLE TO DISCHARGE OF 13-1/2 FT. | 5 HP E | 5,993 | 2.29 | 0.38 | 0.51 | 0.12 | 0.26 | 10 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| | | CON-E-CO | | | | | | | | | |
| | B10CL001 | LO-PRO 10 | CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 50 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 215 BARRELS MAX./179 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 200 CY/HR | 60 HP E | 111,120 | 34.52 | 6.90 | 9.28 | 2.26 | 3.12 | 400 |
| | B10CL002 | LO-PRO 12 | CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 50 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 215 BARRELS MAX./179 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 240 CY/HR | 60 HP E | 127,598 | 38.83 | 7.93 | 10.68 | 2.59 | 3.12 | 425 |
| | B10CL003 | LO-PRO 5 | CONCRETE BATCHING PLANT WITH 5 CY AGGREGATE BATCHER, 26 CY AGGREGATE BIN, 5 CY CEMENT BATCHER, 205 BARRELS MAX./170 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 100 CY/HR | 45 HP E | 103,368 | 31.01 | 6.45 | 8.70 | 2.10 | 2.34 | 380 |
| | B10CL004 | LO-PRO 10 HP | CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 35 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 215 BARRELS MAX./179 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 200 CY/HR | 80 HP E | 144,975 | 43.95 | 9.03 | 12.16 | 2.95 | 4.16 | 400 |
| | B10CL005 | LO-PRO 10T-CM | CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 35 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 215 BARRELS MAX./179 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 275 CY/HR | 120 HP E | 156,871 | 50.39 | 9.78 | 13.17 | 3.19 | 6.24 | 400 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | |
| | B10CL006 | LO-PRO 12T-CM | CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 35 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 215 BARRELS MAX./179 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 330 CY/HR | 120 HP E | 173,623 | 54.26 | 10.83 | 14.59 | 3.53 | 6.24 | 425 |
| | B10CL007 | LO-PRO 10CM | CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 35 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 215 BARRELS MAX./179 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 300 CY/HR | 295 HP E | 170,596 | 67.95 | 10.64 | 14.33 | 3.47 | 15.34 | 400 |
| | B10CL008 | LO-PRO SUPER | CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 48 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 243 BARRELS MAX./202 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 480 CY/HR | 345 HP E | 202,970 | 79.91 | 12.67 | 17.08 | 4.13 | 17.94 | 500 |
| | B10CL009 | ALL-PRO 10 | CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 50 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 400 BARRELS MAX./333 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 200 CY/HR | 40 HP E | 110,030 | 31.69 | 6.87 | 9.26 | 2.24 | 2.08 | 425 |
| | B10CL011 | MODULR 12 | CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 84 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 400 BARRELS MAX./333 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 200 CY/HR | 45 HP E | 152,188 | 42.31 | 9.56 | 12.94 | 3.09 | 2.34 | 500 |
| | B10CL012 | MODULR 12 HP | CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 84 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 400 BARRELS MAX./333 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 275 CY/HR | 60 HP E | 159,686 | 45.73 | 10.04 | 13.57 | 3.25 | 3.12 | 525 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| | B10CL013 | MODULR 12 HPCM | CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 84 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 400 BARRELS MAX./333 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 275 CY/HR | 260 HP E | 180,731 | 67.48 | 11.35 | 15.36 | 3.67 | 13.52 | 525 |
| | B10CL014 | MODULR 12 SUPER | CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 84 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 400 BARRELS MAX./333 MIN. CAPACITY CEMENT SILO , THEORETICAL CAPACITY OF 575 CY/HR | 330 HP E | 203,739 | 78.86 | 12.80 | 17.32 | 4.14 | 17.16 | 575 |
| | B10CL015 | PLP MODEL 12 | PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 405 BARRELS MAX./338 MIN.CEMENT SILO, THEORETICAL CAPACITY OF 200 CY/HR | 30 HP E | 90,029 | 25.72 | 5.66 | 7.65 | 1.83 | 1.56 | 380 |
| | B10CL016 | PLP MODEL 10 CM | PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 405 BARRELS MAX./338 MIN.CEMENT SILO, THEORETICAL CAPACITY OF 300 CY/HR | 40 HP E | 141,655 | 38.98 | 8.90 | 12.04 | 2.88 | 2.08 | 350 |
| | B10CL017 | PLP MODEL 12 CM | PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 405 BARRELS MAX./338 MIN.CEMENT SILO, THEORETICAL CAPACITY OF 360 CY/HR | 40 HP E | 146,848 | 40.18 | 9.23 | 12.48 | 2.99 | 2.08 | 380 |
| | B10CL018 | PLP SUPER 10 | PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 405 BARRELS MAX./338 MIN.CEMENT SILO, THEORETICAL CAPACITY OF 480 CY/HR | 75 HP E | 170,940 | 49.02 | 10.74 | 14.53 | 3.47 | 3.90 | 380 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | B10CL019 | PLP SUPER 12 | PORTABLE LOW PROFILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 60 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 405 BARRELS MAX./338 MIN.CEMENT SILO, THEORETICAL CAPACITY OF 575 CY/HR | 300 HP E | 190,161 | 72.84 | 11.95 | 16.16 | 3.87 | 15.60 | 500 |
| | B10CL020 | SLP MODEL 12 | STATIONARY LOW PROFILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 48 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 270 BARRELS MAX./225 MIN.CEMENT SILO, THEORETICAL CAPACITY OF 200 CY/HR | 40 HP E | 99,708 | 29.27 | 6.27 | 8.48 | 2.03 | 2.08 | 380 |
| | B10CL021 | VERSA-PLANT 10 | 10 CY CAPACITY PORTABLE CONCRETE BATCHING PLANT, WITH STANDARD ACCESSORIES | 35 HP E | 45,328 | 15.79 | 2.81 | 3.78 | 0.92 | 1.82 | 190 |
| | B10CL024 | MTM 12 | STATIONARY 12 CY TILT MIXER , 11 FT. 8 IN. DIA. WITH 12 MIXING BLADES | 200 HP E | 143,833 | 52.68 | 9.04 | 12.23 | 2.92 | 10.40 | 90 |
| | B10CL025 | MTM 12 | TRAILER MOUNTED 12 CY TILT MIXER, 11 FT. 8 IN. DIA. WITH REMOVABLE AXLES | 200 HP E | 160,942 | 56.66 | 10.08 | 13.61 | 3.27 | 10.40 | 130 |
| | B10CL026 | | 1080 CF (270 BARREL MAX./225 MIN.) CEMENT STORAGE SILO WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE | | 14,864 | 3.44 | 0.93 | 1.26 | 0.30 | 0.00 | 100 |
| | B10CL027 | | 1560 CF (390 BARREL MAX./325 MIN.) CEMENT STORAGE SILO WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE | | 17,626 | 4.08 | 1.11 | 1.50 | 0.36 | 0.00 | 144 |
| | B10CL028 | | 2040 CF (510 BARREL MAX./425 MIN.) CEMENT STORAGE SILO WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE | | 20,917 | 4.85 | 1.32 | 1.78 | 0.43 | 0.00 | 189 |
| | B10CL029 | | 2400 CF (600 BARREL MAX./500 MIN.) CEMENT STORAGE SILO WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE | | 24,520 | 5.67 | 1.54 | 2.08 | 0.50 | 0.00 | 222 |
| | B10CL030 | | 3000 CF (750 BARREL MAX./625 MIN.) CEMENT STORAGE SILO WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE | | 32,679 | 7.56 | 2.05 | 2.78 | 0.66 | 0.00 | 278 |
| | B10CL031 | | 4000 CF (1000 BARREL MAX./833 MIN.) CEMENT STORAGE SILO WITH DRIVE-THROUGH TYPE UNDERSTRUCTURE | | 46,743 | 10.82 | 2.94 | 3.97 | 0.95 | 0.00 | 370 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | B10CL032 | | 12 IN. DIA. SCREW CONVEYOR, 10 FT. LONG FOR CEMENT | 10 HP E | 3,248 | 2.05 | 0.21 | 0.28 | 0.07 | 0.52 | 10 |
| | B10CL033 | | 12 IN. DIA. SCREW CONVEYOR, 15 FT. LONG FOR CEMENT | 15 HP E | 4,025 | 2.72 | 0.25 | 0.34 | 0.08 | 0.78 | 15 |
| | B10CL034 | | 12 IN. DIA. SCREW CONVEYOR, 20 FT. LONG FOR CEMENT | 20 HP E | 4,390 | 3.30 | 0.28 | 0.37 | 0.09 | 1.04 | 20 |
| | B10CL035 | | 12 IN. DIA. SCREW CONVEYOR, 25 FT. LONG FOR CEMENT | 25 HP E | 6,450 | 4.27 | 0.41 | 0.55 | 0.13 | 1.30 | 25 |
| | B10CL036 | | 9 IN. DIA. SCREW CONVEYOR, 10 FT. LONG FOR CEMENT | 8 HP E | 2,717 | 1.67 | 0.18 | 0.23 | 0.06 | 0.42 | 9 |
| | B10CL038 | | 9 IN. DIA. SCREW CONVEYOR, 15 FT. LONG FOR CEMENT | 15 HP E | 3,394 | 2.53 | 0.22 | 0.29 | 0.07 | 0.78 | 12 |
| | B10CL040 | | 9 IN. DIA. SCREW CONVEYOR, 20 FT. LONG FOR CEMENT | 20 HP E | 3,824 | 3.13 | 0.25 | 0.33 | 0.08 | 1.04 | 16 |
| | B10CL041 | | 9 IN. DIA. SCREW CONVEYOR, 25 FT. LONG FOR CEMENT | 20 HP E | 4,363 | 3.30 | 0.28 | 0.37 | 0.09 | 1.04 | 19 |
| | B10CL042 | | 6 IN. DIA. SCREW CONVEYOR, 10 FT. LONG FOR CEMENT | 5 HP E | 2,424 | 1.32 | 0.16 | 0.21 | 0.05 | 0.26 | 5 |
| | B10CL043 | | 6 IN. DIA. SCREW CONVEYOR, 15 FT. LONG FOR CEMENT | 8 HP E | 2,964 | 1.77 | 0.19 | 0.25 | 0.06 | 0.42 | 8 |
| | B10CL045 | | 6 IN. DIA. SCREW CONVEYOR, 20 FT. LONG FOR CEMENT | 10 HP E | 3,367 | 2.12 | 0.22 | 0.29 | 0.07 | 0.52 | 11 |
| | B10CL046 | | 6 IN. DIA. SCREW CONVEYOR, 25 FT. LONG FOR CEMENT | 10 HP E | 3,742 | 2.26 | 0.24 | 0.32 | 0.08 | 0.52 | 13 |
| | | IDEAL MFG. | | | | | | | | | |
| | B10IE001 | FAST-WAY BATCH PLANT | 6 CY BATCH PLANT, NO CEMENT SILO OR AGGREGATE STORAGE BIN, CHARGING BY FRONT-END LOADER | 3 HP E | 29,560 | 8.60 | 1.85 | 2.49 | 0.60 | 0.16 | 64 |
| | B10IE002 | FAST-WAY CEMENT SILO | 1155 CF (275 BARREL) CEMENT STORAGE SILO WITH SELF-ERECTING HYDRAULIC SYSTEM | 5 HP E | 37,054 | 10.48 | 2.33 | 3.15 | 0.75 | 0.26 | 136 |
| | B10IE003 | FAST-WAY CEMENT AUGER | 6 IN. DIAMETER SCREW CONVEYOR, 18 FT. 11 IN. LONG, USED FOR BAGGED CEMENT | 3 HP E | 4,186 | 1.72 | 0.27 | 0.36 | 0.09 | 0.16 | 10 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | |
| | | ROSS COMPANY | | | | | | | | | |
| | B10RC001 | BOSS V.P. | MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 83 TON/61.5 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 316 BARRELS MAX./263 MIN. CAPACITY CEMENT SILO | 53 HP E | 110,726 | 34.73 | 6.84 | 9.17 | 2.25 | 2.73 | 480 |
| | B10RC002 | BOSS | MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 83 TON/61.5 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 346 BARRELS MAX./289 MIN. CAPACITY CEMENT SILO | 25 HP E | 107,394 | 29.52 | 6.63 | 8.89 | 2.18 | 1.30 | 470 |
| | B10RC003 | BOSS EXECUTIVE | MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 83 TON/61.5 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 346 BARRELS MAX./289 MIN. CAPACITY CEMENT SILO | 55 HP E | 137,476 | 41.39 | 8.47 | 11.35 | 2.79 | 2.86 | 600 |
| | B10RC004 | 110 RUSTLER | MOBILE CONCRETE BATCHING PLANT WITH 5 CY AGGREGATE WEIGH BATCHER, 36.5 TON/27 CY AGGREGATE BIN, 5 CY CEMENT WEIGH BATCHER, 225 BARRELS MAX./187 MIN. CAPACITY CEMENT SILO, 110 CY/HOUR OUTPUT | 30 HP E | 92,496 | 26.97 | 5.70 | 7.64 | 1.88 | 1.56 | 325 |
| | B10RC005 | 160 RUSTLER | MOBILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE WEIGH BATCHER, 60.75 TON/45 CY AGGREGATE BIN, 10 CY CEMENT WEIGH BATCHER, 300 BARRELS MAX./250 MIN. CAPACITY CEMENT SILO, 160 CY/HOUR OUTPUT | 43 HP E | 132,838 | 39.40 | 8.17 | 10.94 | 2.70 | 2.24 | 460 |
| | B10RC006 | RUSTLER II | MOBILE CONCRETE BATCHING PLANT WITH 12 CY AGGREGATE BATCHER, 70 TON/51.8 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 342 BARRELS MAX./285 MIN. CAPACITY CEMENT SILO, 160 CY/HOUR OUTPUT | 46 HP E | 116,996 | 35.43 | 7.18 | 9.59 | 2.38 | 2.37 | 489 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | |
| | B10RC007 | BANDIT | MOBILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE BATCHER, 64.3 TON/47.6 CY AGGREGATE BIN, 10 CY CEMENT BATCHER, 385 BARRELS MAX./321 MIN. CAPACITY CEMENT SILO, 200 CY/HOUR OUTPUT | 23 HP E | 98,274 | 27.23 | 6.06 | 8.12 | 2.00 | 1.17 | 420 |
| | B10RC008 | BTR BANDIT | MOBILE CONCRETE BATCHING PLANT W/12 CY AGGR. BATCHER, 64.3 TON/47.6 CY AGGREGATE BIN, 12 CY CEMENT BATCHER, 439 BARRELS MAX./411 MIN. CAPACITY CEMENT SILO, 200 CY/HOUR OUTPUT | 23 HP E | 92,041 | 25.79 | 5.67 | 7.59 | 1.87 | 1.17 | 250 |
| | B10RC009 | 100 UNIPLANT | MOBILE CONCRETE BATCHING PLANT WITH 4 CY AGGREGATE BATCHER, 36.45 TON/27 CY AGGREGATE BIN, 4 CY CEMENT BATCHER, 224 BARRELS MAX./186 MIN. CAPACITY CEMENT SILO, 100 CY/HOUR OUTPUT | 37 HP E | 90,131 | 26.94 | 5.55 | 7.44 | 1.83 | 1.90 | 300 |
| | B10RC010 | SUPER 100 UNIPLANT | MOBILE CONCRETE BATCHING PLANT WITH 5 CY AGGREGATE WEIGHING HOPPER, 43.2 TON/32 CY AGGREGATE BIN, 5 CY CEMENT BATCHER, 273 BARRELS MAX./227 MIN. CAPACITY CEMENT SILO, 110 CY/HOUR OUTPUT | 37 HP E | 99,907 | 29.20 | 6.17 | 8.27 | 2.03 | 1.90 | 360 |
| | B10RC011 | 135 UNIPLANT | MOBILE CONCRETE BATCHING PLANT WITH 8 CY AGGREGATE BATCHER, 60.75 TON/45 CY AGGREGATE BIN, 8 CY CEMENT BATCHER, 275 BARRELS MAX./230 MIN. CAPACITY CEMENT SILO, 150 CY/HOUR OUTPUT | 48 HP E | 105,657 | 33.00 | 6.47 | 8.63 | 2.15 | 2.50 | 400 |
| | B10RC012 | XHPT-12 | MODULAR BATCH PLANT, 4 AGGREGATE COMPARTMENTS WITH 239 TON CAPACITY, 1 CEMENT COMPARTMENT, 12 CY BATCHER | 15 HP E | 198,641 | 51.93 | 12.48 | 16.88 | 4.04 | 0.78 | 500 |
| | B10RC013 | HPXT-12 | MODULAR BATCH PLANT, 3 AGGREGATE COMPARTMENTS WITH 300 TON CAPACITY, 1 CEMENT COMPARTMENT, 12 CY BATCHER | 15 HP E | 244,754 | 62.86 | 15.38 | 20.80 | 4.98 | 0.78 | 525 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | | |
| | B10RC014 | WHPT-12 | MODULAR BATCH PLANT, 4 AGGREGATE COMPARTMENTS WITH 222 TON CAPACITY, 1 CEMENT COMPARTMENT, 12 CY BATCHER | 15 HP E | 199,778 | 52.19 | 12.55 | 16.98 | 4.06 | 0.78 | 500 |
| | B10RC015 | HPWT 12 | MODULAR BATCH PLANT, 4 AGGREGATE COMPARTMENTS WITH 300 TON CAPACITY, 1 CEMENT COMPARTMENT, 12 CY BATCHER | 15 HP E | 245,892 | 63.12 | 15.45 | 20.90 | 5.00 | 0.78 | 525 |
| | B10RC016 | MOBILE MIXER | 4.5 CY PORTABLE MIXER WITH 44 FT. ATTACHED CONVEYOR | 75 HP E | 208,891 | 60.20 | 12.88 | 17.26 | 4.25 | 3.90 | 420 |
| | B10RC017 | COMPUMIX | PORTABLE MIXING PLANT WITH 4.5 CY MIXER, 5 CY AGGREGATE BATCHER, 5 CY CEMENT BATCHER, 24 FT. ATTACHED CONVEYOR FOR RCC MIXES | 30 HP E | 330,985 | 83.83 | 20.54 | 27.62 | 6.73 | 1.56 | 420 |
| | B10RC023 | 60 UNIMIX | MOBILE BATCH PLANT-MIXER COMBINATION WITH 2 CY MIXING DRUM, 34 CY 45.9 TON AGGREGATE BIN CAPACITY, 258 BARRELS MAX., 215 MIN. CEMENT STORAGE CAPACITY, 60 CY HOUR OUTPUT | 40 HP E | 209,162 | 56.73 | 13.02 | 17.53 | 4.25 | 2.08 | 530 |
| | B10RC024 | 100 UNIMIX | MOBILE BATCH PLANT-MIXER COMBINATION WITH 3.5 CY MIXING DRUM, 34 CY,45.9 TON AGGREGATE BIN CAPACITY, 256 BARRELS MAX. 213 MIN. CEMENT STORAGE CAPACITY, 100 CY HOUR OUTPUT | 60 HP E | 235,261 | 65.40 | 14.59 | 19.61 | 4.78 | 3.12 | 600 |
| | B10RC025 | 120 UNIMIX | MOBILE BATCH PLANT-MIXER COMBINATION WITH 4.5 CY MIXING DRUM, 58 CY 78.3 TON AGGREGATE BIN CAPACITY, 257 BARRELS MAX. 214 MIN. CEMENT STORAGE CAPACITY, 120 CY HOUR OUTPUT | 80 HP E | 244,158 | 70.06 | 15.15 | 20.37 | 4.96 | 4.16 | 720 |
| | B10RC026 | USA CENTRAL MIX PLANT | MOBILE CENTRAL MIX PLANT WITH 105.7 CY 142.7 TON AGGREGATE BIN CAPACITY, 469 BARRELS MAX. 391 MIN. CEMENT STORAGE CAPACITY, 47.5 FT. ATTACHED CONVEYOR, 350 CY HOUR OUTPUT | 120 HP E | 583,377 | 153.21 | 36.19 | 48.65 | 11.86 | 6.24 | 800 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| | | STEPHENS MFG. | | | | | | | | |
| | B10SN001 | 21ST 100-3 | 10 CY AGGREGATE BATCHER SECTION WITH 100-TON 3 COMPARTMENT BIN | 59,391 | 15.26 | 3.74 | 5.05 | 1.21 | 0.00 | 300 |
| | B10SN002 | 21ST 100-4 | 10 CY AGGREGATE BATCHER SECTION WITH 100-TON 4 COMPARTMENT BIN | 62,113 | 15.98 | 3.90 | 5.28 | 1.26 | 0.00 | 320 |
| | B10SN003 | 21ST 150-3 | 10 CY AGGREGATE BATCHER SECTION WITH 150-TON 4 COMPARTMENT BIN | 65,765 | 16.88 | 4.14 | 5.59 | 1.34 | 0.00 | 340 |
| | B10SN004 | 21ST 150-3 | 10 CY AGGREGATE BATCHER SECTION WITH 200-TON 3 COMPARTMENT BIN | 67,117 | 17.18 | 4.21 | 5.70 | 1.36 | 0.00 | 360 |
| | B10SN005 | 21ST 150-4 | 10 CY AGGREGATE BATCHER SECTION WITH 200-TON 4 COMPARTMENT BIN | 72,121 | 18.40 | 4.54 | 6.13 | 1.47 | 0.00 | 400 |
| | B10SN006 | 21ST 200-3 | 10 CY AGGREGATE BATCHER SECTION WITH 250-TON 3 COMPARTMENT BIN | 85,330 | 21.45 | 5.36 | 7.25 | 1.73 | 0.00 | 480 |
| | B10SN007 | 21ST 200-4 | 10 CY AGGREGATE BATCHER SECTION WITH 250-TON 4 COMPARTMENT BIN | 91,261 | 22.89 | 5.74 | 7.76 | 1.86 | 0.00 | 500 |
| | B10SN008 | 21ST 300-3 | 10 CY AGGREGATE BATCHER SECTION WITH 300-TON 3 COMPARTMENT BIN | 92,362 | 23.14 | 5.81 | 7.85 | 1.88 | 0.00 | 560 |
| | B10SN009 | 21ST 300-4 | 10 CY AGGREGATE BATCHER SECTION WITH 300-TON 4 COMPARTMENT BIN | 99,586 | 24.90 | 6.25 | 8.46 | 2.02 | 0.00 | 580 |
| | B10SN010 | 21ST 350 | 10FT DIAMETER CEMENT SILO W/BATCHER 1405CF, 66-TON CAPACITY | 31,799 | 8.66 | 2.00 | 2.70 | 0.65 | 0.00 | 170 |
| | B10SN011 | 21ST 450 | 10FT DIAMETER CEMENT SILO W/BATCHER 1806CF, 85-TON CAPACITY | 33,497 | 9.06 | 2.11 | 2.85 | 0.68 | 0.00 | 185 |
| | B10SN012 | 21ST 550 | 10FT DIAMETER CEMENT SILO W/BATCHER 2207CF, 104-TON CAPACITY | 34,828 | 9.37 | 2.19 | 2.96 | 0.71 | 0.00 | 200 |
| | B10SN013 | 21ST 650 | 11FT 4IN DIA. CEMENT SILO W/BATCHER 2612CF, 123-TON CAPACITY | 38,316 | 10.23 | 2.41 | 3.26 | 0.78 | 0.00 | 240 |
| | B10SN014 | 21ST 650-2 | 11FT 4IN DIA 2-COMP CEMENT SILO W/ BATCHER, 2612CF, 123-TON CAPACITY | 52,885 | 13.75 | 3.33 | 4.50 | 1.08 | 0.00 | 340 |
| | B10SN015 | 21ST 750 | 11FT 4IN DIA. CEMENT SILO W/BATCHER 3006CF, 141-TON CAPACITY | 40,618 | 10.81 | 2.56 | 3.45 | 0.83 | 0.00 | 270 |
| | B10SN016 | 21ST 750-2 | 11FT 4IN DIA 2-COMP CEMENT SILO W/ BATCHER, 3006CF, 141-TON CAPACITY | 56,633 | 14.61 | 3.56 | 4.81 | 1.15 | 0.00 | 390 |
| | B10SN017 | 21ST 850 | 11FT 4IN DIA CEMENT SILO W/BATCHER 3410CF, 160-TON CAPACITY | 44,767 | 11.77 | 2.82 | 3.81 | 0.91 | 0.00 | 300 |
| | B10SN018 | 21ST 850-2 | 11FT 4IN DIA 2-COMP CEMENT SILO W/ BATCHER, 3410CF, 160-TON CAPACITY | 71,261 | 18.05 | 4.48 | 6.06 | 1.45 | 0.00 | 440 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | B10SN019 | 21ST MS350 | 10FT DIAMETER MATERIAL STORAGE SILO 1405 CF, 66-TON CAPACITY | | 23,613 | 6.67 | 1.49 | 2.01 | 0.48 | 0.00 | 160 |
| | B10SN020 | 21ST MS450 | 10FT DIAMETER MATERIAL STORAGE SILO 1806 CF, 85-TON CAPACITY | | 24,944 | 6.98 | 1.57 | 2.12 | 0.51 | 0.00 | 175 |
| | B10SN021 | 21ST MS550 | 10FT DIAMETER MATERIAL STORAGE SILO 2207 CF, 104-TON CAPACITY | | 26,274 | 7.28 | 1.65 | 2.23 | 0.53 | 0.00 | 190 |
| | B10SN022 | 21ST MS650 | 11FT 4IN DIA. MATERIAL STORAGE SILO 2612 CF, 123-TON CAPACITY | | 29,763 | 8.15 | 1.88 | 2.53 | 0.61 | 0.00 | 230 |
| | B10SN023 | 21ST MS650-2 | 11FT4IN DIA 2-COMP MATERIAL STORAGE SILO, 2612 CF, 123-TON CAPACITY | | 44,389 | 11.67 | 2.79 | 3.77 | 0.90 | 0.00 | 330 |
| | B10SN024 | 21ST MS750 | 11FT 4-N DIA MATERIAL STORAGE SILO 3006 CF, 141-TON CAPACITY | | 32,090 | 8.73 | 2.02 | 2.73 | 0.65 | 0.00 | 260 |
| | B10SN025 | 21ST MS750-2 | 11FT4IN DIA 2-COMP MATERIAL STORAGE 3006 CF, 141-TON CAPACITY | | 48,137 | 12.54 | 3.03 | 4.09 | 0.98 | 0.00 | 380 |
| | B10SN026 | 21ST MS850 | 11FT 4-N DIA MATERIAL STORAGE SILO 3410 CF, 160-TON CAPACITY | | 36,240 | 9.69 | 2.28 | 3.08 | 0.74 | 0.00 | 290 |
| | B10SN027 | 21ST MS850-2 | 11FT4IN DIA 2-COMP MATERIAL STORAGE 3410 CF, 160-TON CAPACITY | | 62,546 | 15.98 | 3.93 | 5.32 | 1.27 | 0.00 | 430 |
| | B10SN028 | EAGLE1077 | 200-TON DUAL COMPARTMENT SILO 160 CY CAPACTIY | | 62,111 | 15.98 | 3.90 | 5.28 | 1.26 | 0.00 | 180 |
| | B10SN029 | EAGLE 1341 | 250-TON DUAL COMPARTMENT SILO 199 CY CAPACTIY | | 88,512 | 22.19 | 5.56 | 7.52 | 1.80 | 0.00 | 600 |
| | B10SN030 | EAGLE 1605 | 300-TON DUAL COMPARTMENT SILO 238 CY CAPACTIY | | 99,816 | 24.91 | 6.27 | 8.48 | 2.03 | 0.00 | 700 |
| | B10SN031 | DC-12 | 12CY DECUMULATING AGGREG BATCHER 2-COMPARTMENT | 10 HP E | 33,831 | 9.93 | 2.13 | 2.88 | 0.69 | 0.52 | 130 |
| | B10SN032 | DC-12 | 12CY DECUMULATING AGGREG BATCHER 2-COMPARTMENT, WITH STRUCTURE FOR AGGREGATE BINS | 10 HP E | 35,025 | 10.20 | 2.20 | 2.98 | 0.71 | 0.52 | 140 |
| | | VINCE HAGAN COMPANY | | | | | | | | | |
| | B10VI001 | HT-10, 250A-45 | MOBILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE WEIGH BATCHER, 45 TON/33.3 CY AGGREGATE BIN, 10 YARD/111 CF CEMENT WEIGH BATCHER, 271 BARRELS MAX./226 BARRELS MIN. CEMENT SILO | 20 HP E | 109,078 | 28.55 | 6.69 | 8.94 | 2.22 | 1.04 | 425 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | B10VI002 | HT-10, 250A | MOBILE CONCRETE BATCHING PLANT WITH 10 CY AGGREGATE WEIGH BATCHER, NO OVERHEAD AGGREGATE BIN, 10 YARD/111 CF CEMENT WEIGH BATCHER, 262 BARRELS MAX./218 BARRELS MIN. CEMENT SILO | 15 HP E | 81,851 | 21.32 | 5.02 | 6.72 | 1.66 | 0.78 | 400 |
| | B10VI003 | HSM-10,000A | STATIONARY MODULAR CONCRETE BATCH PLANT, 10 CY AGGREGATE WEIGH BATCHER, NO OVERHEAD AGGREGATE BIN, 10 YARD/111 CF CEMENT WEIGH BATCHER, NO CEMENT SILO | 15 HP E | 75,320 | 19.81 | 4.61 | 6.16 | 1.53 | 0.78 | 375 |
| | 0.30 PUGMILL | | | | | | | | | | |
| | | KOLMAN | | | | | | | | | |
| | B10KL001 | Model 707 | PORT. PUG. W/24" BELT X 50'CONVEYOR 8 CY HOPPER,& ASPHALT PUMPING SYST. | 110 HP D | 85,059 | 24.85 | 5.25 | 7.04 | 1.73 | 3.80 | 235 |
| | B10KL004 | Model 707 | PORT. PUG. W/30" BELT X 50'CONVEYOR 10 CY HOPPER,& ASPHALT PUMPING SYST. | 110 HP D | 87,260 | 25.38 | 5.38 | 7.21 | 1.77 | 3.80 | 250 |
| | B10KL005 | Model 707 | PORT. PUG. W/36" BELT X 50'CONVEYOR 10 CY HOPPER,& ASPHALT PUMPING SYST. | 110 HP D | 90,807 | 26.27 | 5.59 | 7.47 | 1.85 | 3.80 | 266 |
| **B15** | **BROOMS, STREET SWEEPERS & FLUSHERS** | | | | | | | | | | |
| | | ALLMAND BROS. | | | | | | | | | |
| | B15AB001 | MODEL 6600 | MAXI-SWEEP, 7.5'MAX WIDTH,SELF-PROP | 76 HP D | 33,638 | 11.77 | 2.37 | 3.30 | 0.72 | 2.63 | 65 |
| | | INGRAM | | | | | | | | | |
| | B15IG001 | POWERBROOM | POWER BROOM, 8', SELF-PROPELLED | 76 HP D | 25,999 | 9.92 | 1.79 | 2.46 | 0.56 | 2.63 | 40 |
| | | M-B | | | | | | | | | |
| | B15MB001 | MT | SWEEPER,HYDR LIFT,7 FT,ADD TRACTOR PTO DRIVE W/SPRINKLER | | 4,072 | 1.11 | 0.30 | 0.41 | 0.09 | 0.00 | 10 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | B15MB002 | HT | SWEEPER,HYDR LIFT,7 FT,ADD TRACTOR HYDRAULIC DRIVE W/SPRINKLER | | 6,863 | 1.83 | 0.50 | 0.69 | 0.15 | 0.00 | 14 |
| | B15MB003 | 53T | SWEEPER, HYDR LIFT, 7 FT, TOWED MECH DRIVE W/SPRINKLER | | 7,475 | 2.06 | 0.52 | 0.71 | 0.16 | 0.00 | 18 |
| | B15MB004 | 53MH | SWEEPER, HYDR LIFT, 7 FT, TOWED MOTOR DRIVEN W/SPRINKLER | 18 HP G | 8,483 | 4.44 | 0.59 | 0.81 | 0.18 | 1.85 | 17 |
| | | ROSCO | | | | | | | | | |
| | B15RS001 | RB-38 | STREET SWEEPER, 8' BRUSH,SELF-PROP. | 76 HP D | 25,947 | 9.88 | 1.84 | 2.55 | 0.56 | 2.63 | 55 |
| | B15RS002 | MTA-H | STREET FLUSHER, 1,600 GAL, TRK MTD (ADD 18,000 TO 24,000 GVW TRUCK) | | 23,161 | 6.19 | 1.66 | 2.32 | 0.50 | 0.00 | 46 |
| | B15RS003 | MTA-H | STREET FLUSHER, 2,500 GAL, TRK MTD (ADD 24,000 TO 32,000 GVW TRUCK) | | 25,370 | 6.84 | 1.82 | 2.54 | 0.55 | 0.00 | 54 |
| | B15RS004 | MTA-H | STREET FLUSHER, 3500 GAL, TRK MTD (ADD 42,000 GVW TRUCK) | | 26,906 | 7.31 | 1.93 | 2.69 | 0.58 | 0.00 | 60 |
| **B20** | **BRUSH CHIPPERS** | | | | | | | | | | |
| | | CHIPMORE | | | | | | | | | |
| | B20CI001 | TM-30 | SMALL CHIPPER, TRAILER-MOUNTED | 18 HP G | 5,130 | 3.87 | 0.36 | 0.50 | 0.11 | 1.85 | 9 |
| | B20CI002 | TM-32 | 6" CAPACITY, TRAILER-MOUNTED | 30 HP G | 10,043 | 6.85 | 0.72 | 0.99 | 0.22 | 3.08 | 21 |
| | B20CI003 | TM-120-G-6 | 12" CAPACITY, TRAILER-MOUNTED | 60 HP G | 12,645 | 11.74 | 0.89 | 1.24 | 0.27 | 6.15 | 36 |
| | B20CI004 | TM-120-D2 | 12" CAPACITY, TRAILER-MOUNTED | 76 HP D | 14,404 | 7.25 | 1.02 | 1.42 | 0.31 | 2.63 | 42 |
| | B20CI005 | TM-80-GI | 6" CAPACITY, TRAILER-MOUNTED | 37 HP G | 9,783 | 7.77 | 0.69 | 0.96 | 0.21 | 3.79 | 37 |
| | B20CI006 | TM-160-D4 | 16" CAPACITY, TRAILER-MOUNTED | 76 HP D | 14,759 | 7.34 | 1.05 | 1.45 | 0.32 | 2.63 | 44 |
| | B20CI007 | TM-400-D4 | 16" CAPACITY ,TWIN-FEED, TRLR-MTD | 76 HP D | 15,282 | 7.47 | 1.08 | 1.50 | 0.33 | 2.63 | 44 |
| | | VERMEER | | | | | | | | | |
| | B20VE001 | 1600A | 6" DIAMETER LOG CAPACITY, TRLR MTD | 99 HP G | 15,113 | 17.90 | 1.08 | 1.49 | 0.33 | 10.15 | 46 |
| | B20VE002 | 1250 | 12" DIAMETER LOG CAPACITY, TRLR MTD | 96 HP G | 20,630 | 18.90 | 1.46 | 2.03 | 0.44 | 9.84 | 51 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| **B25** | **BUCKETS, CLAMSHELL** | | | | | | | | | |
| | | ESCO | | | | | | | | |
| | B25ES001 | GPS-5R26 | .625 CY, GEN. PURPOSE/SQUARE NOSE | 12,952 | 2.52 | 0.81 | 1.10 | 0.26 | 0.00 | 28 |
| | B25ES002 | GPS-6R32 | .750 CY, GEN. PURPOSE/SQUARE NOSE | 13,833 | 2.70 | 0.87 | 1.18 | 0.28 | 0.00 | 32 |
| | B25ES003 | GPS-7R34 | .875 CY, GEN. PURPOSE/SQUARE NOSE | 15,220 | 2.96 | 0.96 | 1.29 | 0.31 | 0.00 | 40 |
| | B25ES004 | GPS-9R38 | 1.125 CY, GEN. PURPOSE/SQUARE NOSE | 16,351 | 3.18 | 1.03 | 1.39 | 0.33 | 0.00 | 44 |
| | B25ES005 | GPS-12R41 | 1.500 CY, GEN. PURPOSE/SQUARE NOSE | 17,532 | 3.42 | 1.11 | 1.49 | 0.36 | 0.00 | 47 |
| | B25ES006 | GPS-14R43 | 1.750 CY, GEN. PURPOSE/SQUARE NOSE | 23,480 | 4.58 | 1.48 | 2.00 | 0.48 | 0.00 | 65 |
| | B25ES007 | GPS-17R46 | 2.125 CY, GEN. PURPOSE/SQUARE NOSE | 25,791 | 5.02 | 1.62 | 2.19 | 0.52 | 0.00 | 68 |
| | B25ES008 | GPS-19R48 | 2.375 CY, GEN. PURPOSE/SQUARE NOSE | 27,222 | 5.29 | 1.71 | 2.31 | 0.55 | 0.00 | 73 |
| | B25ES009 | GPS-24R51 | 3.000 CY, GEN. PURPOSE/SQUARE NOSE | 35,456 | 6.90 | 2.23 | 3.01 | 0.72 | 0.00 | 94 |
| | B25ES010 | GPS-28R56 | 3.500 CY, GEN. PURPOSE/SQUARE NOSE | 37,546 | 7.31 | 2.36 | 3.19 | 0.76 | 0.00 | 99 |
| | B25ES011 | GPS-32R60 | 4.000 CY, GEN. PURPOSE/SQUARE NOSE | 40,637 | 7.91 | 2.56 | 3.45 | 0.83 | 0.00 | 110 |
| | B25ES012 | GPS-38R60 | 4.750 CY, GEN. PURPOSE/SQUARE NOSE | 44,728 | 8.71 | 2.81 | 3.80 | 0.91 | 0.00 | 120 |
| | B25ES013 | GPS-40R60 | 5.000 CY, GEN. PURPOSE/SQUARE NOSE | 48,417 | 9.43 | 3.04 | 4.12 | 0.98 | 0.00 | 132 |
| | B25ES014 | GPS-50R67 | 6.250 CY, GEN. PURPOSE/SQUARE NOSE | 51,526 | 10.04 | 3.24 | 4.38 | 1.05 | 0.00 | 146 |
| | B25ES015 | GPS-54R67 | 6.750 CY, GEN. PURPOSE/SQUARE NOSE | 56,694 | 11.04 | 3.56 | 4.82 | 1.15 | 0.00 | 158 |
| | B25ES016 | GPS-58R67 | 7.250 CY, GEN. PURPOSE/SQUARE NOSE | 58,927 | 11.48 | 3.71 | 5.01 | 1.20 | 0.00 | 166 |
| | B25ES017 | GPS-62R72 | 7.750 CY, GEN. PURPOSE/SQUARE NOSE | 62,086 | 12.09 | 3.90 | 5.28 | 1.26 | 0.00 | 177 |
| | B25ES018 | GPS-64R72 | 8.000 CY, GEN. PURPOSE/SQUARE NOSE | 65,114 | 12.67 | 4.09 | 5.53 | 1.32 | 0.00 | 185 |
| | B25ES019 | GPS-70R72 | 8.750 CY, GEN. PURPOSE/SQUARE NOSE | 67,560 | 13.15 | 4.24 | 5.74 | 1.37 | 0.00 | 192 |
| | B25ES020 | HDS-5R26 | .625 CY, HEAVY DUTY/SQUARE NOSE | 13,368 | 2.61 | 0.84 | 1.14 | 0.27 | 0.00 | 29 |
| | B25ES021 | HDS-6R32 | .750 CY, HEAVY DUTY/SQUARE NOSE | 14,304 | 2.79 | 0.90 | 1.22 | 0.29 | 0.00 | 33 |
| | B25ES022 | HDS-7R34 | .875 CY, HEAVY DUTY/SQUARE NOSE | 19,607 | 3.82 | 1.24 | 1.67 | 0.40 | 0.00 | 43 |
| | B25ES023 | HDS-9R38 | 1.125 CY, HEAVY DUTY/SQUARE NOSE | 19,883 | 3.87 | 1.25 | 1.69 | 0.40 | 0.00 | 49 |
| | B25ES024 | HDS-12R41 | 1.500 CY, HEAVY DUTY/SQUARE NOSE | 21,080 | 4.10 | 1.33 | 1.79 | 0.43 | 0.00 | 53 |
| | B25ES025 | HDS-14R43 | 1.750 CY, HEAVY DUTY/SQUARE NOSE | 28,809 | 5.62 | 1.82 | 2.45 | 0.59 | 0.00 | 74 |
| | B25ES026 | HDS-17R46 | 2.125 CY, HEAVY DUTY/SQUARE NOSE | 30,038 | 5.85 | 1.89 | 2.55 | 0.61 | 0.00 | 78 |
| | B25ES027 | HDS-19R48 | 2.375 CY, HEAVY DUTY/SQUARE NOSE | 31,113 | 6.05 | 1.95 | 2.64 | 0.63 | 0.00 | 82 |
| | B25ES028 | HDS-24R51 | 3.000 CY, HEAVY DUTY/SQUARE NOSE | 39,543 | 7.70 | 2.48 | 3.36 | 0.80 | 0.00 | 104 |
| | B25ES029 | HDS-28R56 | 3.500 CY, HEAVY DUTY/SQUARE NOSE | 43,268 | 8.43 | 2.72 | 3.68 | 0.88 | 0.00 | 115 |
| | B25ES030 | HDS-32R60 | 4.000 CY, HEAVY DUTY/SQUARE NOSE | 49,793 | 9.69 | 3.13 | 4.23 | 1.01 | 0.00 | 126 |
| | B25ES031 | HDS-38R60 | 4.750 CY, HEAVY DUTY/SQUARE NOSE | 52,977 | 10.32 | 3.33 | 4.50 | 1.08 | 0.00 | 137 |
| | B25ES032 | HDS-40R60 | 5.000 CY, HEAVY DUTY/SQUARE NOSE | 56,906 | 11.09 | 3.58 | 4.84 | 1.16 | 0.00 | 147 |
| | B25ES033 | HDS-50R67 | 6.250 CY, HEAVY DUTY/SQUARE NOSE | 62,336 | 12.14 | 3.92 | 5.30 | 1.27 | 0.00 | 163 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | CWT |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | |
| | B25ES034 | HDS-54R67 | 6.750 CY, HEAVY DUTY/SQUARE NOSE | 65,737 | 12.81 | 4.14 | 5.59 | 1.34 | 0.00 | 172 |
| | B25ES035 | HDS-58R67 | 7.250 CY, HEAVY DUTY/SQUARE NOSE | 68,982 | 13.43 | 4.33 | 5.86 | 1.40 | 0.00 | 182 |
| | B25ES036 | HDS-62R72 | 7.750 CY, HEAVY DUTY/SQUARE NOSE | 72,638 | 14.14 | 4.57 | 6.17 | 1.48 | 0.00 | 193 |
| | B25ES037 | HDS-64R72 | 8.000 CY, HEAVY DUTY/SQUARE NOSE | 75,701 | 14.74 | 4.76 | 6.43 | 1.54 | 0.00 | 201 |
| | B25ES038 | HDS-70R72 | 8.750 CY, HEAVY DUTY/SQUARE NOSE | 78,705 | 15.33 | 4.95 | 6.69 | 1.60 | 0.00 | 209 |
| | B25ES039 | XDS-5R30 | .625 CY, XTRA-HVY DUTY/SQUARE NOSE | 16,093 | 3.14 | 1.02 | 1.37 | 0.33 | 0.00 | 36 |
| | B25ES040 | XDS-7R34 | .875 CY, XTRA-HVY DUTY/SQUARE NOSE | 22,218 | 4.33 | 1.40 | 1.89 | 0.45 | 0.00 | 52 |
| | B25ES041 | XDS-10R38 | 1.250 CY, XTRA-HVY DUTY/SQUARE NOSE | 23,131 | 4.51 | 1.46 | 1.97 | 0.47 | 0.00 | 58 |
| | B25ES042 | XDS-12R41 | 1.500 CY, XTRA-HVY DUTY/SQUARE NOSE | 24,941 | 4.86 | 1.57 | 2.12 | 0.51 | 0.00 | 63 |
| | B25ES043 | XDS-14R43 | 1.750 CY, XTRA-HVY DUTY/SQUARE NOSE | 32,770 | 6.39 | 2.07 | 2.79 | 0.67 | 0.00 | 85 |
| | B25ES044 | XDS-17R46 | 2.125 CY, XTRA-HVY DUTY/SQUARE NOSE | 35,475 | 6.91 | 2.23 | 3.02 | 0.72 | 0.00 | 92 |
| | B25ES045 | XDS-19R48 | 2.375 CY, XTRA-HVY DUTY/SQUARE NOSE | 39,919 | 7.77 | 2.51 | 3.39 | 0.81 | 0.00 | 103 |
| | B25ES046 | XDS-24R51 | 3.000 CY, XTRA-HVY DUTY/SQUARE NOSE | 44,809 | 8.73 | 2.82 | 3.81 | 0.91 | 0.00 | 121 |
| | B25ES047 | XDS-30R56 | 3.750 CY, XTRA-HVY DUTY/SQUARE NOSE | 49,936 | 9.72 | 3.14 | 4.24 | 1.02 | 0.00 | 135 |
| | B25ES048 | XDS-32R60 | 4.000 CY, XTRA-HVY DUTY/SQUARE NOSE | 55,028 | 10.72 | 3.46 | 4.68 | 1.12 | 0.00 | 149 |
| | B25ES049 | XDS-38R60 | 4.750 CY, XTRA-HVY DUTY/SQUARE NOSE | 58,307 | 11.36 | 3.67 | 4.96 | 1.19 | 0.00 | 158 |
| | B25ES050 | XDS-40R60 | 5.000 CY, XTRA-HVY DUTY/SQUARE NOSE | 60,659 | 11.81 | 3.81 | 5.16 | 1.23 | 0.00 | 168 |
| | B25ES051 | XDS-50R67 | 6.250 CY, XTRA-HVY DUTY/SQUARE NOSE | 65,551 | 12.76 | 4.12 | 5.57 | 1.33 | 0.00 | 181 |
| | B25ES052 | XDS-54R67 | 6.750 CY, XTRA-HVY DUTY/SQUARE NOSE | 69,446 | 13.52 | 4.36 | 5.90 | 1.41 | 0.00 | 193 |
| | B25ES053 | XDS-58R67 | 7.250 CY, XTRA-HVY DUTY/SQUARE NOSE | 73,011 | 14.22 | 4.59 | 6.21 | 1.48 | 0.00 | 203 |
| | B25ES054 | XDS-62R72 | 7.750 CY, XTRA-HVY DUTY/SQUARE NOSE | 77,673 | 15.12 | 4.88 | 6.60 | 1.58 | 0.00 | 220 |
| | B25ES055 | XDS-64R72 | 8.000 CY, XTRA-HVY DUTY/SQUARE NOSE | 80,401 | 15.65 | 5.05 | 6.83 | 1.63 | 0.00 | 223 |
| | B25ES056 | XDS-70R72 | 8.750 CY, XTRA-HVY DUTY/SQUARE NOSE | 83,781 | 16.31 | 5.26 | 7.12 | 1.70 | 0.00 | 241 |
| | | GENSCO | | | | | | | | |
| | B25GE001 | | 10CY HEAVY DUTY CLAMSHELL | 78,494 | 15.29 | 4.94 | 6.67 | 1.60 | 0.00 | 230 |
| | B25GE002 | | 11CY HEAVY DUTY CLAMSHELL | 83,921 | 16.34 | 5.28 | 7.13 | 1.71 | 0.00 | 250 |
| | B25GE003 | | 12CY HEAVY DUTY CLAMSHELL | 89,894 | 17.51 | 5.65 | 7.64 | 1.83 | 0.00 | 267 |
| | B25GE004 | | 13CY HEAVY DUTY CLAMSHELL | 99,569 | 19.38 | 6.25 | 8.46 | 2.02 | 0.00 | 284 |
| | B25GE005 | | 14CY HEAVY DUTY CLAMSHELL | 109,219 | 21.26 | 6.86 | 9.28 | 2.22 | 0.00 | 300 |
| | B25GE006 | | 15CY MEDIUM DUTY CLAMSHELL | 117,977 | 22.98 | 7.42 | 10.03 | 2.40 | 0.00 | 320 |
| | B25GE007 | | 16CY MEDIUM DUTY CLAMSHELL | 127,556 | 24.83 | 8.01 | 10.84 | 2.59 | 0.00 | 335 |
| | B25GE008 | | 17CY MEDIUM DUTY CLAMSHELL | 136,963 | 26.66 | 8.60 | 11.64 | 2.78 | 0.00 | 342 |
| | B25GE009 | | 18CY MEDIUM DUTY CLAMSHELL | 146,651 | 28.56 | 9.22 | 12.47 | 2.98 | 0.00 | 362 |
| | B25GE010 | | 19CY MEDIUM DUTY CLAMSHELL | 156,294 | 30.44 | 9.83 | 13.29 | 3.18 | 0.00 | 380 |
| | B25GE011 | | 20CY MEDIUM DUTY CLAMSHELL | 161,354 | 31.43 | 10.14 | 13.72 | 3.28 | 0.00 | 400 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|
| **B30 BUCKETS, CONCRETE** | | | | | | | | | | |
| 0.10 | GENERAL PURPOSE, MANUAL | | | | | | | | | |
| | | GAR-BRO | | | | | | | | |
| | B30GB001 | 433-G | 1.0 CY BUCKET | 2,107 | 0.40 | 0.13 | 0.17 | 0.04 | 0.00 | 6 |
| | B30GB002 | 442-G | 1.5 CY BUCKET | 2,842 | 0.54 | 0.18 | 0.23 | 0.06 | 0.00 | 8 |
| | B30GB003 | 462-G | 2.0 CY BUCKET | 3,409 | 0.64 | 0.21 | 0.27 | 0.07 | 0.00 | 11 |
| | B30GB004 | 493-G | 3.0 CY BUCKET | 5,085 | 0.97 | 0.32 | 0.41 | 0.11 | 0.00 | 19 |
| | B30GB005 | 4123-G | 4.0 CY BUCKET | 5,972 | 1.14 | 0.37 | 0.48 | 0.13 | 0.00 | 23 |
| 0.20 | LAYDOWN | | | | | | | | | |
| | | GAR-BRO | | | | | | | | |
| | B30GB006 | 425-A | 1.0 CY BUCKET, HEAVY DUTY, AIR GATE | 10,182 | 1.99 | 0.62 | 0.81 | 0.21 | 0.00 | 26 |
| | B30GB007 | 465-A | 2.0 CY BUCKET, HEAVY DUTY, AIR GATE | 11,533 | 2.26 | 0.70 | 0.92 | 0.24 | 0.00 | 31 |
| | B30GB008 | 495-A | 3.0 CY BUCKET, HEAVY DUTY, AIR GATE | 13,237 | 2.61 | 0.81 | 1.06 | 0.28 | 0.00 | 40 |
| | B30GB009 | 4125-A | 4.0 CY BUCKET, HEAVY DUTY, AIR GATE | 15,238 | 3.00 | 0.93 | 1.22 | 0.32 | 0.00 | 51 |
| | B30GB010 | 4155-A | 5.0 CY BUCKET, HEAVY DUTY, AIR GATE | 19,240 | 3.78 | 1.17 | 1.54 | 0.40 | 0.00 | 73 |
| 0.30 | LOWBOY | | | | | | | | | |
| | | CAMLEVER | | | | | | | | |
| | B30CR001 | LB-375 | .375 CY BUCKET, AIR OPERATED GATE | 3,137 | 0.64 | 0.20 | 0.25 | 0.07 | 0.00 | 2 |
| | B30CR002 | LB-050 | .500 CY BUCKET, AIR OPERATED GATE | 3,271 | 0.66 | 0.20 | 0.26 | 0.07 | 0.00 | 2 |
| | B30CR003 | LB-075 | .750 CY BUCKET, AIR OPERATED GATE | 3,655 | 0.74 | 0.23 | 0.29 | 0.08 | 0.00 | 3 |
| | B30CR004 | LB-100 | 1.000 CY BUCKET, AIR OPERATED GATE | 3,814 | 0.78 | 0.24 | 0.31 | 0.08 | 0.00 | 5 |
| | B30CR005 | LB-150 | 1.500 CY BUCKET, AIR OPERATED GATE | 4,510 | 0.91 | 0.27 | 0.36 | 0.09 | 0.00 | 6 |
| | B30CR006 | LB-200 | 2.000 CY BUCKET, AIR OPERATED CATE | 5,330 | 1.08 | 0.33 | 0.43 | 0.11 | 0.00 | 8 |
| | B30CR007 | LB-300 | 3.000 CY BUCKET, AIR OPERATED GATE | 6,719 | 1.37 | 0.41 | 0.54 | 0.14 | 0.00 | 12 |
| | B30CR008 | LB-400 | 4.000 CY BUCKET, AIR OPERATED GATE | 7,821 | 1.59 | 0.48 | 0.63 | 0.16 | 0.00 | 15 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0.40 LOW SLUMP | | | | | | | | | |
| | | GAR-BRO | | | | | | | | |
| | B30GB011 | 440-A | 1.0 CY BUCKET, AIR OPERATED GATE | 8,970 | 1.83 | 0.55 | 0.72 | 0.19 | 0.00 | 19 |
| | B30GB012 | 450-A | 1.5 CY BUCKET, AIR OPERATED GATE | 9,317 | 1.90 | 0.58 | 0.75 | 0.20 | 0.00 | 21 |
| | B30GB013 | 460-A | 2.0 CY BUCKET, AIR OPERATED GATE | 9,711 | 1.97 | 0.59 | 0.78 | 0.20 | 0.00 | 23 |
| | B30GB014 | 493-A | 3.0 CY BUCKET, AIR OPERATED GATE | 12,998 | 2.64 | 0.79 | 1.04 | 0.27 | 0.00 | 49 |
| | B30GB015 | 4139-A | 4.0 CY BUCKET, AIR OPERATED GATE | 13,565 | 2.76 | 0.83 | 1.09 | 0.28 | 0.00 | 52 |
| | B30GB016 | 4200-A | 6.0 CY BUCKET, AIR OPERATED GATE | 19,620 | 3.98 | 1.20 | 1.57 | 0.41 | 0.00 | 78 |
| | B30GB017 | 4250-A | 8.0 CY BUCKET, AIR OPERATED GATE | 23,542 | 4.77 | 1.43 | 1.88 | 0.49 | 0.00 | 90 |
| **B35** | **BUCKETS, DRAGLINE** | | | | | | | | | |
| | 0.10 LIGHT WEIGHT | | | | | | | | | |
| | | HENDRIX | | | | | | | | |
| | B35HE001 | LS | .75 CY BUCKET,LIGHT WT/PERFORATED | 4,655 | 1.11 | 0.35 | 0.49 | 0.10 | 0.00 | 15 |
| | B35HE002 | LS | 1.0 CY BUCKET,LIGHT WT/PERFORATED | 5,530 | 1.33 | 0.42 | 0.59 | 0.12 | 0.00 | 18 |
| | B35HE003 | LS | 1.5 CY BUCKET,LIGHT WT/PERFORATED | 6,824 | 1.62 | 0.50 | 0.72 | 0.14 | 0.00 | 26 |
| | B35HE004 | LS | 2.0 CY BUCKET,LIGHT WT/PERFORATED | 8,079 | 1.93 | 0.60 | 0.86 | 0.17 | 0.00 | 32 |
| | B35HE005 | LS | 2.5 CY BUCKET,LIGHT WT/PERFORATED | 9,480 | 2.27 | 0.71 | 1.01 | 0.20 | 0.00 | 37 |
| | B35HE006 | LS | 3.0 CY BUCKET,LIGHT WT/PERFORATED | 11,695 | 2.79 | 0.86 | 1.24 | 0.24 | 0.00 | 46 |
| | B35HE007 | LS | 3.5 CY BUCKET,LIGHT WT/PERFORATED | 12,917 | 3.08 | 0.96 | 1.37 | 0.27 | 0.00 | 50 |
| | B35HE008 | LS | 4.0 CY BUCKET,LIGHT WT/PERFORATED | 15,813 | 3.78 | 1.17 | 1.68 | 0.33 | 0.00 | 65 |
| | B35HE009 | LS | 4.5 CY BUCKET,LIGHT WT/PERFORATED | 16,449 | 3.93 | 1.22 | 1.75 | 0.34 | 0.00 | 69 |
| | B35HE010 | LS | 5.0 CY BUCKET,LIGHT WT/PERFORATED | 20,296 | 4.85 | 1.50 | 2.16 | 0.42 | 0.00 | 85 |
| | B35HE011 | LS | 6.0 CY BUCKET,LIGHT WT/PERFORATED | 21,957 | 5.24 | 1.63 | 2.33 | 0.46 | 0.00 | 90 |
| | B35HE012 | LS | 7.0 CY BUCKET,LIGHT WT/PERFORATED | 23,444 | 5.60 | 1.74 | 2.49 | 0.49 | 0.00 | 101 |
| | B35HE013 | LS | 8.0 CY BUCKET,LIGHT WT/PERFORATED | 26,668 | 6.37 | 1.98 | 2.83 | 0.56 | 0.00 | 112 |
| | B35HE014 | LS | 9.0 CY BUCKET,LIGHT WT/PERFORATED | 30,773 | 7.35 | 2.28 | 3.27 | 0.64 | 0.00 | 128 |
| | B35HE015 | LS | 10.0 CY BUCKET,LIGHT WT/PERFORATED | 33,446 | 7.99 | 2.48 | 3.55 | 0.70 | 0.00 | 139 |
| | B35HE016 | LS | 12.0 CY BUCKET,LIGHT WT/PERFORATED | 41,028 | 9.80 | 3.04 | 4.36 | 0.86 | 0.00 | 166 |
| | B35HE017 | LS | 14.0 CY BUCKET,LIGHT WT/PERFORATED | 47,172 | 11.27 | 3.50 | 5.01 | 0.99 | 0.00 | 191 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|
| | | SAUERMAN | | | | | | | | |
| | B35SA001 | SC-1050-K | 1.0 CY BUCKET,L WT,CRECENT SCRAPER | 11,391 | 2.72 | 0.85 | 1.21 | 0.24 | 0.00 | 15 |
| | B35SA002 | SC-1060-K | 1.5 CY BUCKET,L WT,CRECENT SCRAPER | 13,693 | 3.27 | 1.02 | 1.45 | 0.29 | 0.00 | 20 |
| | B35SA003 | SC-1070-K | 2.0 CY BUCKET,L WT,CRECENT SCRAPER | 17,076 | 4.08 | 1.27 | 1.81 | 0.36 | 0.00 | 25 |
| | B35SA004 | SC-1090-K | 3.0 CY BUCKET,L WT,CRECENT SCRAPER | 25,313 | 6.05 | 1.88 | 2.69 | 0.53 | 0.00 | 36 |
| | B35SA005 | SC-1100-K | 4.0 CY BUCKET,L WT,CRECENT SCRAPER | 30,761 | 7.35 | 2.28 | 3.27 | 0.64 | 0.00 | 49 |
| | B35SA006 | SC-1110-K | 5.0 CY BUCKET,L WT,CRECENT SCRAPER | 36,812 | 8.79 | 2.73 | 3.91 | 0.77 | 0.00 | 58 |
| | B35SA007 | SC-1120-K | 6.0 CY BUCKET,L WT,CRECENT SCRAPER | 40,431 | 9.66 | 2.99 | 4.30 | 0.84 | 0.00 | 68 |
| | B35SA008 | SC-1130-K | 8.0 CY BUCKET,L WT,CRECENT SCRAPER | 48,949 | 11.69 | 3.62 | 5.20 | 1.02 | 0.00 | 88 |
| | B35SA009 | SC-1140-K | 10.0 CY BUCKET,L WT,CRECENT SCRAPER | 58,001 | 13.85 | 4.29 | 6.16 | 1.21 | 0.00 | 106 |
| | B35SA010 | SC-1150-K | 12.0 CY BUCKET,L WT,CRECENT SCRAPER | 71,503 | 17.08 | 5.29 | 7.60 | 1.49 | 0.00 | 132 |
| 0.20 | MEDIUM WEIGHT | | | | | | | | | |
| | | HENDRIX | | | | | | | | |
| | B35HE018 | TS | .75 CY BUCKET, MEDIUM WEIGHT | 5,099 | 1.09 | 0.34 | 0.48 | 0.10 | 0.00 | 17 |
| | B35HE019 | TS | 1.0 CY BUCKET, MEDIUM WEIGHT | 6,233 | 1.34 | 0.43 | 0.59 | 0.13 | 0.00 | 19 |
| | B35HE020 | TS | 1.5 CY BUCKET, MEDIUM WEIGHT | 7,767 | 1.66 | 0.53 | 0.73 | 0.16 | 0.00 | 28 |
| | B35HE021 | TS | 2.0 CY BUCKET, MEDIUM WEIGHT | 9,306 | 1.99 | 0.63 | 0.88 | 0.19 | 0.00 | 36 |
| | B35HE022 | TS | 2.5 CY BUCKET, MEDIUM WEIGHT | 10,719 | 2.29 | 0.73 | 1.01 | 0.22 | 0.00 | 41 |
| | B35HE023 | TS | 3.0 CY BUCKET, MEDIUM WEIGHT | 12,810 | 2.74 | 0.87 | 1.21 | 0.26 | 0.00 | 49 |
| | B35HE024 | TS | 3.5 CY BUCKET, MEDIUM WEIGHT | 14,151 | 3.04 | 0.96 | 1.34 | 0.29 | 0.00 | 54 |
| | B35HE025 | TS | 4.0 CY BUCKET, MEDIUM WEIGHT | 17,079 | 3.66 | 1.16 | 1.61 | 0.35 | 0.00 | 70 |
| | B35HE026 | TS | 4.5 CY BUCKET, MEDIUM WEIGHT | 18,214 | 3.90 | 1.23 | 1.72 | 0.37 | 0.00 | 72 |
| | B35HE027 | TS | 5.0 CY BUCKET, MEDIUM WEIGHT | 23,360 | 5.01 | 1.59 | 2.21 | 0.48 | 0.00 | 93 |
| | B35HE028 | TS | 6.0 CY BUCKET, MEDIUM WEIGHT | 24,134 | 5.18 | 1.64 | 2.28 | 0.50 | 0.00 | 96 |
| | B35HE029 | TS | 7.0 CY BUCKET, MEDIUM WEIGHT | 27,575 | 5.91 | 1.87 | 2.60 | 0.57 | 0.00 | 111 |
| | B35HE030 | TS | 8.0 CY BUCKET, MEDIUM WEIGHT | 30,356 | 6.51 | 2.06 | 2.87 | 0.62 | 0.00 | 122 |
| | B35HE031 | TS | 9.0 CY BUCKET, MEDIUM WEIGHT | 36,391 | 7.80 | 2.47 | 3.44 | 0.75 | 0.00 | 149 |
| | B35HE032 | TS | 10.0 CY BUCKET, MEDIUM WEIGHT | 38,762 | 8.31 | 2.63 | 3.66 | 0.80 | 0.00 | 159 |
| | B35HE033 | TS | 12.0 CY BUCKET, MEDIUM WEIGHT | 49,391 | 10.59 | 3.35 | 4.66 | 1.02 | 0.00 | 202 |
| | B35HE034 | TS | 14.0 CY BUCKET, MEDIUM WEIGHT | 57,233 | 12.28 | 3.89 | 5.41 | 1.18 | 0.00 | 225 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.30 HEAVY WEIGHT | | | | | | | | | | |
| | | HENDRIX | | | | | | | | | |
| | B35HE035 | MH-S | 2.75 CY BUCKET, HEAVY WEIGHT | | 20,380 | 3.96 | 1.28 | 1.73 | 0.41 | 0.00 | 69 |
| | B35HE036 | MH-S | 3.0 CY BUCKET, HEAVY WEIGHT | | 21,199 | 4.13 | 1.33 | 1.80 | 0.43 | 0.00 | 72 |
| | B35HE037 | MH-S | 3.5 CY BUCKET, HEAVY WEIGHT | | 23,745 | 4.62 | 1.49 | 2.02 | 0.48 | 0.00 | 81 |
| | B35HE038 | MH-S | 4.0 CY BUCKET, HEAVY WEIGHT | | 31,786 | 6.19 | 2.00 | 2.70 | 0.65 | 0.00 | 110 |
| | B35HE039 | MH-S | 4.5 CY BUCKET, HEAVY WEIGHT | | 35,538 | 6.92 | 2.23 | 3.02 | 0.72 | 0.00 | 123 |
| | B35HE040 | MH-S | 5.0 CY BUCKET, HEAVY WEIGHT | | 36,698 | 7.15 | 2.31 | 3.12 | 0.75 | 0.00 | 127 |
| | B35HE041 | MH-S | 6.0 CY BUCKET, HEAVY WEIGHT | | 39,300 | 7.65 | 2.47 | 3.34 | 0.80 | 0.00 | 136 |
| | B35HE042 | MH-S | 7.0 CY BUCKET, HEAVY WEIGHT | | 52,248 | 10.17 | 3.28 | 4.44 | 1.06 | 0.00 | 175 |
| | B35HE043 | MH-S | 8.0 CY BUCKET, HEAVY WEIGHT | | 51,424 | 10.02 | 3.24 | 4.37 | 1.05 | 0.00 | 180 |
| | B35HE044 | MH-S | 9.0 CY BUCKET, HEAVY WEIGHT | | 65,491 | 12.75 | 4.12 | 5.57 | 1.33 | 0.00 | 234 |
| | B35HE045 | MH-S | 10.0 CY BUCKET, HEAVY WEIGHT | | 67,352 | 13.11 | 4.23 | 5.72 | 1.37 | 0.00 | 243 |
| | B35HE046 | MH-S | 12.0 CY BUCKET, HEAVY WEIGHT | | 80,102 | 15.60 | 5.04 | 6.81 | 1.63 | 0.00 | 289 |
| | B35HE047 | MH-S | 14.0 CY BUCKET, HEAVY WEIGHT | | 84,693 | 16.49 | 5.32 | 7.20 | 1.72 | 0.00 | 309 |
| C05 | CHAIN SAWS | | | | | | | | | | |
| | | HOMELITE | | | | | | | | | |
| | C05HO001 | XL925 | CHAINSAW - 31" BAR | 3 HP G | 744 | 1.85 | 0.10 | 0.16 | 0.02 | 0.43 | 1 |
| C10 | COMPACTORS, MANUALLY OPERATED | | | | | | | | | | |
| | | BOMAG | | | | | | | | | |
| | C10BO001 | BT 58 | VIBRATORY TAMPER, 9" RAMMER | 3 HP G | 2,526 | 1.76 | 0.26 | 0.40 | 0.06 | 0.43 | 1 |
| | C10BO002 | BT 68 | VIBRATORY TAMPER, 11" RAMMER | 3 HP G | 3,029 | 2.00 | 0.31 | 0.48 | 0.07 | 0.43 | 2 |
| | C10BO003 | BP 10/36 | VIBRATORY PLATE, WITH 14.2" PLATE | 4 HP G | 1,460 | 1.43 | 0.15 | 0.23 | 0.03 | 0.57 | 2 |
| | C10BO004 | BP 15/45 | VIBRATORY PLATE, WITH 17.7" PLATE | 4 HP G | 1,839 | 1.61 | 0.19 | 0.29 | 0.04 | 0.57 | 2 |
| | C10BO005 | BP 20/48D | VIBRATORY PLATE, WITH 18.9" PLATE | 4 HP D | 4,066 | 2.19 | 0.42 | 0.65 | 0.09 | 0.19 | 4 |
| | C10BO006 | BPR 30/38 | VIB REVERSIBLE PLATE, W/15" PLATE | 5 HP G | 5,767 | 3.68 | 0.59 | 0.92 | 0.13 | 0.71 | 4 |
| | C10BO007 | BPR 30/38D | VIB REVERSIBLE PLATE, W/15" PLATE | 5 HP D | 6,900 | 3.63 | 0.71 | 1.10 | 0.16 | 0.24 | 4 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | C10BO008 | BPR 50/55D | VIB REVERSIBLE PLATE, W/31.5" PLATE | 7 HP D | 10,419 | 5.45 | 1.08 | 1.67 | 0.24 | 0.34 | 9 |
| | C10BO009 | BW 55E | SINGLE DRUM, 22.1" WIDE, WALK-BEHIND | 5 HP D | 4,503 | 2.47 | 0.46 | 0.72 | 0.10 | 0.24 | 4 |
| | C10BO010 | BW 35 | DOUBLE DRUM, 15.4" WIDE, WALK-BEHIND | 4 HP D | 10,877 | 5.47 | 1.12 | 1.74 | 0.25 | 0.19 | 11 |
| | C10BO011 | BW 60S | DOUBLE DRUM, 23.6" WIDE | 8 HP D | 12,205 | 6.36 | 1.26 | 1.95 | 0.28 | 0.38 | 18 |
| | | HOMELITE | | | | | | | | | |
| | C10HO001 | HR65 | RAMMER, 11" X 13" PLATE | 4 HP G | 2,446 | 1.91 | 0.26 | 0.39 | 0.06 | 0.57 | 2 |
| | C10HO002 | HR80 | RAMMER, 12" X 13" PLATE | 4 HP G | 2,745 | 2.05 | 0.28 | 0.44 | 0.06 | 0.57 | 2 |
| | C10HO003 | HCP120 | VIBRO PLATE, 23" X 22" PLATE | 5 HP G | 2,473 | 2.11 | 0.26 | 0.40 | 0.06 | 0.71 | 3 |
| | | WACKER | | | | | | | | | |
| | C10WC001 | BS 45Y | RAMMER, VIBRATORY, 10" X 13" SHOE | 4 HP G | 2,186 | 1.78 | 0.23 | 0.35 | 0.05 | 0.57 | 1 |
| | C10WC002 | GVR 151Y | RAMMER, VIBRATORY, 11" X 13" SHOE | 4 HP G | 2,854 | 2.11 | 0.30 | 0.46 | 0.07 | 0.57 | 2 |
| | C10WC003 | BS 65Y | RAMMER, VIBRATORY, 13" X 11" SHOE | 4 HP G | 3,745 | 2.54 | 0.39 | 0.60 | 0.09 | 0.57 | 2 |
| | C10WC004 | BS 105Y | RAMMER, VIBRATORY, 16" X 15" SHOE | 4 HP G | 4,438 | 2.86 | 0.46 | 0.71 | 0.10 | 0.57 | 2 |
| | C10WC005 | VPG 160B | VIBRO PLATE, 21" X 24" BASE PLATE | 4 HP G | 1,648 | 1.52 | 0.17 | 0.26 | 0.04 | 0.57 | 2 |
| | C10WC006 | BPS 2550 K | VIBRO PLATE,19.5" X 25.5"BASE PLATE | 7 HP G | 2,881 | 2.67 | 0.30 | 0.46 | 0.07 | 1.00 | 3 |
| | C10WC007 | BPU 3345R | VIBRO PLATE,23.5" X 35.5"BASE PLATE | 7 HP G | 8,026 | 5.14 | 0.83 | 1.28 | 0.19 | 1.00 | 7 |
| | C10WC008 | DPU 3345H | VIBRO PLATE,23.5" X 35.5"BASE PLATE | 6 HP D | 12,407 | 6.35 | 1.29 | 1.99 | 0.29 | 0.29 | 7 |
| | C10WC009 | DPU 6760 | VIBRO PLATE,31.5" X 42" BASE PLATE | 14 HP D | 23,628 | 12.23 | 2.44 | 3.78 | 0.55 | 0.67 | 13 |
| | C10WC010 | RSS 800A | 28.3" WIDE X 22" DIA. VIB ROLLER SINGLE DRUM, WALK-BEHIND | 11 HP G | 10,253 | 6.95 | 1.06 | 1.64 | 0.24 | 1.57 | 11 |
| | C10WC011 | W 55 T | 29.5" WIDE X 17.3 DIA. VIB ROLLER DOUBLE DRUM, WALK-BEHIND | 8 HP D | 14,758 | 7.59 | 1.52 | 2.36 | 0.34 | 0.38 | 17 |
| | C10WC012 | W 74 T | 29.5" WIDE X 17.3 DIA. VIB ROLLER DOUBLE DRUM, WALK-BEHIND | 8 HP D | 16,804 | 8.58 | 1.74 | 2.69 | 0.39 | 0.38 | 19 |
| | C10WC013 | WDH 86-110(PAD) | 34" WIDE X 20.5 DIA. VIB ROLLER HYDRAULIC, DOUBLE DRUM, WALK-BEHIND | 12 HP D | 33,695 | 16.95 | 3.48 | 5.39 | 0.78 | 0.58 | 28 |
| **C15 CONCRETE BLASTERS** | | | | | | | | | | | |
| | | BLASTRAC | | | | | | | | | |
| | C15BL001 | 1-8D & SHOP VAC | 8" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECTOR (ADD 4KVA GEN) | | 7,227 | 2.97 | 0.64 | 0.96 | 0.16 | 0.00 | 2 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | C15BL002 | 1-8DP & 100-DC | 8" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECTOR (ADD 5KVA GEN) | | 13,950 | 5.47 | 1.24 | 1.86 | 0.31 | 0.00 | 4 |
| | C15BL003 | 1-10D & 654-DC | 10" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN) | | 28,319 | 11.18 | 2.52 | 3.78 | 0.63 | 0.00 | 16 |
| | C15BL004 | 1-15D & 654-DC | 15" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 30 KVA GEN) | | 39,936 | 15.39 | 3.55 | 5.32 | 0.89 | 0.00 | 17 |
| | C15BL005 | 1-20D & 854-DC | 20" PATH, BLAST CLEANING SYS, PORT INCLS DUST COLLECT (ADD 75 KVA GEN) | | 51,570 | 19.63 | 4.59 | 6.88 | 1.15 | 0.00 | 30 |
| **C20 CONCRETE BUGGIES** | | | | | | | | | | | |
| | | AEROIL PRODUCTS | | | | | | | | | |
| | C20AE001 | BUFFALO 800 | WALK-BEHIND W/DUMP HOPPER, 800# CAP | 5 HP G | 2,481 | 1.65 | 0.26 | 0.40 | 0.06 | 0.55 | 3 |
| | | MULTIQUIP | | | | | | | | | |
| | C20MU001 | WBH-12 | 12 CF BUCKET, WALK & RIDE | 8 HP G | 6,393 | 3.45 | 0.62 | 0.94 | 0.15 | 0.88 | 18 |
| | C20MU002 | WBH-16E | 16 CF BUCKET, WALK & RIDE | 11 HP G | 7,916 | 4.45 | 0.78 | 1.19 | 0.18 | 1.21 | 26 |
| **C25 CONCRETE FINISHERS** | | | | | | | | | | | |
| | | STOW | | | | | | | | | |
| | C25ST001 | 36-H-804 | ROTO-TROWEL - 36", 4-BLADED | 8 HP G | 1,758 | 1.88 | 0.18 | 0.28 | 0.04 | 0.88 | 2 |
| | C25ST002 | 46-H-804 | ROTO-TROWEL - 46", 4-BLADED | 8 HP G | 1,899 | 1.93 | 0.19 | 0.30 | 0.04 | 0.88 | 2 |
| | | WACKER | | | | | | | | | |
| | C25WC001 | CT36A | POWER TROWEL, 36" DIAMETER | 5 HP G | 1,653 | 1.39 | 0.17 | 0.26 | 0.04 | 0.55 | 2 |
| | C25WC002 | CT48A | POWER TROWEL, 48" DIAMETER | 8 HP G | 2,209 | 2.05 | 0.23 | 0.35 | 0.05 | 0.88 | 3 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **C35 CONCRETE GUNITERS/SHOTCRETERS** | | | | | | | | | | | |
| | | ALLENTOWN | | | | | | | | | |
| | C35AL001 | R-450 | BATCH MIXER FOR PNEUM GUN N-1, N-2 OR GR-600; 4-5 TON/HR. INCLUDES TRAILER, HOPPER & FEEDER. (ADD 365 CFM COMPRESSOR) | 12 HP G | 17,347 | 7.19 | 1.40 | 2.06 | 0.37 | 1.43 | 33 |
| | C35AL002 | R-900 | BATCH MIXER FOR PNEUM GUN N-2, N-3, OR GR-1200; 9-10 TON/HR. INCLUDES TRAILER, HOPPER & FEEDER. (ADD 600 CFM COMPRESSOR) | 20 HP G | 20,830 | 9.51 | 1.66 | 2.43 | 0.44 | 2.39 | 47 |
| | C35AL003 | GR-600 | ROTARY GUN 1-6 CY/HR INCL. 1-1/2" HOSE, (ADD COMPRESSOR) | 550 CFM A | 10,503 | 3.34 | 0.84 | 1.23 | 0.22 | 0.00 | 8 |
| | C35AL004 | GR-1200 | ROTARY GUN 4-12 CY/HR INCL. 1-1/2" HOSE, (ADD COMPRESSOR) | 770 CFM A | 21,621 | 6.82 | 1.76 | 2.59 | 0.46 | 0.00 | 18 |
| | C35AL005 | HPR-12-10 | CONTINUOUS MIX GUNNING RIG 12 CY/HR USE W/GR-600 GUN. INCLUDES HOPPER & FEEDER. INCLUDES TRAILER | 18 HP D | 23,882 | 8.18 | 1.95 | 2.87 | 0.51 | 0.73 | 86 |
| | C35AL006 | HPR-12-13 | CONTINUOUS MIX GUNNING RIG 12 CY/HR USE W/N-1, N-2, N-3 GUNS. INCLUDES HOPPER & FEEDER. INCLUDES TRAILER | 18 HP D | 26,699 | 9.02 | 2.18 | 3.21 | 0.57 | 0.73 | 87 |
| | C35AL007 | N-1 | PNEUMATIC GUN, 4 CY/HR (ADD 1-1/4" HOSE & COMPRESSOR) | 450 CFM A | 12,961 | 4.17 | 1.07 | 1.57 | 0.28 | 0.00 | 12 |
| | C35AL008 | N-2 | PNEUMATIC GUN, 6-8 CY/HR (ADD 1-1/2" HOSE AND COMPRESSOR) | 600 CFM A | 14,017 | 4.54 | 1.15 | 1.70 | 0.30 | 0.00 | 12 |
| | C35AL009 | N-3 | PNEUMATIC GUN, 8-10 CY/HR (ADD 2" HOSE AND COMPRESSOR) | 900 CFM A | 15,454 | 5.08 | 1.27 | 1.88 | 0.33 | 0.00 | 13 |
| | C35AL010 | MODEL 30H | SHOTCRETE & CONCRETE PUMP 30 CY/HR, 950 PSI | 40 HP D | 37,707 | 13.53 | 3.08 | 4.55 | 0.80 | 1.61 | 25 |
| | C35AL011 | MODEL 40 | SHOTCRETE & CONCRETE PUMP 40 CY/HR, 950 PSI | 67 HP D | 42,839 | 16.53 | 3.50 | 5.18 | 0.91 | 2.70 | 45 |
| | | ALIVA | | | | | | | | | |
| | C35AV001 | AL 305-1 | HYDRUALIC SPRAYING ARM, SMALL UNIT (ADD TRUCK CHASIS) | 10 HP E | 59,728 | 20.97 | 4.90 | 7.25 | 1.27 | 0.60 | 33 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | C35AV002 | AL 305-5 | HYDRUALIC SPRAYING ARM, LARGE UNIT (ADD TRUCK CHASIS) | 10 HP E | 70,140 | 24.62 | 5.75 | 8.52 | 1.49 | 0.60 | 44 |
| | C35AV003 | AL 451 | SHOTCRETE REPAIR UNIT | 55 HP D | 61,085 | 23.41 | 4.99 | 7.38 | 1.30 | 2.22 | 49 |
| | C35AV004 | AL 260 | DRY MIX SPRAYING MACHINE | 33 CFM A | 36,228 | 12.45 | 2.96 | 4.37 | 0.77 | 0.00 | 24 |
| | C35AV005 | AL 260 | DRY MIX SPRAYING MACHINE | 10 HP E | 34,389 | 12.80 | 2.80 | 4.14 | 0.73 | 0.60 | 24 |
| | C35AV006 | AL 280 | WET/DRY MIX SPRAYING MACHINE | 20 HP E | 57,554 | 21.21 | 4.70 | 6.95 | 1.22 | 1.20 | 33 |
| **C40** | **CONCRETE/WASTE MIXERS** | | | | | | | | | | |
| | | MAXON INDUSTRIES | | | | | | | | | |
| | C40MX001 | 36703 | 2 CY WASTE MIXER, TRAILER MOUNTED W/ HIGH PRESSURED WATER SYSTEM | 18 HP D | 22,857 | 9.49 | 2.29 | 3.52 | 0.53 | 0.67 | 43 |
| | C40MX002 | 36704 | BARREL LOADER - 1000 LB LIFT CAPACITY ATTACHMENT FOR 36703 | | 4,270 | 2.63 | 0.44 | 0.68 | 0.10 | 0.00 | 3 |
| | C40MX003 | MCII | 4.5 CY WASTE MIXER, TRAILER MOUNTED | 52 HP D | 71,571 | 29.73 | 7.28 | 11.25 | 1.65 | 1.95 | 114 |
| | C40MX004 | MCII | 10 CY WASTE MIXER, TRAILER MOUNTED | 76 HP D | 84,668 | 35.92 | 8.63 | 13.35 | 1.95 | 2.85 | 158 |
| | C40MX005 | MCIII | 10 CY WASTE MIXER, TRAILER MOUNTED WITH 13 FT LONG X 24' BELT FEEDER | 80 HP D | 89,718 | 38.05 | 9.15 | 14.16 | 2.07 | 3.00 | 160 |
| | C40MX006 | | 12 CY AGITATOR (ADD TRK 64,000 GVW) | | 35,813 | 15.42 | 3.70 | 5.73 | 0.83 | 0.00 | 84 |
| | C40MX007 | | 9 CY AGITATOR (ADD TRK 50,000 GVW) | | 32,897 | 14.20 | 3.39 | 5.26 | 0.76 | 0.00 | 79 |
| | | ROSS COMPANY | | | | | | | | | |
| | C40RC001 | 4.5 CY TILT MIXER | 4.5 CY CONCRETE DRUM-TYPE MIXER | 40 HP E | 101,915 | 44.45 | 10.51 | 16.31 | 2.35 | 2.24 | 34 |
| | C40RC002 | 6 CY TILT MIXER | 6 CY CONCRETE DRUM-TYPE MIXER | 60 HP E | 114,645 | 51.33 | 11.81 | 18.34 | 2.64 | 3.36 | 45 |
| | C40RC003 | 8 CY TILT MIXER | 8 CY CONCRETE DRUM-TYPE MIXER | 80 HP E | 129,126 | 58.88 | 13.31 | 20.66 | 2.98 | 4.48 | 60 |
| | C40RC004 | 10 CY TILT MIXER | 10 CY CONCRETE DRUM-TYPE MIXER | 100 HP E | 140,370 | 66.21 | 14.47 | 22.46 | 3.24 | 5.60 | 75 |
| | C40RC005 | 12 CY TILT MIXER | 12 CY CONCRETE DRUM-TYPE MIXER | 120 HP E | 148,660 | 71.39 | 15.33 | 23.79 | 3.43 | 6.72 | 90 |
| | | STOW | | | | | | | | | |
| | C40ST001 | CM4 | 4 C.F., PORTABLE | 1 HP E | 1,650 | 0.92 | 0.17 | 0.26 | 0.04 | 0.06 | 5 |
| | C40ST002 | CM4 | 4 C.F., PORTABLE | 5 HP G | 1,773 | 1.43 | 0.18 | 0.28 | 0.04 | 0.55 | 4 |
| | C40ST003 | CM6 | 6 C.F., PORTABLE | 1 HP E | 2,538 | 1.31 | 0.27 | 0.41 | 0.06 | 0.06 | 7 |
| | C40ST004 | CM6 | 6 C.F., PORTABLE | 8 HP G | 2,850 | 2.31 | 0.30 | 0.46 | 0.07 | 0.88 | 7 |
| | C40ST005 | CM9 | 9 C.F., PORTABLE | 2 HP E | 3,210 | 1.70 | 0.33 | 0.51 | 0.07 | 0.11 | 8 |
| | C40ST006 | CM9 | 9 C.F., PORTABLE | 8 HP G | 3,300 | 2.48 | 0.35 | 0.53 | 0.08 | 0.88 | 8 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| **C45 CONCRETE PAVING MACHINES** | | | | | | | | | | | |
| | | GOMACO | | | | | | | | | |
| | C45GO001 | C-650-F | 24' WIDE SLIPFORM PAVER, WITH 4' FINISHING CYLINDERS | 45 HP G | 36,853 | 15.75 | 2.23 | 2.92 | 0.77 | 5.37 | 91 |
| | C45GO002 | C-650-S | 24' WIDE SLIPFORM PAVER, WITH 4' FINISHING CYLINDERS, CRAWLER MTD | 45 HP G | 63,681 | 21.85 | 3.89 | 5.09 | 1.34 | 5.37 | 126 |
| | C45GO003 | GP-1500 | 12' WIDE SLIPFORM PAVER 0-51 FT/MIN, CRAWLER MTD | 107 HP D | 132,308 | 35.78 | 8.07 | 10.58 | 2.78 | 4.31 | 280 |
| | C45GO004 | GP-2000 | 16' WIDE SLIPFORM PAVER 0-38 FT/MIN, CRAWLER MTD | 185 HP D | 179,143 | 50.60 | 10.93 | 14.33 | 3.76 | 7.46 | 340 |
| | C45GO005 | GP-2500 | 25' WIDE SLIPFORM PAVER 0-39 FT/MIN, CRAWLER MTD | 265 HP D | 254,319 | 71.97 | 15.52 | 20.35 | 5.34 | 10.68 | 500 |
| | C45GO006 | GP-3500 | 42' SLIPFORM PAVER, 2 TRACK CRAWLER | 234 HP D | 391,673 | 101.50 | 23.89 | 31.33 | 8.22 | 9.43 | 900 |
| | C45GO007 | GP-3500 | 42' SLIPFORM PAVER, 4 TRACK CRAWLER | 234 HP D | 459,333 | 116.88 | 28.02 | 36.75 | 9.64 | 9.43 | 1,150 |
| | C45GO008 | GP-5000 | 50' SLIPFORM PAVER, 2 TRACK CRAWLER | 454 HP D | 574,455 | 154.83 | 35.04 | 45.96 | 12.06 | 18.31 | 1,320 |
| | C45GO009 | GP-5000 | 50' SLIPFORM PAVER, 4 TRACK CRAWLER | 454 HP D | 652,789 | 172.61 | 39.81 | 52.22 | 13.70 | 18.31 | 1,500 |
| **C55 CONCRETE PUMPS** | | | | | | | | | | | |
| | | MORGEN | | | | | | | | | |
| | C55MO001 | MUSTANG 25 | 25 CY/HOUR, TRAILER MOUNTED | 30 HP G | 21,094 | 12.13 | 1.55 | 2.22 | 0.44 | 4.50 | 29 |
| | C55MO003 | MUSTANG 50 | 50 CY/HOUR, TRAILER MOUNTED | 110 HP D | 43,759 | 19.78 | 3.23 | 4.63 | 0.91 | 5.60 | 48 |
| | C55MO004 | MUSTANG 65 | 65 CY/HOUR, TRAILER MOUNTED | 110 HP D | 51,119 | 21.86 | 3.78 | 5.41 | 1.07 | 5.60 | 49 |
| | C55MO005 | 80N | 80 CY/HOUR, TRAILER MOUNTED | 160 HP D | 101,862 | 39.51 | 7.48 | 10.70 | 2.13 | 8.14 | 122 |
| | C55MO006 | 100N | 100 CY/HOUR, TRAILER MOUNTED | 210 HP D | 113,362 | 46.12 | 8.33 | 11.92 | 2.37 | 10.68 | 127 |
| | C55MO007 | 211-900/211-893 | 72' VERTICAL BOOM, 60 CY/HR WITH 23,100 GVW TRUCK (WITH CARRIER ENGINE) | 210 HP D<br>270 HP D | 174,861 | 63.55 | 12.85 | 18.40 | 3.65 | 10.68 | 300 |
| | C55MO008 | 211-900/208-850 | 72' VERTICAL BOOM, 90 CY/HR WITH 23,100 GVW TRUCK (WITH CARRIER ENGINE) | 210 HP D<br>270 HP D | 199,087 | 70.44 | 14.59 | 20.86 | 4.16 | 10.68 | 300 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | C55MO009 | 209-930/208-755 | 92' VERTICAL BOOM, 115 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE) | 270 HP D<br>270 HP D | 253,204 | 89.77 | 18.60 | 26.61 | 5.29 | 13.74 | 350 |
| | C55MO010 | 209-930/205-494 | 92' VERTICAL BOOM, 140 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE) | 270 HP D<br>270 HP D | 264,174 | 92.86 | 19.41 | 27.77 | 5.52 | 13.74 | 360 |
| | C55MO011 | 204-705/208-755 | 105' VERTICAL BOOM, 115 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE) | 270 HP D<br>270 HP D | 278,263 | 96.84 | 20.45 | 29.27 | 5.81 | 13.74 | 350 |
| | C55MO012 | 204-705/205-494 | 105' VERTICAL BOOM, 140 CY/HR WITH 41,300 GVW TRUCK (WITH CARRIER ENGINE) | 270 HP D<br>270 HP D | 288,921 | 99.85 | 21.24 | 30.40 | 6.04 | 13.74 | 360 |
| | | SCHWING AMERICA | | | | | | | | | |
| | C55SC001 | BPA 750 | 69 CY/HR, 859 PSI, TRAILER MTD | 68 HP D | 53,382 | 19.66 | 3.95 | 5.65 | 1.12 | 3.46 | 57 |
| | C55SC002 | BPA 2000-20R | 117 CY/HR, 1,565 PSI, TRAILER MTD | 177 HP D | 121,741 | 46.28 | 8.97 | 12.85 | 2.54 | 9.01 | 115 |
| | C55SC003 | BP 3001-18R | 103 CY/HR, 2,098 PSI, TRAILER MTD | 213 HP D | 172,253 | 62.97 | 12.71 | 18.22 | 3.60 | 10.84 | 140 |
| | C55SC004 | BP 5000-18 | 137 CY/HR, 2,098 PSI, TRAILER MTD | 354 HP D | 219,191 | 85.77 | 16.21 | 23.25 | 4.58 | 18.01 | 180 |
| | C55SC005 | BPL 900/KVM 23 | 75' BOOM, 117 CY/HR, TRUCK MTD 1,565 PSI, WITH TRUCK | 210 HP D | 216,034 | 83.05 | 15.81 | 22.59 | 4.51 | 16.58 | 359 |
| | C55SC006 | BPL 900/KVM 28 | 92' BOOM, 117 CY/HR, TRUCK MTD 1,565 PSI, WITH TRUCK | 210 HP D | 299,526 | 106.63 | 21.99 | 31.45 | 6.26 | 16.58 | 470 |
| | C55SC007 | BPL 1200/KVM 32 | 105' BOOM, 171 CY/HR, TRUCK MTD 1,285 PSI, WITH TRUCK | 230 HP D | 356,268 | 124.75 | 26.11 | 37.34 | 7.44 | 18.16 | 480 |
| | C55SC008 | BPL 1200/KVM 36 | 118' BOOM, 171 CY/HR, TRUCK MTD 1,285 PSI, WITH TRUCK | 230 HP D | 442,887 | 149.22 | 32.52 | 46.53 | 9.25 | 18.16 | 620 |
| | C55SC009 | BPL 1200/KVM 42 | 138' BOOM, 196 CY/HR, TRUCK MTD 1,184 PSI, WITH TRUCK | 350 HP D | 557,265 | 194.08 | 40.98 | 58.68 | 11.64 | 27.64 | 730 |
| **C60** | **CONCRETE SAWS (sawblade wear not included)** | | | | | | | | | | |
| | | FELKER/DRESSER | | | | | | | | | |
| | C60FE001 | FC12 | 4" DEPTH OF CUT, 12" BLADE, HANDHELD | 1 HP G | 935 | 0.52 | 0.08 | 0.12 | 0.02 | 0.14 | 1 |
| | C60FE002 | FC14 | 5" DEPTH OF CUT, 14" BLADE, HANDHELD | 2 HP G | 1,139 | 0.81 | 0.11 | 0.15 | 0.03 | 0.28 | 1 |
| | C60FE003 | 11HDCC | 4-5/8" DEPTH/CUT, 14" BLADE, COMPACT | 11 HP G | 2,827 | 3.18 | 0.25 | 0.38 | 0.06 | 1.57 | 3 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | C60FE004 | 200KMRA-14 | 4-5/8" DEPTH/CUT, 14"BLADE,MIDRANGE | 20 HP G | 5,860 | 6.04 | 0.52 | 0.78 | 0.13 | 2.85 | 6 |
| | C60FE005 | 200KMRA-18 | 6-5/8" DEPTH/CUT, 18"BLADE,MIDRANGE | 20 HP G | 5,951 | 6.07 | 0.53 | 0.79 | 0.13 | 2.85 | 6 |
| | | HOMELITE | | | | | | | | | |
| | C60HO001 | HWS814 | 5" DEPTH OF CUT, WALK-BEHIND | 8 HP G | 1,649 | 2.17 | 0.15 | 0.22 | 0.04 | 1.14 | 2 |
| | C60HO002 | HWS1414 | 5-3/4" DEPTH OF CUT, WALK-BEHIND | 14 HP G | 2,075 | 3.50 | 0.19 | 0.28 | 0.05 | 1.99 | 3 |
| | | LONGYEAR | | | | | | | | | |
| | C60LY001 | 360-10HM | WALL SAW, 1700 PSI | 10 HP G | 11,142 | 5.99 | 1.00 | 1.49 | 0.25 | 1.42 | 2 |
| | C60LY002 | 360-35HM | WALL SAW, 2500 PSI | 35 HP G | 12,357 | 11.33 | 1.11 | 1.65 | 0.28 | 4.98 | 2 |
| | C60LY003 | 800WR | 5" DEPTH OF CUT, WALK-BEHIND | 8 HP G | 1,376 | 2.06 | 0.12 | 0.18 | 0.03 | 1.14 | 2 |
| | C60LY004 | 815WR | 5" DEPTH OF CUT, WALK-BEHIND | 11 HP G | 1,724 | 2.79 | 0.16 | 0.23 | 0.04 | 1.57 | 2 |
| | C60LY005 | 815WR | 7" DEPTH OF CUT, WALK-BEHIND | 11 HP G | 1,754 | 2.79 | 0.16 | 0.23 | 0.04 | 1.57 | 2 |
| | C60LY006 | 815EB | 5" DEPTH OF CUT, WALK-BEHIND | 5 HP E | 1,898 | 1.23 | 0.17 | 0.25 | 0.04 | 0.36 | 2 |
| | C60LY007 | 1800W | 5" DEPTH OF CUT, WALK-BEHIND | 18 HP G | 6,493 | 5.88 | 0.59 | 0.87 | 0.15 | 2.56 | 8 |
| | C60LY008 | 3535W | 5" DEPTH OF CUT, WALK-BEHIND | 35 HP G | 7,975 | 9.73 | 0.71 | 1.06 | 0.18 | 4.98 | 9 |
| | C60LY009 | 6530-48 | 21" DEPTH OF CUT, WALK-BEHIND | 65 HP G | 15,001 | 18.15 | 1.34 | 2.00 | 0.34 | 9.25 | 13 |
| **C65 CONCRETE VIBRATORS** | | | | | | | | | | | |
| | | MASTER | | | | | | | | | |
| | C65MS001 | A-25010 | 2.5" DIA. HEAD (ADD COMPRESSOR) | 40 CFM A | 949 | 0.98 | 0.12 | 0.19 | 0.02 | 0.00 | 1 |
| | C65MS002 | A-30010 | 3.0" DIA. HEAD (ADD COMPRESSOR) | 64 CFM A | 1,206 | 1.25 | 0.15 | 0.24 | 0.03 | 0.00 | 1 |
| | C65MS003 | A-35010 | 3.5" DIA. HEAD (ADD COMPRESSOR) | 82 CFM A | 1,336 | 1.40 | 0.17 | 0.27 | 0.03 | 0.00 | 1 |
| | C65MS004 | A-450SH | 4.5" DIA. HEAD (ADD COMPRESSOR) | 110 CFM A | 1,485 | 1.58 | 0.19 | 0.30 | 0.04 | 0.00 | 1 |
| | C65MS005 | A-600SH | 6.0" DIA. HEAD (ADD COMPRESSOR) | 125 CFM A | 2,300 | 2.39 | 0.29 | 0.46 | 0.06 | 0.00 | 1 |
| | | WACKER | | | | | | | | | |
| | C65WC001 | IRE 57/240/180 | HI-FREQ INTERNAL,2-1/4"HD(ADD GEN) | 1 HP E | 1,377 | 1.55 | 0.17 | 0.28 | 0.03 | 0.05 | 1 |
| | C65WC002 | IRE 65/240/180 | HI-FREQ INTERNAL,2-1/2"HD(ADD GEN) | 2 HP E | 1,452 | 1.71 | 0.19 | 0.29 | 0.04 | 0.10 | 1 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **C75** | **CRANES, HYDRAULIC, SELF-PROP.** | | | | | | | | | | |
| | | | BADGER | | | | | | | | |
| | C75BA001 | 4445 | 45 TON, ROUGH TERRAIN, 4WD | 197 HP D | 423,450 | 78.50 | 20.61 | 24.53 | 8.34 | 7.94 | 781 |
| | C75BA002 | 4455 | 55 TON ROUGH TERRAIN, 4WD | 197 HP D | 429,147 | 79.09 | 20.96 | 25.02 | 8.45 | 7.94 | 792 |
| | | | BRODERSON | | | | | | | | |
| | C75BD001 | IC-80-1D | 8.5 TON YARD CRANE | 64 HP G | 64,559 | 20.56 | 3.20 | 3.86 | 1.27 | 7.64 | 144 |
| | C75BD002 | RTR-80-3C | 9.0 TON ROUGH TERRAIN, 4WD | 97 HP G | 80,522 | 28.52 | 3.99 | 4.80 | 1.59 | 11.58 | 160 |
| | C75BD003 | RTR-200-3A | 13.6 TON ROUGH TERRAIN, 4WD | 97 HP G | 103,374 | 32.24 | 5.09 | 6.10 | 2.04 | 11.58 | 289 |
| | | | GROVE | | | | | | | | |
| | C75GV001 | RT418 | 18 TON, ROUGH TERRAIN, 4WD | 105 HP D | 179,054 | 34.17 | 8.77 | 10.48 | 3.53 | 4.23 | 383 |
| | C75GV002 | RT420 | 20 TON, ROUGH TERRAIN, 4WD | 105 HP D | 179,054 | 34.17 | 8.77 | 10.48 | 3.53 | 4.23 | 383 |
| | C75GV003 | RT422 | 22 TON, ROUGH TERRAIN, 4WD | 105 HP D | 179,054 | 34.17 | 8.77 | 10.48 | 3.53 | 4.23 | 383 |
| | C75GV004 | RT58B | 15 TON, ROUGH TERRAIN, 4WD | 125 HP D | 189,979 | 36.70 | 9.37 | 11.26 | 3.74 | 5.04 | 441 |
| | C75GV005 | RT58C | 18 TON, ROUGH TERRAIN, 4WD | 125 HP D | 189,979 | 36.70 | 9.37 | 11.26 | 3.74 | 5.04 | 441 |
| | C75GV006 | RT58D | 20 TON, ROUGH TERRAIN, 4WD | 125 HP D | 189,979 | 36.70 | 9.37 | 11.26 | 3.74 | 5.04 | 441 |
| | C75GV007 | RT58E | 22 TON, ROUGH TERRAIN, 4WD | 125 HP D | 199,721 | 38.20 | 9.86 | 11.85 | 3.93 | 5.04 | 441 |
| | C75GV008 | RT522C | 22 TON, ROUGH TERRAIN, 4WD | 125 HP D | 228,532 | 44.47 | 10.85 | 12.70 | 4.50 | 5.04 | 513 |
| | C75GV009 | RT525C | 25 TON, ROUGH TERRAIN, 4WD | 125 HP D | 228,532 | 44.47 | 10.85 | 12.70 | 4.50 | 5.04 | 513 |
| | C75GV010 | RT528C | 28 TON, ROUGH TERRAIN, 4WD | 125 HP D | 228,532 | 44.47 | 10.85 | 12.70 | 4.50 | 5.04 | 513 |
| | C75GV011 | RT630B | 30 TON, ROUGH TERRAIN, 4WD | 125 HP D | 267,120 | 50.43 | 12.78 | 15.04 | 5.26 | 5.04 | 537 |
| | C75GV012 | RT740B | 40 TON, ROUGH TERRAIN, 4WD | 177 HP D | 359,684 | 65.88 | 17.61 | 21.05 | 7.08 | 7.14 | 655 |
| | C75GV013 | RT745 | 45 TON, ROUGH TERRAIN, 4WD | 177 HP D | 400,850 | 73.92 | 19.48 | 23.16 | 7.90 | 7.14 | 787 |
| | C75GV014 | RT760 | 60 TON, ROUGH TERRAIN, 4WD | 195 HP D | 460,638 | 84.58 | 22.36 | 26.57 | 9.07 | 7.86 | 858 |
| | C75GV015 | RT875 | 75 TON, ROUGH TERRAIN, 4WD | 230 HP D | 523,199 | 96.37 | 25.44 | 30.26 | 10.31 | 9.27 | 112 |
| | C75GV016 | RT990 | 90 TON, ROUGH TERRAIN, 4WD | 280 HP D | 695,923 | 125.86 | 33.02 | 38.61 | 13.71 | 11.29 | 1,364 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| | | LORAIN | | | | | | | | | |
| | C75LO001 | LRT150D | 15 TON, ROUGH TERRAIN, 4WD | 130 HP D | 225,650 | 42.90 | 11.05 | 13.21 | 4.44 | 5.24 | 477 |
| | C75LO002 | LRT180D | 18 TON, ROUGH TERRAIN, 4WD | 130 HP D | 226,203 | 43.00 | 11.09 | 13.25 | 4.46 | 5.24 | 478 |
| | C75LO003 | LRT200D | 20 TON, ROUGH TERRAIN, 4WD | 130 HP D | 232,533 | 43.97 | 11.40 | 13.63 | 4.58 | 5.24 | 478 |
| | C75LO004 | LRT230D | 23 TON, ROUGH TERRAIN, 4WD | 130 HP D | 233,056 | 44.05 | 11.42 | 13.66 | 4.59 | 5.24 | 490 |
| | C75LO005 | LRT250D | 25 TON, ROUGH TERRAIN, 4WD | 130 HP D | 231,709 | 43.84 | 11.35 | 13.58 | 4.56 | 5.24 | 510 |
| | C75LO006 | LRT275D | 27.5 TON, ROUGH TERRAIN, 4WD | 130 HP D | 237,101 | 44.68 | 11.63 | 13.91 | 4.67 | 5.24 | 520 |
| | C75LO008 | LRT330D | 35 TON, ROUGH TERRAIN, 4WD | 152 HP D | 267,232 | 50.99 | 13.02 | 15.51 | 5.26 | 6.13 | 550 |
| | | P & H/HARNISCHFEGER | | | | | | | | | |
| | C75PH001 | CN 115 | 15 TON, ROUGH TERRAIN, 4WD | 130 HP D | 217,616 | 41.49 | 10.70 | 12.82 | 4.29 | 5.24 | 437 |
| | C75PH002 | CN 118 | 18 TON, ROUGH TERRAIN, 4WD | 130 HP D | 218,179 | 41.58 | 10.73 | 12.86 | 4.30 | 5.24 | 438 |
| | C75PH003 | CN 120 | 20 TON, ROUGH TERRAIN, 4WD | 130 HP D | 218,222 | 41.58 | 10.73 | 12.86 | 4.30 | 5.24 | 439 |
| | C75PH004 | CN 122 | 22 TON, ROUGH TERRAIN, 4WD | 130 HP D | 218,266 | 41.58 | 10.73 | 12.86 | 4.30 | 5.24 | 440 |
| | C75PH005 | CN 125 | 25 TON, ROUGH TERRAIN, 4WD | 130 HP D | 239,542 | 45.05 | 11.76 | 14.07 | 4.72 | 5.24 | 500 |
| | C75PH006 | CN 30 | 30 TON, ROUGH TERRAIN, 4WD | 155 HP D | 276,204 | 52.07 | 13.58 | 16.28 | 5.44 | 6.25 | 550 |
| | C75PH007 | CN 35 | 35 TON, ROUGH TERRAIN, 4WD | 155 HP D | 277,584 | 52.30 | 13.66 | 16.37 | 5.47 | 6.25 | 560 |
| | C75PH012 | CN 150 | 50 TON, ROUGH TERRAIN, 4WD | 200 HP D | 379,103 | 71.45 | 18.48 | 22.02 | 7.47 | 8.06 | 788 |
| | C75PH013 | CN 165 | 65 TON, ROUGH TERRAIN, 4WD | 228 HP D | 482,630 | 90.00 | 23.41 | 27.80 | 9.51 | 9.19 | 955 |
| | | TADANO | | | | | | | | | |
| | C75TD002 | TR-250E | 27.5TON, ROUGH TERRAIN, 4WD | 153 HP D | 225,652 | 44.12 | 11.06 | 13.24 | 4.44 | 6.17 | 508 |
| | C75TD003 | TR-300E | 33 TON, ROUGH TERRAIN, 4WD | 190 HP D | 266,611 | 52.50 | 13.10 | 15.70 | 5.25 | 7.66 | 566 |
| | C75TD004 | TR-400E | 45 TON, ROUGH TERRAIN, 4WD | 190 HP D | 391,662 | 73.20 | 19.01 | 22.60 | 7.71 | 7.66 | 843 |
| | C75TD005 | TR-500E | 55 TON, ROUGH TERRAIN, 4WD | 190 HP D | 419,263 | 77.93 | 20.29 | 24.06 | 8.26 | 7.66 | 932 |
| | C75TD006 | TR-250XL | 25 TON, ROUGH TERRAIN, 4WD | 180 HP D | 233,930 | 46.86 | 11.49 | 13.75 | 4.61 | 7.26 | 518 |
| | C75TD007 | TR-300XL | 30 TON, ROUGH TERRAIN, 4WD | 180 HP D | 272,526 | 52.88 | 13.40 | 16.06 | 5.37 | 7.26 | 537 |
| | C75TD008 | TR-450XL | 45 TON, ROUGH TERRAIN, 4WD | 180 HP D | 410,649 | 75.69 | 19.95 | 23.71 | 8.09 | 7.26 | 843 |
| | C75TD009 | TR-600XL | 60 TON, ROUGH TERRAIN, 4WD | 180 HP D | 459,905 | 83.87 | 22.27 | 26.42 | 9.06 | 7.26 | 933 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **C80** | **CRANES, HYDRAULIC, TRUCK MTD** | | | | | | | | | | |
| | 0.01 | UNDER 26 TON | | | | | | | | | |
| | | | GROVE | | | | | | | | |
| | C80GV001 | TMS-522 | 22 TON, WITH 70' BOOM, 6X4WD | 175 HP D | 242,055 | 41.84 | 12.02 | 14.49 | 4.77 | 6.05 | 444 |
| | | | LINK BELT (FMC) | | | | | | | | |
| | C80LI001 | HTC-814 | 14 TON, WITH 80' BOOM | 200 HP D | 289,592 | 49.59 | 14.37 | 17.34 | 5.70 | 6.91 | 486 |
| | C80LI002 | HTC-825S | 25 TON, WITH 80' BOOM | 205 HP D | 276,587 | 48.06 | 13.73 | 16.56 | 5.45 | 7.08 | 499 |
| | | | P & H/HARNISCHFEGER | | | | | | | | |
| | C80PH001 | CN T-250 | 25 TON, WITH 80' BOOM | 210 HP D | 289,337 | 50.05 | 14.37 | 17.34 | 5.70 | 7.26 | 492 |
| | 0.02 | 26 TON THRU 65 TON | | | | | | | | | |
| | | | GROVE | | | | | | | | |
| | C80GV002 | TMS-527.5 | 27.5 TON, WITH 70' BOOM, 6X4WD | 175 HP D | 248,963 | 40.44 | 11.39 | 13.05 | 4.86 | 6.05 | 447 |
| | C80GV003 | TMS-528B | 28 TON, WITH 80' BOOM, 6X4WD | 185 HP D | 265,331 | 43.02 | 12.14 | 13.91 | 5.18 | 6.39 | 466 |
| | C80GV004 | TMS-250C | 35 TON, WITH 80' BOOM, 6X4WD | 185 HP D | 300,194 | 47.53 | 13.74 | 15.75 | 5.86 | 6.39 | 494 |
| | C80GV005 | TMS-300B | 40 TON, WITH 104' BOOM, 8X4WD | 205 HP D | 345,391 | 54.50 | 15.76 | 18.04 | 6.74 | 7.08 | 718 |
| | C80GV006 | TMS-475 | 50 TON, WITH 84' BOOM, 8X4WD | 205 HP D | 396,876 | 61.16 | 18.13 | 20.78 | 7.74 | 7.08 | 744 |
| | C80GV007 | TMS-760 | 60 TON, WITH 115' BOOM, 8X4WD | 251 HP D | 476,583 | 73.56 | 21.80 | 25.00 | 9.30 | 8.67 | 856 |
| | | | LINK BELT (FMC) | | | | | | | | |
| | C80LI003 | HTC-830 | 30 TON WITH 80' BOOM | 210 HP D | 307,834 | 49.70 | 14.09 | 16.15 | 6.01 | 7.26 | 505 |
| | C80LI004 | HTC-835 | 35 TON WITH 101' BOOM | 210 HP D | 320,238 | 51.30 | 14.66 | 16.81 | 6.25 | 7.26 | 525 |
| | C80LI005 | HTC-840 | 40 TON WITH 110' BOOM | 240 HP D | 368,390 | 59.05 | 16.82 | 19.26 | 7.19 | 8.29 | 721 |
| | C80LI006 | HTC-850 | 50 TON WITH 110' BOOM | 240 HP D | 403,352 | 63.58 | 18.43 | 21.11 | 7.87 | 8.29 | 730 |
| | C80LI007 | HTC-860 | 60 TON WITH 110' BOOM | 240 HP D | 420,709 | 65.86 | 19.22 | 22.01 | 8.21 | 8.29 | 767 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | P & H/HARNISCHFEGER | | | | | | | | | |
| | C80PH002 | CN T-300 | 30 TON WITH 100' BOOM | 210 HP D | 297,223 | 48.15 | 13.63 | 15.66 | 5.80 | 7.26 | 523 |
| | C80PH003 | CN T-350 | 35 TON WITH 110' BOOM | 210 HP D | 297,302 | 48.15 | 13.63 | 15.66 | 5.80 | 7.26 | 525 |
| | C80PH006 | CN T-500 | 50 TON WITH 110' BOOM | 250 HP D | 404,212 | 64.15 | 18.48 | 21.17 | 7.89 | 8.64 | 773 |
| | C80PH007 | CN T-650 | 65 TON WITH 126' BOOM | 350 HP D | 476,903 | 78.05 | 21.82 | 25.03 | 9.30 | 12.10 | 868 |
| | 0.03 | 66 TON THRU 125 TON | | | | | | | | | |
| | | GROVE | | | | | | | | | |
| | C80GV008 | TMS-875 | 75 TON, WITH 114' BOOM, 8X4WD | 251 HP D | 522,952 | 77.82 | 22.12 | 23.99 | 10.12 | 8.67 | 1,008 |
| | C80GV009 | TM-880 | 80 TON, WITH 114' BOOM, 8X4WD | 200 HP D | 598,990 | 88.43 | 25.43 | 27.67 | 11.59 | 9.68 | 1,104 |
| | | | (WITH CARRIER ENGINE) | 310 HP D | | | | | | | |
| | C80GV010 | TM-890 | 90 TON, WITH 114' BOOM , 8X4WD | 200 HP D | 608,685 | 89.91 | 25.79 | 28.01 | 11.78 | 9.63 | 1,205 |
| | | | (WITH CARRIER ENGINE) | 304 HP D | | | | | | | |
| | 0.04 | OVER 125 TON | | | | | | | | | |
| | | GROVE | | | | | | | | | |
| | C80GV011 | TM-1300 | 130 TON, WITH 140' BOOM, 12X6WD | 163 HP D | 896,536 | 121.63 | 35.80 | 37.11 | 17.24 | 8.63 | 1,672 |
| | | | (WITH CARRIER ENGINE) | 335 HP D | | | | | | | |
| | C80GV012 | TM-1500 | 150 TON, WITH 173' BOOM, 12X6WD | 163 HP D | 1,131,407 | 150.49 | 45.30 | 47.09 | 21.75 | 9.13 | 1,921 |
| | | | (WITH CARRIER ENGINE) | 391 HP D | | | | | | | |
| C85 | CRANES, MECHANICAL, CRAWLER MTD | | | | | | | | | | |
| | 0.10 | DRAGLINE, CLAMSHELL | | | | | | | | | |
| | 0.11 | 0 THRU 1 CY | | | | | | | | | |
| | | NORTHWEST | | | | | | | | | |
| | C85NO001 | 50-D/5030 | 1.0 CY,DRAGLINE/CLAM (ADD BUCKET) | 190 HP D | 333,586 | 66.13 | 18.47 | 23.63 | 6.65 | 5.11 | 930 |
| | | | 40' BOOM,15'-4"CRAWLERS W/30" SHOES | | | | | | | | |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | P & H/HARNISCHFEGER | | | | | | | | | |
| | C85PH001 | 320H | .75 CY,DRAGLINE/CLAM (ADD BUCKET) 50'BOOM, 13'-7" CRAWLERS W/30"SHOES | 93 HP D | 181,472 | 35.59 | 10.05 | 12.85 | 3.62 | 2.50 | 580 |
| 0.12 | OVER 1 CY THRU 2-1/2 CY | | | | | | | | | | |
| | | AMERICAN CRANE | | | | | | | | | |
| | C85AM002 | 5220 | 2.00 CY DRAGLINE/CLAM (ADD BUCKET) WITH 65' BOOM | 125 HP D | 428,643 | 72.90 | 21.45 | 26.02 | 8.44 | 3.36 | 910 |
| | | NORTHWEST | | | | | | | | | |
| | C85NO002 | 50-D/5035 | 1.25 CY,DRAGLINE/CLAM (ADD BUCKET) 50' BOOM,15'-4"CRAWLERS W/30" SHOES | 190 HP D | 337,381 | 60.83 | 16.89 | 20.48 | 6.65 | 5.11 | 932 |
| | C85NO003 | 50-D/5050 | 2.0 CY,DRAGLINE/CLAM (ADD BUCKET) 60' BOOM,15'-4"CRAWLERS W/30" SHOES | 238 HP D | 395,565 | 71.89 | 19.80 | 24.02 | 7.79 | 6.40 | 957 |
| | C85NO004 | 70-D/7060 | 2.5 CY,DRAGLINE/CLAM (ADD BUCKET) 50' BOOM,19'-0"CRAWLERS W/30" SHOES | 238 HP D | 557,497 | 97.65 | 27.91 | 33.85 | 10.98 | 6.40 | 1,425 |
| | | P & H/HARNISCHFEGER | | | | | | | | | |
| | C85PH002 | C-65 | 2.00 CY,DRAGLINE/CLAM (ADD BUCKET) 90'BOOM, 18'-2" CRAWLERS W/30"SHOES | 130 HP D | 380,142 | 65.37 | 19.03 | 23.08 | 7.49 | 3.49 | 1,171 |
| 0.13 | OVER 2-1/2 CY THRU 5 CY | | | | | | | | | | |
| | | AMERICAN CRANE | | | | | | | | | |
| | C85AM003 | 9225 | 4.50 CY DRAGLINE/CLAM (ADD BUCKET) WITH 95' BOOM | 289 HP D | 1,022,445 | 162.77 | 47.11 | 54.32 | 19.95 | 7.77 | 2,650 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MANITOWOC | | | | | | | | | |
| | C85MA001 | 3900 VICON | 3.5 CY,DRAGLINE/CLAM (ADD BUCKET)<br>100'BOOM, 20'-4"CRAWLERS W/38"SHOES | 287 HP D | 631,260 | 104.16 | 29.08 | 33.54 | 12.31 | 7.71 | 2,306 |
| | C85MA002 | 4100W VICON #1 | 5.0 CY,DRAGLINE/CLAM (ADD BUCKET)<br>130'BOOM, 26'-6"CRAWLERS W/48"SHOES | 360 HP D | 1,060,611 | 170.87 | 48.86 | 56.34 | 20.69 | 9.68 | 3,788 |
| | | NORTHWEST | | | | | | | | | |
| | C85NO005 | 70-D/7080 | 3.5 CY,DRAGLINE/CLAM (ADD BUCKET)<br>80' BOOM,19'-0"CRAWLERS W/30" SHOES | 238 HP D | 654,143 | 105.93 | 30.14 | 34.75 | 12.76 | 6.40 | 1,497 |
| | C85NO006 | 95-D/9570-WT | 4.0 CY,DRAGLINE/CLAM (ADD BUCKET)<br>50' BOOM,19'-0"CRAWLERS W/38" SHOES | 304 HP D | 622,463 | 103.41 | 28.68 | 33.07 | 12.14 | 8.17 | 1,580 |
| | | P & H/HARNISCHFEGER | | | | | | | | | |
| | C85PH004 | C-120 | 4.00 CY,DRAGLINE/CLAM (ADD BUCKET)<br>115'BOOM,24'-0" CRAWLERS W/36"SHOES | 260 HP D | 633,190 | 103.54 | 29.17 | 33.64 | 12.35 | 6.99 | 2,203 |
| | C85PH005 | C-165 | 5.00 CY,DRAGLINE/CLAM (ADD BUCKET)<br>135'BOOM,26'-3"CRAWLERS W/42"SHOES | 260 HP D | 831,979 | 133.28 | 38.33 | 44.20 | 16.23 | 6.99 | 2,510 |
| 0.14 | OVER 5 CY | | | | | | | | | | |
| | | AMERICAN CRANE | | | | | | | | | |
| | C85AM004 | 12220 | 37.5 TON CLAMSHELL (ADD BUCKET)<br>120'BOOM, 32'-3"CRAWLERS W/60"SHOES | 900 HP D | 2,344,059 | 364.27 | 100.71 | 110.69 | 45.36 | 24.19 | 6,670 |
| | C85AM005 | 12220 | 23 TON DRAGLINE (ADD BUCKET)<br>140'BOOM, 32'-3"CRAWLERS W/60"SHOES | 900 HP D | 2,351,296 | 365.29 | 101.02 | 111.03 | 45.50 | 24.19 | 6,566 |
| | | MANITOWOC | | | | | | | | | |
| | C85MA003 | 4600 VICON #3 | 7.0 CY,DRAGLINE/CLAM (ADD BUCKET)<br>140'BOOM,26'-1"CRAWLERS W/60"SHOES | 685 HP D | 1,670,063 | 261.04 | 71.75 | 78.86 | 32.32 | 18.41 | 5,100 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NORTHWEST | | | | | | | | | |
| | C85NO007 | 190-D | 6.5 CY,DRAGLINE (ADD BUCKET)<br>85'BOOM, 21'-1"CRAWLERS W/60" SHOES | 456 HP D | 843,978 | 135.69 | 36.26 | 39.85 | 16.33 | 12.26 | 2,740 |
| 0.20 | LIFTING | | | | | | | | | | |
| 0.21 | 0 THRU 25 TON | | | | | | | | | | |
| | | P & H/HARNISCHFEGER | | | | | | | | | |
| | C85PH006 | 320H | 25 TON LIFTING CRANE WITH 50' BOOM<br>13'-7" CRAWLERS WITH 30" SHOES | 93 HP D | 182,650 | 30.10 | 9.59 | 11.94 | 3.62 | 1.96 | 610 |
| 0.22 | 26 TON THRU 50 TON | | | | | | | | | | |
| | | AMERICAN CRANE | | | | | | | | | |
| | C85AM007 | 5220 | 50 TON LIFTCRANE WITH 65' BOOM<br>16'-0" CRAWLERS WITH 36" SHOES | 125 HP D | 440,940 | 65.46 | 21.14 | 24.99 | 8.64 | 2.64 | 1,020 |
| | | LINK BELT | | | | | | | | | |
| | C85LB002 | LS-98C | 40 TON LIFTING CRANE W/50' BOOM<br>16'-9" CRAWLERS W/30" SHOES | 120 HP D | 300,291 | 45.49 | 14.40 | 17.02 | 5.89 | 2.53 | 830 |
| | C85LB003 | LS-108C | 45 TON LIFTING CRANE W/50' BOOM<br>16'-9" CRAWLERS W/30" SHOES | 120 HP D | 358,485 | 53.69 | 17.19 | 20.31 | 7.03 | 2.53 | 850 |
| | C85LB004 | LS-110C | 50 TON LIFTING CRANE W/50' BOOM<br>18'-5" CRAWLERS W/30" SHOES | 120 HP D | 425,153 | 63.09 | 20.38 | 24.09 | 8.33 | 2.53 | 1,100 |
| | | NORTHWEST | | | | | | | | | |
| | C85NO008 | 50-D/5030 | 30 TON LIFTING CRANE W/40' BOOM<br>15'-4" CRAWLERS W/30" SHOES | 190 HP D | 305,730 | 48.07 | 14.65 | 17.32 | 5.99 | 4.01 | 869 |
| | C85NO009 | 50-D/5035 | 35 TON LIFTING CRANE W/50' BOOM<br>15'-4" CRAWLERS W/30" SHOES | 190 HP D | 308,165 | 48.42 | 14.77 | 17.46 | 6.04 | 4.01 | 872 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | C85NO010 | 50-D/5050 | 50 TON LIFTING CRANE W/60' BOOM<br>15'-4" CRAWLERS W/30" SHOES | 238 HP D | 393,659 | 61.75 | 18.88 | 22.31 | 7.72 | 5.03 | 952 |
| 0.23 | 51 TON THRU 150 TON | | | | | | | | | | |
| | | AMERICAN CRANE | | | | | | | | | |
| | C85AM008 | 5299A | 60 TON LIFTCRANE WITH 75' BOOM<br>17'-6" CRAWLERS WITH 36" SHOES | 125 HP D | 472,579 | 63.71 | 20.30 | 22.32 | 9.14 | 2.64 | 1,160 |
| | C85AM009 | 5300 | 70 TON LIFTCRANE WITH 160' BOOM<br>17'-6" CRAWLERS WITH 36" SHOES | 125 HP D | 511,039 | 68.63 | 21.96 | 24.13 | 9.89 | 2.64 | 1,290 |
| | C85AM010 | 7225 | 85 TON LIFTCRANE WITH 160' BOOM<br>18'-7" CRAWLERS WITH 38" SHOES | 213 HP D | 682,401 | 92.86 | 29.31 | 32.22 | 13.20 | 4.50 | 1,480 |
| | C85AM011 | 9225 | 150 TON LIFTCRANE WITH 190' BOOM<br>23'-9" CRAWLERS WITH 44" SHOES | 289 HP D | 1,069,698 | 144.37 | 45.96 | 50.51 | 20.70 | 6.10 | 2,750 |
| | | LINK BELT | | | | | | | | | |
| | C85LB005 | LS-138H | 75 TON LIFTING CRANE W/150' BOOM<br>19'-5" CRAWLERS W/36" SHOES | 195 HP D | 556,283 | 76.27 | 23.90 | 26.27 | 10.76 | 4.12 | 1,445 |
| | C85LB006 | LS-208H | 75 TON LIFTING CRANE W/200' BOOM<br>19'-5" CRAWLERS W/36" SHOES | 250 HP D | 646,771 | 89.30 | 27.79 | 30.54 | 12.52 | 5.28 | 1,865 |
| | C85LB007 | LS-218H | 100 TON LIFTING CRANE W/230' BOOM<br>21'-4" CRAWLERS W/36" SHOES | 247 HP D | 811,725 | 110.30 | 34.88 | 38.33 | 15.71 | 5.22 | 2,235 |
| | | MANITOWOC | | | | | | | | | |
| | C85MA004 | 3900 VICON | 100 TON LIFTING CRANE W/210' BOOM<br>20'-4" CRAWLERS W/38" SHOES | 287 HP D | 690,917 | 95.92 | 29.69 | 32.63 | 13.37 | 6.06 | 2,354 |
| | C85MA005 | 3900W VICON #2 | 140 TON LIFTING CRANE W/250' BOOM<br>24'-0" CRAWLERS W/48" SHOES | 300 HP D | 816,889 | 112.37 | 35.10 | 38.58 | 15.81 | 6.34 | 2,815 |
| | | NORTHWEST | | | | | | | | | |
| | C85NO011 | 70-D/7060 | 60 TON LIFTING CRANE W/50' BOOM<br>19'-0" CRAWLERS W/30" SHOES | 238 HP D | 548,839 | 76.46 | 23.58 | 25.92 | 10.62 | 5.03 | 1,403 |
| | C85NO012 | 70-D/7080 | 80 TON LIFTING CRANE W/160' BOOM<br>19'-0" CRAWLERS W/30" SHOES | 238 HP D | 671,871 | 92.18 | 28.87 | 31.73 | 13.00 | 5.03 | 1,524 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | C85NO013 | 95-D/9570-WT | 60 TON LIFTING CRANE W/50' BOOM 19'-0" CRAWLERS W/38" SHOES | 304 HP D | 613,969 | 86.53 | 26.38 | 28.99 | 11.88 | 6.42 | 1,565 |
| | C85NO014 | 190-D | 100 TON LIFTING CRANE W/170' BOOM 21'-1" CRAWLERS W/60" SHOES | 456 HP D | 873,103 | 123.68 | 37.51 | 41.23 | 16.89 | 9.63 | 2,872 |
| | | P & H/HARNISCHFEGER | | | | | | | | | |
| | C85PH007 | C-65 | 65 TON LIFTING CRANE W/180' BOOM 18'-2" CRAWLERS WITH 30" SHOES | 130 HP D | 409,333 | 55.77 | 17.59 | 19.33 | 7.92 | 2.75 | 1,352 |
| | C85PH009 | C-120 | 120 TON LIFTING CRANE W/230' BOOM 24'-0" CRAWLERS WITH 36" SHOES | 260 HP D | 657,483 | 90.92 | 28.25 | 31.05 | 12.72 | 5.49 | 2,340 |
| 0.24 | OVER 150 TON | | | | | | | | | | |
| | | AMERICAN CRANE | | | | | | | | | |
| | C85AM012 | 9300 | 225 TON LIFTING CRANE W/280' BOOM 26'-6" CRAWLERS WITH 44" SHOES | 279 HP D | 1,150,653 | 149.44 | 46.57 | 48.90 | 22.12 | 5.89 | 3,790 |
| | C85AM013 | 9320 | 250 TON LIFTING CRANE W/280' BOOM 28'-2" CRAWLERS WITH 50" SHOES | 279 HP D | 1,393,441 | 179.39 | 56.40 | 59.22 | 26.79 | 5.89 | 4,050 |
| | C85AM014 | 10320 | 350 TON LIFTING CRANE W/280' BOOM 31'-4" CRAWLERS WITH 50" SHOES | 519 HP D | 1,899,310 | 248.27 | 76.87 | 80.72 | 36.51 | 10.96 | 5,510 |
| | C85AM015 | 11320 | 450 TON LIFTING CRANE W/280' BOOM 26'-9" CRAWLERS WITH 60" SHOES | 519 HP D | 2,613,698 | 336.37 | 105.79 | 111.08 | 50.25 | 10.96 | 6,860 |
| | | LINK BELT | | | | | | | | | |
| | C85LB008 | LS-918 | 400 TON LIFTING CRANE W/340' BOOM 34'-10" CRAWLERS W/60" SHOES | 600 HP D | 2,958,227 | 381.05 | 119.73 | 125.72 | 56.87 | 12.67 | 6,783 |
| | C85LB009 | LS-1018 | 500 TON LIFTING CRANE W/340' BOOM 38'-6" CRAWLERS W/60" SHOES | 600 HP D | 3,541,902 | 453.03 | 143.36 | 150.53 | 68.09 | 12.67 | 8,021 |
| | C85LB010 | LS-718 | 250 TON LIFTING CRANE W/250' BOOM 27'6" CRAWLERS W/50" SHOES | 450 HP D | 1,489,053 | 195.81 | 60.27 | 63.28 | 28.63 | 9.50 | 5,156 |
| | C85LB011 | LS-818 | 300 TON LIFTING CRANE W/300' BOOM 31'6" CRAWLERS W/50" SHOES | 450 HP D | 1,716,086 | 223.80 | 69.46 | 72.93 | 32.99 | 9.50 | 5,758 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MANITOWOC | | | | | | | | | |
| | C85MA006 | 4100W VICON #1 | 200 TON LIFTING CRANE W/260' BOOM<br>26'-6" CRAWLERS W/48" SHOES | 360 HP D | 1,136,741 | 149.91 | 46.01 | 48.31 | 21.85 | 7.60 | 3,929 |
| | C85MA007 | 4600 VICON #3 | 240 TON LIFTING CRANE W/260' BOOM<br>26'-1" CRAWLERS W/60" SHOES | 685 HP D | 1,777,250 | 237.71 | 71.94 | 75.53 | 34.17 | 14.47 | 5,200 |
| | | P & H/HARNISCHFEGER | | | | | | | | | |
| | C85PH010 | C-165 | 165 TON LIFTING CRANE W/270' BOOM<br>26'-3" CRAWLERS WITH 42" SHOES | 260 HP D | 905,344 | 118.68 | 36.64 | 38.48 | 17.40 | 5.49 | 3,333 |
| | C85PH011 | DELTA 5250 | 250 TON LIFTING CRANE W/290' BOOM<br>30'-5" CRAWLERS WITH 48" SHOES | 328 HP D | 1,189,150 | 155.53 | 48.13 | 50.54 | 22.86 | 6.93 | 4,373 |
| **C90 CRANES, MECHANICAL, TRUCK MTD** | | | | | | | | | | | |
| | 0.02 | 26 TON THRU 65 TON | | | | | | | | | |
| | | LINK BELT (FMC) | | | | | | | | | |
| | C90LI001 | HC78B | 35 TON WITH 100' BOOM<br>(WITH CARRIER ENGINE) | 84 HP D<br>205 HP D | 456,547 | 65.88 | 20.88 | 23.93 | 8.91 | 4.74 | 773 |
| | C90LI002 | HC108C | 50 TON WITH 150' BOOM<br>(WITH CARRIER ENGINE) | 110 HP D<br>318 HP D | 552,500 | 81.32 | 25.16 | 28.76 | 10.78 | 6.64 | 1,197 |
| | 0.03 | 66 TON THRU 125 TON | | | | | | | | | |
| | | AMERICAN CRANE | | | | | | | | | |
| | C90AM001 | 5530 | 75 TON WITH 170' BOOM<br>(WITH CARRIER ENGINE) | 128 HP D<br>238 HP D | 588,851 | 82.93 | 25.03 | 27.28 | 11.39 | 6.55 | 1,245 |
| | C90AM002 | 7150 | 125 TON WITH 240' BOOM<br>(WITH CARRIER ENGINE) | 330 HP D<br>330 HP D | 728,918 | 110.68 | 31.01 | 33.81 | 14.10 | 14.36 | 1,900 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | LINK BELT (FMC) | | | | | | | | | |
| | C90LI003 | HC218A | 100 TON WITH 220' BOOM<br>(WITH CARRIER ENGINE) | 165 HP D<br>318 HP D | 804,101 | 112.76 | 34.18 | 37.23 | 15.56 | 8.55 | 1,688 |
| 0.04 | OVER 125 TON | | | | | | | | | | |
| | | AMERICAN CRANE | | | | | | | | | |
| | C90AM003 | 8470 | 180 TON WITH 240' BOOM<br>(WITH CARRIER ENGINE) | 268 HP D<br>305 HP D | 1,049,672 | 142.93 | 42.26 | 44.15 | 20.18 | 11.99 | 2,520 |
| | C90AM004 | 9530 | 220 TON WITH 260' BOOM<br>(WITH CARRIER ENGINE) | 268 HP D<br>450 HP D | 1,423,646 | 192.47 | 56.86 | 58.97 | 27.37 | 13.29 | 3,480 |
| | | LINK BELT (FMC) | | | | | | | | | |
| | C90LI004 | HC238B | 140 TON WITH 230' BOOM<br>(WITH CARRIER ENGINE) | 165 HP D<br>318 HP D | 978,488 | 130.46 | 39.27 | 40.92 | 18.81 | 8.55 | 2,220 |
| | C90LI005 | HC268 | 250 TON WITH 310' BOOM<br>(WITH CARRIER ENGINE) | 314 HP D<br>440 HP D | 1,595,359 | 213.59 | 64.08 | 66.81 | 30.67 | 14.79 | 2,852 |
| | | P & H/HARNISCHFEGER | | | | | | | | | |
| | C90PH001 | 9150 | 150 TON WITH 270' BOOM<br>(WITH CARRIER ENGINE) | 210 HP D<br>315 HP D | 1,033,531 | 139.05 | 41.50 | 43.26 | 19.87 | 10.07 | 1,805 |
| | C90PH002 | 6250TC | 300 TON WITH 320' BOOM<br>(WITH CARRIER ENGINE) | 378 HP D<br>450 HP D | 1,880,181 | 251.01 | 75.57 | 78.83 | 36.15 | 17.09 | 3,928 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **C95 CRANES, TOWER** | | | | | | | | | | | |
| | | LIEBHERR | | | | | | | | | |
| | C95LH001 | 88 HC | FREE STANDING TOWER CRANE<br>12 @ 8'2" TOWER SECTIONS, 132 FT<br>HOOK HEIGHT, 148 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 4,190#,<br>MAXIMUM CAPACITY = 13,230# | 62 HP E | 381,076 | 56.03 | 16.12 | 16.94 | 7.65 | 3.22 | 805 |
| | C95LH002 | 88 HC | BOTTOM CLIMB TOWER CRANE<br>9 @ 8'2" TOWER SECTIONS, 100 FT<br>HOOK HEIGHT, 148 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 4,190#,<br>MAXIMUM CAPACITY = 13,230# | 62 HP E | 419,264 | 60.83 | 17.74 | 18.63 | 8.42 | 3.22 | 701 |
| | C95LH003 | 132 HC | FREE STANDING TOWER CRANE<br>13 @ 8'2" TOWER SECTIONS, 140 FT<br>HOOK HEIGHT, 164 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 4,850#,<br>MAXIMUM CAPACITY = 17,635# | 94 HP E | 478,272 | 70.89 | 20.23 | 21.26 | 9.60 | 4.89 | 950 |
| | C95LH004 | 132 HC | BOTTOM CLIMB TOWER CRANE<br>9 @ 8'2" TOWER SECTIONS, 100 FT<br>HOOK HEIGHT, 164 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 4,850#,<br>MAXIMUM CAPACITY = 17,635# | 94 HP E | 501,620 | 73.82 | 21.22 | 22.29 | 10.07 | 4.89 | 801 |
| | C95LH005 | 200 HC | FREE STANDING TOWER CRANE<br>9 @ 13'7" TOWER SECTIONS, 163 FT<br>HOOK HEIGHT, 197 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 5,070#,<br>MAXIMUM CAPACITY = 22,045# | 121 HP E | 666,785 | 97.81 | 28.21 | 29.63 | 13.39 | 6.29 | 1,296 |
| | C95LH006 | 200 HC | BOTTOM CLIMB TOWER CRANE<br>9 @ 13'7" TOWER SECTIONS, 147 FT<br>HOOK HEIGHT, 197 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 5,070#,<br>MAXIMUM CAPACITY = 22,045# | 121 HP E | 743,382 | 107.44 | 31.44 | 33.04 | 14.92 | 6.29 | 1,207 |
| | C95LH007 | 281 HC | FREE STANDING TOWER CRANE<br>9 @ 13'7" TOWER SECTIONS, 175 FT<br>HOOK HEIGHT, 230 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 6,165#,<br>MAXIMUM CAPACITY = 26,455# | 122 HP E | 871,678 | 123.66 | 36.87 | 38.74 | 17.50 | 6.34 | 1,654 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | C95LH008 | 281 HC | BOTTOM CLIMB TOWER CRANE<br>9 @ 13'7" TOWER SECTIONS, 150 FT<br>HOOK HEIGHT, 230 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 6,615#,<br>MAXIMUM CAPACITY = 26,455# | 122 HP E | 936,387 | 131.80 | 39.61 | 41.62 | 18.80 | 6.34 | 1,504 |
| | C95LH009 | 290 HC | FREE STANDING TOWER CRANE<br>10 @ 13'7" TOWER SECTIONS, 188 FT<br>HOOK HEIGHT, 230 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 6,615#,<br>MAXIMUM CAPACITY = 26,455# | 122 HP E | 912,336 | 128.78 | 38.60 | 40.55 | 18.32 | 6.34 | 1,741 |
| | C95LH010 | 290 HC | BOTTOM CLIMB TOWER CRANE<br>9 @ 13'7" TOWER SECTIONS, 150 FT<br>HOOK HEIGHT, 230 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 6,615#,<br>MAXIMUM CAPACITY = 26,455# | 122 HP E | 958,788 | 134.61 | 40.56 | 42.61 | 19.25 | 6.34 | 1,516 |
| | C95LH011 | 390 HC | FREE STANDING TOWER CRANE<br>10 @ 19' TOWER SECTIONS, 199 FT<br>HOOK HEIGHT, 246 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 6,615#,<br>MAXIMUM CAPACITY = 35,275# | 167 HP E | 1,271,366 | 178.63 | 53.78 | 56.51 | 25.52 | 8.68 | 2,826 |
| | C95LH012 | 390 HC | BOTTOM CLIMB TOWER CRANE<br>9 @ 19' TOWER SECTIONS, 199 FT<br>HOOK HEIGHT, 246 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 6,615#,<br>MAXIMUM CAPACITY = 35,275# | 167 HP E | 1,432,411 | 198.88 | 60.59 | 63.66 | 28.76 | 8.68 | 2,397 |
| | C95LH013 | 550 HC | FREE STANDING TOWER CRANE<br>12 @ 19' TOWER SECTIONS, 237 FT<br>HOOK HEIGHT, 265 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 7,720#,<br>MAXIMUM CAPACITY = 44,090# | 170 HP E | 1,485,916 | 205.85 | 62.85 | 66.04 | 29.83 | 8.84 | 3,248 |
| | C95LH014 | 550 HC | BOTTOM CLIMB TOWER CRANE<br>9 @ 19' TOWER SECTIONS, 199 FT<br>HOOK HEIGHT, 265 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 7,720#,<br>MAXIMUM CAPACITY = 44,090# | 170 HP E | 1,566,450 | 215.98 | 66.26 | 69.62 | 31.45 | 8.84 | 2,848 |
| | C95LH015 | 550 HC-L | FREE STANDING LUFFING TOWER CRANE<br>5 @ 19' TOWER SECTIONS, 191 FT<br>HOOK HEIGHT, 197 FT MAX HOOK RADIUS<br>CAPACITY AT MAX HOOK RAD = 15,000#,<br>MAXIMUM CAPACITY = 70,550# | 200 HP E | 2,390,131 | 324.02 | 101.10 | 106.23 | 47.98 | 10.40 | 3,721 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | C95LH016 | 550 HC-L | BOTTOM CLIMB LUFFING TOWER CRANE 6 @ 19' TOWER SECTIONS, 187 FT HOOK HEIGHT, 197 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 15,000#, MAXIMUM CAPACITY = 70,550# | 200 HP E | 2,751,473 | 369.46 | 116.39 | 122.29 | 55.24 | 10.40 | 3,896 |
| | C95LH017 | 24K | SELF-ERECTING TOWER CRANE 66 FT HOOK HEIGHT, 75 FT MAX HOOK RADIUS, CAPACITY AT MAX HOOK RAD = 1,875#, MAXIMUM CAPACITY = 3,860# | 17 HP E | 122,116 | 18.76 | 5.17 | 5.43 | 2.45 | 0.88 | 403 |
| | C95LH018 | 30K | SELF-ERECTING TOWER CRANE 66 FT HOOK HEIGHT, 98 FT MAX HOOK RADIUS, CAPACITY AT MAX HOOK RAD = 1,935#, MAXIMUM CAPACITY = 6,615# | 19 HP E | 160,495 | 23.75 | 6.79 | 7.13 | 3.22 | 0.99 | 584 |
| | C95LH019 | 66K | SELF-ERECTING TOWER CRANE 5 @ 7'10" TOWER SECTIONS, 105 FT HOOK HEIGHT, 131 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 3,040#, MAXIMUM CAPACITY = 11,025# | 33 HP E | 329,494 | 46.14 | 13.93 | 14.64 | 6.61 | 1.72 | 1,085 |
| | C95LH020 | 77K | SELF-ERECTING TOWER CRANE 5 @ 7'10" TOWER SECTIONS, 105 FT HOOK HEIGHT, 139 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 2,670#, MAXIMUM CAPACITY = 13,230# | 35 HP E | 359,111 | 50.04 | 15.19 | 15.96 | 7.21 | 1.82 | 1,249 |
| | C95LH021 | 97K | SELF-ERECTING TOWER CRANE 5 @ 7'10" TOWER SECTIONS, 105 FT HOOK HEIGHT, 148 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 3,970#, MAXIMUM CAPACITY = 26,455# | 35 HP E | 520,858 | 70.38 | 22.04 | 23.15 | 10.46 | 1.82 | 1,593 |
| | C95LH022 | 140K | SELF-ERECTING TOWER CRANE STATION. 8 @ 9'10" TOWER SECTIONS, 146 FT HOOK HEIGHT, 180 FT MAX HOOK RADIUS CAPACITY AT MAX HOOK RAD = 3,525#, MAXIMUM CAPACITY = 22,045# | 65 HP E | 660,674 | 91.43 | 27.94 | 29.36 | 13.26 | 3.38 | 1,836 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **D10 DRILLS, AIR TRACK, CRAWLER MTD** | | | | | | | | | | | |
| | | GARDNER DENVER | | | | | | | | | |
| | D10GD001 | ATD3800S/PR55A | 3.5" HOLE, 12' FEED (ADD COMPR) | 600 CFM A | 94,587 | 22.12 | 5.78 | 7.57 | 1.99 | 0.00 | 92 |
| | D10GD002 | ATD3800SPR123JA | 4.0" HOLE, 12' FEED (ADD COMPR) | 750 CFM A | 96,369 | 22.51 | 5.88 | 7.71 | 2.02 | 0.00 | 91 |
| | D10GD003 | ATD3800S/PR66B | 4.0" HOLE, 12' FEED (ADD COMPR) | 900 CFM A | 99,391 | 23.19 | 6.07 | 7.95 | 2.09 | 0.00 | 93 |
| | D10GD004 | ATD3800T/PR55A | ANGLE DRILL, 3.5" HOLE, 20' FEED (ADD COMPRESSOR) | 600 CFM A | 103,128 | 24.08 | 6.29 | 8.25 | 2.16 | 0.00 | 123 |
| | D10GD005 | ATD3800TPR123JA | ANGLE DRILL, 4.0" HOLE, 20' FEED (ADD COMPRESSOR) | 750 CFM A | 105,067 | 24.53 | 6.42 | 8.41 | 2.21 | 0.00 | 124 |
| | D10GD006 | ATD3800T/PR66B | ANGLE DRILL, 4.0" HOLE, 20' FEED (ADD COMPRESSOR) | 900 CFM A | 107,991 | 25.18 | 6.59 | 8.64 | 2.27 | 0.00 | 125 |
| | D10GD007 | SCH2500 | HYDRAULIC DRILL, 12' CHAIN FEED | 152 HP D | 182,496 | 49.85 | 11.13 | 14.60 | 3.83 | 6.57 | 144 |
| | D10GD008 | SCH3500BV1 | HYDRAULIC DRILL, 12' CHAIN FEED | 223 HP D | 259,348 | 71.24 | 15.82 | 20.75 | 5.44 | 9.63 | 125 |
| | | INGERSOLL-RAND | | | | | | | | | |
| | D101N001 | ECM360/EVL130HP | HYDRA DRILL 2.5-4.0" HOLE, 12'FEED | 215 HP D | 177,849 | 52.41 | 10.85 | 14.23 | 3.73 | 9.29 | 220 |
| | D10IN002 | ECM350/VL671 | 3.0-4.0" HOLE 12'FEED (ADD COMPR) | 900 CFM A | 111,506 | 25.97 | 6.80 | 8.92 | 2.34 | 0.00 | 131 |
| | D10IN003 | ECM350/VL140 | 2.5-4.0" HOLE 12'FEED (ADD COMPR) | 750 CFM A | 98,577 | 23.01 | 6.02 | 7.89 | 2.07 | 0.00 | 129 |
| | | SULLIVAN | | | | | | | | | |
| | D10SU001 | MAVRICK, VCR350 | 2.5" HOLE, 12' FEED (ADD COMPR) | 450 CFM A | 38,811 | 9.23 | 2.36 | 3.10 | 0.81 | 0.00 | 60 |
| | D10SU002 | RAM STD, VCR360 | 2.5"-4.0" HOLE,12' FEED (ADD COMPR) | 600 CFM A | 111,371 | 25.90 | 6.80 | 8.91 | 2.34 | 0.00 | 149 |
| | D10SU003 | RAM EXT, VCR361 | 3.0"-4.0" HOLE,12' FEED (ADD COMPR) | 850 CFM A | 117,645 | 27.32 | 7.18 | 9.41 | 2.47 | 0.00 | 205 |
| | D10SU004 | MUSTANG, VCR280 | 4.0"-5.5" HOLE,20' FEED (ADD COMPR) | 1,200 CFM A | 157,801 | 36.46 | 9.62 | 12.62 | 3.31 | 0.00 | 255 |
| **D15 DRILLS, BORING MACHINES** | | | | | | | | | | | |
| | | BOR-IT | | | | | | | | | |
| | D15BI001 | 16 | 16" DIA. AUGER, 40-FT LONG W/DIRTHD | 10 HP G | 8,750 | 3.61 | 0.53 | 0.70 | 0.18 | 1.27 | 18 |
| | D15BI002 | 20 | 20" DIA. AUGER, 40-FT LONG W/DIRTHD | 16 HP G | 13,490 | 5.66 | 0.82 | 1.08 | 0.28 | 2.03 | 21 |
| | D15BI003 | 24 | 24" DIA. AUGER, 40-FT LONG W/DIRTHD | 31 HP D | 16,320 | 5.26 | 1.00 | 1.31 | 0.34 | 1.34 | 49 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | D15BI004 | 30 | 30" DIA. AUGER, 40-FT LONG W/DIRTHD | 45 HP D | 32,778 | 9.56 | 2.00 | 2.62 | 0.69 | 1.94 | 70 |
| | D15BI005 | 36 | 36" DIA. AUGER, 40-FT LONG W/DIRTHD | 65 HP D | 43,502 | 12.99 | 2.65 | 3.48 | 0.91 | 2.81 | 90 |
| | D15BI006 | 48 | 48" DIA. AUGER, 40-FT LONG W/DIRTHD | 90 HP D | 68,807 | 19.80 | 4.19 | 5.50 | 1.44 | 3.89 | 170 |
| | D15BI007 | 60 | 60" DIA. AUGER, 40-FT LONG W/DIRTHD | 110 HP D | 90,480 | 25.57 | 5.52 | 7.24 | 1.90 | 4.75 | 250 |
| **D20 DRILLS, CORE, COLUMN MOUNTED** | | | | | | | | | | | |
| | | ACKER DRILL | | | | | | | | | |
| | D20AD001 | 610-E | 4" DIA. MAX CORE HOLE | 1 HP E | 2,414 | 0.90 | 0.17 | 0.24 | 0.05 | 0.06 | 1 |
| | D20AD002 | 930-E | 9" DIA. MAX CORE HOLE | 2 HP E | 2,987 | 1.20 | 0.21 | 0.30 | 0.06 | 0.13 | 2 |
| | D20AD003 | 1050-E | 10" DIA. MAX CORE HOLE | 3 HP E | 4,774 | 1.80 | 0.34 | 0.48 | 0.10 | 0.19 | 3 |
| | D20AD004 | 1080-E | 10" DIA. MAX CORE HOLE | 11 HP E | 10,915 | 4.82 | 0.78 | 1.09 | 0.23 | 0.70 | 6 |
| | | LONGYEAR | | | | | | | | | |
| | D20LY001 | 752/E4-230 | DRILL, WITH E4-230 MOTOR (110V) | 3 HP E | 4,602 | 1.96 | 0.33 | 0.46 | 0.10 | 0.19 | 2 |
| | D20LY002 | 42N/A4-350 | DRILL, W/A4-350 MOTOR, (ADD COMPR) | 185 CFM A | 4,913 | 1.85 | 0.36 | 0.49 | 0.11 | 0.00 | 3 |
| **D25 DRILLS, CORE, SKID MOUNTED** | | | | | | | | | | | |
| | | ACKER DRILL | | | | | | | | | |
| | D25AD001 | ACE,MODEL C | NX, 400' MAX DRILL DEPTH | 20 HP D | 29,607 | 7.77 | 1.81 | 2.37 | 0.62 | 0.86 | 35 |
| | D25AD002 | TEREDO MARK-II | NX, 1000' MAX DRILL DEPTH | 48 HP D | 40,128 | 11.69 | 2.45 | 3.21 | 0.84 | 2.07 | 45 |
| | D25AD003 | BUSH MASTER | NX, 900' MAX DRILL DEPTH | 52 HP D | 54,308 | 15.12 | 3.31 | 4.34 | 1.14 | 2.25 | 45 |
| | | DEMOLITION TECHNOLOGIES | | | | | | | | | |
| | D25DE001 | M | POWER PACK PLUS DOWELING UNIT SKID MOUNTED | 20 HP D | 16,964 | 4.93 | 1.04 | 1.36 | 0.36 | 0.86 | 3 |
| | | E-Z DRILL | | | | | | | | | |
| | D25EZ001 | 210 HORIZONTAL | HORIZONTAL DOWELLING ASSEMBLY WITH DRILL DEPTH MAXIMUM 18" ADD 100 CFM COMPRESSOR, 18-25 PSI | | 5,419 | 1.71 | 0.33 | 0.43 | 0.11 | 0.00 | 3 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | D25EZ002 | 210 MOBILE | HORIZONTAL DOWELLING ASSEMBLY W/MOBILE ASSEMBLY, 18" MAX DEPTH ADD 100 CFM COMPRESSOR. 18-25 PSI | | 5,677 | 1.78 | 0.34 | 0.43 | 0.12 | 0.00 | 3 |
| | D25EZ003 | 210 VERTICAL | HORIZONTAL DOWELLING ASSEMBLY W/VERTICAL CONVERSION KIT, 18" MAX ADD 100 CFM COMPRESSOR. 5-9 PSI | | 5,609 | 1.78 | 0.34 | 0.44 | 0.12 | 0.00 | 3 |
| | D25EZ004 | 210-3 | DOWELING MACHINE, SELF-PROPELLED ASSEMBLY, DRILL DEPTH 18" MAX ADD 100 CFM COMPRESSOR. 18-25 PSI | | 21,739 | 6.10 | 1.32 | 1.71 | 0.46 | 0.00 | 10 |
| | D25EZ005 | 210-3 L&T | DOWELING MACHINE, SELF-PROPELLED WITH LIFT AND TRAVEL ASSEMBLY DRILL DEPTH 18" MAX ADD 100 CFM COMPRESSOR. 18-25 PSI | | 23,736 | 6.60 | 1.44 | 1.87 | 0.50 | 0.00 | 12 |
| | | SPRAGUE AND HENWOOD | | | | | | | | | |
| | D25SP001 | 37 | NWG-NWM, 400' MAX | 30 HP G | 19,019 | 8.81 | 1.16 | 1.52 | 0.40 | 3.81 | 16 |
| | D25SP002 | 37-H | NWG-NWM, 500' MAX | 23 HP G | 20,547 | 8.10 | 1.25 | 1.64 | 0.43 | 2.92 | 18 |
| | D25SP003 | 40-CL | NWX, 1050' MAX, MECHANICAL | 40 HP G | 30,727 | 12.95 | 1.87 | 2.46 | 0.64 | 5.08 | 34 |
| | D25SP004 | 40-CLH | NWX, 1050' MAX, HYDRAULIC | 46 HP G | 34,021 | 14.59 | 2.07 | 2.72 | 0.71 | 5.84 | 43 |
| | D25SP005 | 142-HD | NWXL, 2500' MAX | 91 HP G | 44,031 | 23.64 | 2.68 | 3.52 | 0.92 | 11.56 | 42 |
| | D25SP006 | 20 MF | AWG/AWM 180' MAX, WITH TRAILER | 35 HP D | 26,105 | 7.82 | 1.59 | 2.07 | 0.55 | 1.51 | 59 |
| | D25SP007 | 20 MH | NWG/NWM 140' MAX, WITH TRAILER | 47 HP D | 32,479 | 9.92 | 1.97 | 2.58 | 0.68 | 2.03 | 98 |
| **D30** | **DRILLS, EARTH/AUGER** | | | | | | | | | | |
| | | DEMOLITION TECHNOLOGIES | | | | | | | | | |
| | D30DE002 | HMM55 | MOBILE DRILL PKG, SELF-CONTAINED | 30 HP D | 26,716 | 7.79 | 1.62 | 2.11 | 0.56 | 1.30 | 20 |
| | | HYDRAULIC POWER SYSTEMS | | | | | | | | | |
| | D30HD001 | H-15 | HYDRAULIC AUGER W/60'- 8"X21" LEADS 15,000 FT-LBS TORQUE, (ADD CRANE) | 210 HP D | 71,491 | 30.15 | 4.36 | 5.72 | 1.50 | 9.07 | 137 |
| | D30HD002 | H-35VT | HYDRAULIC AUGER W/60'- 8"X26" LEADS 33,000 FT-LBS TORQUE, (ADD CRANE) | 270 HP D | 124,268 | 46.49 | 7.58 | 9.94 | 2.61 | 11.66 | 163 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | D30HD003 | H-50VT | HYDRAULIC AUGER W/60'-10"X37" LEADS 50,000 FT-LBS TORQUE, (ADD CRANE) | 335 HP D | 143,085 | 55.46 | 8.73 | 11.45 | 3.00 | 14.47 | 291 |
| | | MOBILE DRILL | | | | | | | | | |
| | D30MR001 | MINUTEMAN | DRILL W/AUGER KIT, 347 FT-LB TORQUE PORTABLE | 7 HP G | 5,755 | 2.52 | 0.35 | 0.46 | 0.12 | 0.89 | 4 |
| | D30MR002 | B-24 SURVEYOR | DRILL W/AUGER KIT, 710 FT-LB TORQUE SKID-MOUNTED | 24 HP G | 15,890 | 7.77 | 0.97 | 1.27 | 0.33 | 3.05 | 20 |
| | D30MR003 | B-31 | HYDRAULIC AUGER, 3,275 FT-LB TORQUE TRAILER MOUNTED | 95 HP G | 27,672 | 22.83 | 1.67 | 2.17 | 0.58 | 12.06 | 42 |
| | D30MR004 | B-34 | HYDRAULIC AUGER, 3,275 FT-LB TORQUE TRAILER MOUNTED | 105 HP D | 33,719 | 13.65 | 2.04 | 2.66 | 0.71 | 4.54 | 55 |
| | D30MR005 | B-53 | MULTI-PURPOSE, 5,955 FT-LBS TORQUE WITH 21,000 GVW TRUCK W/PTO DRIVE | 164 HP G | 60,631 | 42.44 | 3.64 | 4.73 | 1.27 | 20.83 | 120 |
| | D30MR006 | B-57 | MULTI-PURPOSE, 7,000 FT-LBS TORQUE WITH 21,000 GVW TRUCK | 120 HP G | 66,746 | 40.62 | 4.01 | 5.22 | 1.40 | 18.50 | 130 |
| | | | (WITH CARRIER ENGINE) | 164 HP G | | | | | | | |
| | D30MR007 | B-61HD | MULTI-PURPOSE, 8,900 FT-LBS TORQUE WITH 44,300 GVW TRUCK | 120 HP G | 112,869 | 52.44 | 6.83 | 8.91 | 2.37 | 19.54 | 205 |
| | | | (WITH CARRIER ENGINE) | 216 HP G | | | | | | | |
| **D35** | **DRILLS, ROTARY BLAST HOLE** | | | | | | | | | | |
| | 0.10 | DIESEL or GASOLINE | | | | | | | | | |
| | 0.11 | 0" THRU 11" DIA. HOLE | | | | | | | | | |
| | | GARDNER DENVER | | | | | | | | | |
| | D35GD001 | RDC-16B | 3" TO 5-1/8" HOLES, CRAWLER MTD | 131 HP D | 217,222 | 44.32 | 10.64 | 12.41 | 4.43 | 5.66 | 310 |
| | D35GD002 | GD-25C | 5-1/8" TO 7-3/8" HOLES, CRWLR MTD | 250 HP D | 239,481 | 55.44 | 11.72 | 13.68 | 4.88 | 10.80 | 550 |
| | D35GD003 | GD-35B | 6" TO 8-3/4" HOLES, CRAWLER MOUNTED | 250 HP D | 301,279 | 65.73 | 14.75 | 17.22 | 6.14 | 10.80 | 550 |
| | D35GD004 | GD-45C | 6-3/4" TO 9" HOLES, CRAWLER MOUNTED | 325 HP D | 367,472 | 81.42 | 17.99 | 21.00 | 7.49 | 14.04 | 775 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | INGERSOLL-RAND | | | | | | | | | |
| | D35IN001 | DM-25 | 6 3/4" DRILLMASTER, CRAWLER MOUNTED | 450 HP D | 380,545 | 91.40 | 18.64 | 21.75 | 7.76 | 19.44 | 500 |
| | D35IN002 | T4-BH | 7-7/8" DRILLMASTER, TRUCK MOUNTED (WITH CARRIER ENGINE) | 530 HP D<br>240 HP D | 512,501 | 122.46 | 24.97 | 29.03 | 10.45 | 25.04 | 550 |
| | D35IN003 | TH-60 | 16" WATER WELL DRILL, TRUCK MOUNTED | 475 HP D | 397,682 | 96.65 | 19.37 | 22.51 | 8.11 | 20.52 | 460 |
| | | ROBBINS | | | | | | | | | |
| | D35RO001 | RRT 35 | 6-1/4" TO 8-0" HOLE, TRUCK MOUNTED | 400 HP D | 353,973 | 84.76 | 17.21 | 19.97 | 7.22 | 17.28 | 600 |
| | D35RO002 | RRT 60 | 6-3/4" TO 9-7/8" HOLE,TRUCK MOUNTED (WITH CARRIER ENGINE) | 350 HP D<br>225 HP D | 519,435 | 112.81 | 25.21 | 29.23 | 10.59 | 17.13 | 1,000 |
| | D35RO003 | RR10S | 6-3/4" TO 9" HOLE, MTD ON D9N CRWLR | 370 HP D | 428,836 | 94.44 | 20.99 | 24.50 | 8.74 | 15.98 | 1,160 |
| | D35RO004 | RR10HD | 6-3/4" TO 10 5/8" HOLE, MTD ON D9N | 370 HP D | 480,324 | 103.01 | 23.52 | 27.45 | 9.79 | 15.98 | 1,340 |
| | D35RO005 | RRC 50 | 6-1/4" TO 9-7/8" HOLE, CRAWLER MTD | 400 HP D | 402,140 | 91.87 | 19.69 | 22.98 | 8.20 | 17.28 | 1,030 |
| | 0.12 | OVER 11" DIAM. | | | | | | | | | |
| | | ROBBINS | | | | | | | | | |
| | D35RO006 | RR10XHD | 9-7/8" TO 12-1/4" HOLE, MTD ON FD50 | 525 HP D | 704,399 | 125.30 | 29.80 | 31.31 | 14.14 | 22.68 | 1,830 |
| F10 | FORK LIFTS | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | F10CA001 | M25D | 2500# @ 24" LOAD CENTER | 18 HP E | 23,365 | 5.98 | 1.41 | 1.84 | 0.49 | 0.94 | 65 |
| | F10CA002 | MC30D | 3000# @ 24" LOAD CENTER | 18 HP E | 23,974 | 6.11 | 1.44 | 1.88 | 0.50 | 0.94 | 65 |
| | F10CA003 | MC40D | 4000# @ 24" LOAD CENTER | 32 HP E | 26,132 | 7.64 | 1.57 | 2.04 | 0.55 | 1.66 | 71 |
| | F10CA004 | M50D | 5000# @ 24" LOAD CENTER | 32 HP E | 29,490 | 8.29 | 1.78 | 2.31 | 0.62 | 1.66 | 95 |
| | F10CA005 | MC60D-SA | 6000# @ 24" LOAD CENTER | 47 HP E | 34,637 | 10.48 | 2.09 | 2.72 | 0.73 | 2.44 | 105 |
| | F10CA006 | M70B | 7000# @ 24" LOAD CENTER | 53 HP E | 42,247 | 12.46 | 2.54 | 3.30 | 0.89 | 2.76 | 134 |
| | F10CA007 | M80B | 8000# @ 24" LOAD CENTER | 53 HP E | 44,205 | 12.82 | 2.67 | 3.47 | 0.93 | 2.76 | 142 |
| | F10CA008 | M100B | 10000# @ 24" LOAD CENTER | 53 HP E | 46,238 | 13.20 | 2.80 | 3.65 | 0.97 | 2.76 | 160 |
| | F10CA009 | V30D | 3000# @ 24" LOAD CENTER | 37 HP G | 22,037 | 9.15 | 1.34 | 1.75 | 0.46 | 3.79 | 61 |
| | F10CA010 | V40D | 4000# @ 24" LOAD CENTER | 48 HP G | 25,351 | 11.25 | 1.51 | 1.96 | 0.53 | 4.92 | 88 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | F10CA011 | V50D | 5000# @ 24" LOAD CENTER | 48 HP G | 27,118 | 11.63 | 1.61 | 2.07 | 0.57 | 4.92 | 95 |
| | F10CA012 | V60E | 6000# @ 24" LOAD CENTER | 63 HP G | 39,150 | 15.91 | 2.35 | 3.06 | 0.82 | 6.46 | 117 |
| | F10CA013 | V70E | 7000# @ 24" LOAD CENTER | 63 HP G | 39,603 | 16.00 | 2.38 | 3.10 | 0.83 | 6.46 | 125 |
| | F10CA014 | V80E | 8000# @ 24" LOAD CENTER | 63 HP G | 41,210 | 16.30 | 2.47 | 3.22 | 0.86 | 6.46 | 131 |
| | F10CA015 | V110 | 11000# @ 24" LOAD CENTER | 6[illegible] HP D | 58,646 | 14.36 | 3.53 | 4.59 | 1.23 | 2.28 | 180 |
| | F10CA016 | V150 | 15000# @ 24" LOAD CENTER | 70 HP D | 63,228 | 15.43 | 3.81 | 4.96 | 1.33 | 2.42 | 201 |
| | F10CA017 | V180B | 18000# @ 24" LOAD CENTER | 125 HP D | 82,720 | 21.73 | 4.94 | 6.39 | 1.74 | 4.32 | 250 |
| | F10CA018 | V200B | 20000# @ 24" LOAD CENTER | 125 HP D | 90,304 | 23.20 | 5.40 | 7.00 | 1.90 | 4.32 | 273 |
| | F10CA019 | V250B | 25000# @ 24" LOAD CENTER | 125 HP D | 97,784 | 24.60 | 5.88 | 7.65 | 2.05 | 4.32 | 342 |
| | F10CA020 | V300B | 30000# @ 24" LOAD CENTER | 125 HP D | 101,791 | 25.49 | 6.04 | 7.80 | 2.14 | 4.32 | 372 |
| | F10CA021 | R40 | 4000# @ 24" LOAD CNTR ROUGH TERRAIN | 68 HP D | 39,117 | 10.68 | 2.32 | 2.99 | 0.82 | 2.35 | 107 |
| | F10CA022 | R50 | 5000# @ 24" LOAD CNTR ROUGH TERRAIN | 68 HP D | 39,951 | 10.84 | 2.37 | 3.06 | 0.84 | 2.35 | 112 |
| | F10CA023 | R60 | 6000# @ 24" LOAD CNTR ROUGH TERRAIN | 68 HP D | 47,687 | 12.34 | 2.84 | 3.68 | 1.00 | 2.35 | 127 |
| | F10CA024 | R80 | 8000# @ 24" LOAD CNTR ROUGH TERRAIN | 68 HP D | 49,493 | 12.75 | 2.90 | 3.72 | 1.04 | 2.35 | 138 |
| | | HYSTER | | | | | | | | | |
| | F10HY001 | H30XL | 3000# CAPACITY @ 24" LOAD CENTER | 46 HP G | 21,520 | 10.25 | 1.28 | 1.66 | 0.45 | 4.72 | 58 |
| | F10HY002 | H60XL | 6000# CAPACITY @ 24" LOAD CENTER | 63 HP G | 29,401 | 14.04 | 1.76 | 2.28 | 0.62 | 6.46 | 91 |
| | F10HY003 | H110XL | 11000# CAPACITY @ 24" LOAD CENTER | 94 HP G | 47,876 | 21.71 | 2.86 | 3.71 | 1.00 | 9.64 | 147 |
| | F10HY004 | H155XL | 15500# CAPACITY @ 24" LOAD CENTER | 94 HP G | 60,017 | 24.09 | 3.59 | 4.65 | 1.26 | 9.64 | 190 |
| | F10HY005 | H210XL | 21000# CAP @ 24" LOAD CENTER, PS | 127 HP D | 76,947 | 20.70 | 4.59 | 5.93 | 1.62 | 4.39 | 291 |
| | F10HY006 | H250XL | 25000# CAP @ 24" LOAD CENTER, PS | 127 HP D | 90,536 | 23.35 | 5.39 | 6.98 | 1.90 | 4.39 | 316 |
| | F10HY007 | H300XL | 30000# CAP @ 24" LOAD CENTER, PS | 127 HP D | 92,634 | 23.74 | 5.53 | 7.17 | 1.94 | 4.39 | 367 |
| | F10HY008 | H470CS | 47000# CAP @ 48" LOAD CENTER, PS | 194 HP D | 199,359 | 47.60 | 11.88 | 15.40 | 4.18 | 6.70 | 636 |
| **G10** | **GENERATOR SETS** | | | | | | | | | | |
| | 0.10 | PORTABLE | | | | | | | | | |
| | | HOMELITE | | | | | | | | | |
| | G10HO001 | HG2500A | 2.3 KW | 5 HP G | 867 | 0.84 | 0.07 | 0.09 | 0.02 | 0.51 | 1 |
| | G10HO002 | HG3500 | 3.0 KW | 7 HP G | 1,141 | 1.16 | 0.08 | 0.12 | 0.02 | 0.72 | 2 |
| | G10HO003 | EH5500HD | 5.0 KW | 11 HP E | 1,012 | 0.79 | 0.08 | 0.11 | 0.02 | 0.57 | 2 |
| | G10HO004 | 180R162 | 5.5 KW | 11 HP G | 2,207 | 1.93 | 0.17 | 0.23 | 0.05 | 1.13 | 2 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | KOHLER | | | | | | | | | |
| | G10KH001 | 2.25MBM25 | 2.25 KW | 5 HP G | 857 | 0.84 | 0.07 | 0.09 | 0.02 | 0.51 | 1 |
| | G10KH002 | 3.5MM65 | 3.50 KW | 8 HP G | 1,028 | 1.27 | 0.08 | 0.11 | 0.02 | 0.82 | 2 |
| | G10KH003 | 5MM65 | 5.00 KW | 11 HP G | 1,322 | 1.74 | 0.10 | 0.14 | 0.03 | 1.13 | 2 |
| | | ONAN | | | | | | | | | |
| | G10ON001 | 2.5LK-3M | 2.5 KW, 120/240V | 5 HP G | 2,872 | 1.28 | 0.22 | 0.31 | 0.06 | 0.51 | 2 |
| | G10ON002 | 4.0CCK-3CP | 4.0 KW, 120/240V | 10 HP G | 3,698 | 2.13 | 0.28 | 0.39 | 0.08 | 1.03 | 4 |
| | G10ON003 | 5.0CCK-3CP | 5.0 KW, 120/240V | 10 HP G | 4,227 | 2.25 | 0.32 | 0.45 | 0.09 | 1.03 | 4 |
| | G10ON004 | 10.0CCKB-3CP | 10.0 KW, 120/240V | 20 HP G | 4,878 | 3.70 | 0.36 | 0.52 | 0.10 | 2.05 | 4 |
| 0.20 | SKID MOUNTED | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | G10CA001 | 3304B-T | 100 KW, 240/480V | 156 HP D | 20,509 | 10.82 | 1.29 | 1.74 | 0.42 | 5.39 | 34 |
| | G10CA002 | 3306B-T | 165 KW, 240/480V | 241 HP D | 25,694 | 15.57 | 1.61 | 2.18 | 0.52 | 8.33 | 49 |
| | G10CA003 | 3306B-TA | 180 KW, 240/480V | 269 HP D | 26,161 | 16.90 | 1.64 | 2.22 | 0.53 | 9.30 | 52 |
| | G10CA004 | 3406B-T | 225 KW, 240/480V | 332 HP D | 29,215 | 20.26 | 1.83 | 2.48 | 0.59 | 11.47 | 64 |
| | G10CA005 | 3406B-TA | 250 KW, 240/480V | 368 HP D | 31,516 | 22.31 | 1.98 | 2.68 | 0.64 | 12.72 | 68 |
| | G10CA006 | 3408B-TA | 365 KW, 240/480V | 530 HP D | 51,285 | 33.26 | 3.22 | 4.36 | 1.04 | 18.32 | 88 |
| | G10CA007 | 3412-T | 425 KW, 240/480V | 615 HP D | 58,269 | 38.34 | 3.66 | 4.95 | 1.18 | 21.25 | 91 |
| | G10CA008 | 3412-TA | 545 KW, 240/480V | 784 HP D | 77,487 | 49.52 | 4.88 | 6.59 | 1.58 | 27.10 | 102 |
| | G10CA009 | 3508 | 650 KW, 240/480V | 932 HP D | 102,801 | 60.89 | 6.46 | 8.74 | 2.09 | 32.21 | 170 |
| | G10CA010 | 3512 | 910 KW, 240/480V | 1,299 HP D | 134,342 | 83.16 | 8.44 | 11.42 | 2.73 | 44.89 | 225 |
| | G10CA011 | 3516 | 1275 KW, 240/480V | 1,814 HP D | 201,212 | 118.72 | 12.64 | 17.10 | 4.09 | 62.69 | 278 |
| | | ONAN | | | | | | | | | |
| | G10ON005 | 6.5NH-3CR | 6.5 KW, 120/240V | 14 HP G | 8,349 | 3.44 | 0.53 | 0.71 | 0.17 | 1.44 | 3 |
| | G10ON006 | 7.5JB-3CR | 7.5 KW, 120/240V | 15 HP G | 8,926 | 3.67 | 0.56 | 0.76 | 0.18 | 1.54 | 5 |
| | G10ON007 | 7.5DKD-3CR | 7.5 KW, 120/240V | 15 HP D | 10,319 | 2.64 | 0.65 | 0.88 | 0.21 | 0.52 | 5 |
| | G10ON008 | 3.0DJA-3CR | 3.0 KW, 120/240V | 6 HP D | 8,673 | 1.93 | 0.55 | 0.74 | 0.18 | 0.21 | 4 |
| | G10ON009 | 6.0DJE-18R | 6.0 KW, RECONNECTIBLE | 12 HP D | 10,297 | 2.50 | 0.65 | 0.88 | 0.21 | 0.41 | 5 |
| | G10ON010 | 12.0DJC-3CR | 12.0 KW, 120/240V | 22 HP D | 13,804 | 3.60 | 0.87 | 1.17 | 0.28 | 0.76 | 7 |
| | G10ON011 | 15RDJC | 15.0 KW, DUAL PHASE | 27 HP D | 14,474 | 3.95 | 0.91 | 1.23 | 0.29 | 0.93 | 14 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| | G10ON012 | 20DL4-15R | 20.0 KW, RECONNECTIBLE | 33 HP D | 15,666 | 4.45 | 0.99 | 1.33 | 0.32 | 1.14 | 12 |
| | G10ON013 | 30DDL6-15R | 30.0 KW, RECONNECTIBLE | 50 HP D | 16,881 | 5.44 | 1.06 | 1.43 | 0.34 | 1.73 | 16 |
| | G10ON014 | 40DL6T-15R | 40.0 KW, RECONNECTIBLE | 65 HP D | 17,864 | 6.29 | 1.12 | 1.52 | 0.36 | 2.25 | 15 |
| | G10ON015 | 50DL6B-15R | 50.0 KW, RECONNECTIBLE | 87 HP D | 20,003 | 7.67 | 1.26 | 1.70 | 0.41 | 3.01 | 18 |
| | G10ON016 | 60DVB-15R | 60.0 KW, RECONNECTIBLE | 118 HP D | 20,868 | 9.21 | 1.31 | 1.77 | 0.42 | 4.08 | 20 |
| | G10ON017 | 75DVB-15R | 75.0 KW, RECONNECTIBLE | 118 HP D | 23,403 | 9.71 | 1.48 | 1.99 | 0.48 | 4.08 | 20 |
| | G10ON018 | 100DVC-15R | 100.0 KW, RECONNECTIBLE | 155 HP D | 25,903 | 11.81 | 1.63 | 2.20 | 0.53 | 5.36 | 28 |
| | G10ON019 | 125DVD-15R | 125.0 KW, RECONNECTIBLE | 191 HP D | 28,919 | 13.98 | 1.82 | 2.46 | 0.59 | 6.60 | 30 |
| | G10ON020 | 150DVE-15R | 150.0 KW, RECONNECTIBLE | 227 HP D | 32,395 | 16.24 | 2.04 | 2.75 | 0.66 | 7.85 | 33 |
| **G1S GRADERS, MOTOR** | | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | G15CA001 | 120-G | ARTICULATED FRAME, POWERSHIFT | 125 HP D | 130,167 | 26.22 | 6.74 | 7.92 | 2.78 | 3.96 | 272 |
| | G15CA002 | 130-G | ARTICULATED FRAME, POWERSHIFT | 135 HP D | 154,772 | 30.52 | 8.03 | 9.46 | 3.30 | 4.28 | 306 |
| | G15CA003 | 12-G | ARTICULATED FRAME, POWERSHIFT | 135 HP D | 165,467 | 32.23 | 8.59 | 10.11 | 3.53 | 4.28 | 327 |
| | G15CA004 | 140-G | ARTICULATED FRAME, POWERSHIFT | 150 HP D | 169,038 | 33.49 | 8.76 | 10.29 | 3.61 | 4.75 | 332 |
| | G15CA005 | 14-G | ARTICULATED FRAME, POWERSHIFT | 200 HP D | 257,171 | 49.97 | 13.23 | 15.48 | 5.49 | 6.34 | 452 |
| | G15CA006 | 16-G | ARTICULATED FRAME, POWERSHIFT | 275 HP D | 365,652 | 70.73 | 18.77 | 21.93 | 7.80 | 8.71 | 593 |
| | | CHAMPION | | | | | | | | | |
| | G15CH001 | 710A | ARTICULATED FRAME | 135 HP D | 126,607 | 26.18 | 6.52 | 7.64 | 2.70 | 4.28 | 283 |
| | G15CH002 | 720A | ARTICULATED FRAME | 153 HP D | 137,614 | 28.69 | 7.11 | 8.34 | 2.94 | 4.85 | 318 |
| | G15CH003 | 730A | ARTICULATED FRAME | 187 HP D | 150,511 | 32.26 | 7.77 | 9.11 | 3.21 | 5.92 | 338 |
| | G15CH004 | 740A | ARTICULATED FRAME | 210 HP D | 165,426 | 35.62 | 8.55 | 10.04 | 3.53 | 6.65 | 361 |
| | G15CH005 | 750A | ARTICULATED FRAME | 200 HP D | 182,115 | 38.21 | 9.29 | 10.79 | 3.89 | 6.34 | 388 |
| | G15CH006 | 780A | ARTICULATED FRAME | 200 HP D | 219,292 | 44.03 | 11.24 | 13.11 | 4.68 | 6.34 | 421 |
| | G15CH007 | 710 | RIGID FRAME | 135 HP D | 119,670 | 25.07 | 6.16 | 7.22 | 2.55 | 4.28 | 283 |
| | G15CH008 | 720 | RIGID FRAME | 153 HP D | 126,575 | 26.95 | 6.53 | 7.65 | 2.70 | 4.85 | 318 |
| | G15CH009 | 730 | RIGID FRAME | 187 HP D | 138,129 | 30.33 | 7.12 | 8.34 | 2.95 | 5.92 | 338 |
| | G15CH010 | 740 | RIGID FRAME | 210 HP D | 156,193 | 34.17 | 8.06 | 9.46 | 3.33 | 6.65 | 361 |
| | G15CH011 | 750 | RIGID FRAME | 200 HP D | 172,881 | 36.76 | 8.80 | 10.21 | 3.69 | 6.34 | 388 |
| | G15CH012 | 780 | RIGID FRAME | 200 HP D | 209,716 | 42.52 | 10.73 | 12.51 | 4.47 | 6.34 | 421 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FIATALLIS | | | | | | | | | |
| | G15FI001 | FG75A | ARTICULATED FRAME, POWERSHIFT | 135 HP D | 129,410 | 26.57 | 6.69 | 7.85 | 2.76 | 4.28 | 317 |
| | G15FI002 | FG85A | ARTICULATED FRAME, POWERSHIFT | 155 HP D | 137,774 | 28.82 | 7.11 | 8.34 | 2.94 | 4.91 | 320 |
| | G15FI003 | FG95A | ARTICULATED FRAME, POWERSHIFT | 165 HP D | 145,784 | 30.68 | 7.47 | 8.71 | 3.11 | 5.23 | 332 |
| | G15FI004 | 65B | RIGID FRAME, POWERSHIFT | 68 HP D | 78,156 | 15.58 | 4.00 | 4.65 | 1.67 | 2.15 | 137 |
| | G15FI005 | FG75 | RIGID FRAME, POWERSHIFT/TC | 135 HP D | 121,357 | 25.31 | 6.27 | 7.35 | 2.59 | 4.28 | 309 |
| | G15FI006 | FG85 | RIGID FRAME, POWERSHIFT/TC | 155 HP D | 127,935 | 27.29 | 6.59 | 7.72 | 2.73 | 4.91 | 313 |
| | G15FI007 | FG95 | RIGID FRAME, POWERSHIFT/TC | 165 HP D | 137,010 | 29.26 | 7.03 | 8.22 | 2.92 | 5.23 | 325 |
| | | GALION/DRESSER | | | | | | | | | |
| | G15GI001 | A450E | ARTICULATED FRAME, POWERSHIFT | 144 HP D | 127,462 | 26.66 | 6.59 | 7.73 | 2.72 | 4.56 | 278 |
| | G15GI002 | 830 | ARTICULATED FRAME, POWERSHIFT | 144 HP D | 139,698 | 28.58 | 7.23 | 8.50 | 2.98 | 4.56 | 278 |
| | G15GI004 | 850 | ARTICULATED FRAME, POWERSHIFT | 166 HP D | 149,992 | 31.24 | 7.75 | 9.10 | 3.20 | 5.26 | 301 |
| | G15GI006 | 870 | ARTICULATED FRAME, POWERSHIFT | 204 HP D | 162,528 | 34.88 | 8.41 | 9.88 | 3.47 | 6.46 | 324 |
| | | INTERNATIONAL/DRESSER | | | | | | | | | |
| | G15ID002 | 830 | ARTICULATED FRAME, ALL WHEEL DRIVE | 144 HP D | 140,177 | 28.72 | 7.23 | 8.48 | 2.99 | 4.56 | 287 |
| | G15ID003 | 850 | ARTICULATED FRAME, ALL WHEEL DRIVE | 166 HP D | 150,444 | 31.30 | 7.77 | 9.12 | 3.21 | 5.26 | 310 |
| | G15ID004 | 870 | ARTICULATED FRAME, ALL WHEEL DRIVE | 204 HP D | 162,979 | 34.96 | 8.44 | 9.91 | 3.48 | 6.46 | 333 |
| | | JOHN DEERE | | | | | | | | | |
| | G15JD001 | 570B | ARTICULATED FRAME, POWER SHIFT | 90 HP D | 105,799 | 20.85 | 5.46 | 6.40 | 2.26 | 2.85 | 205 |
| | G15JD002 | 670B | ARTICULATED FRAME, POWER SHIFT | 135 HP D | 136,113 | 27.59 | 7.05 | 8.29 | 2.90 | 4.28 | 286 |
| | G15JD003 | 672B | ARTICULATED FRAME, POWER SHIFT | 135 HP D | 159,761 | 31.30 | 8.30 | 9.77 | 3.41 | 4.28 | 289 |
| | G15JD004 | 770B | ARTICULATED FRAME, POWER SHIFT | 155 HP D | 154,337 | 31.38 | 7.99 | 9.39 | 3.29 | 4.91 | 310 |
| | G15JD005 | 772B | ARTICULATED FRAME, POWER SHIFT | 155 HP D | 177,218 | 34.97 | 9.19 | 10.82 | 3.78 | 4.91 | 297 |
| | | KOMATSU | | | | | | | | | |
| | G15KM001 | GD 525A-1C | ARTICULATED FRAME | 135 HP D | 152,627 | 30.19 | 7.93 | 9.33 | 3.26 | 4.28 | 270 |
| | G15KM002 | GD 615A-1 | ARTICULATED FRAME | 140 HP D | 165,802 | 32.58 | 8.57 | 10.06 | 3.54 | 4.44 | 310 |
| | G15KM003 | GD 625A-1C | ARTICULATED FRAME | 155 HP D | 178,805 | 35.27 | 9.25 | 10.88 | 3.81 | 4.91 | 336 |
| | G15KM004 | GD 725A-1 | ARTICULATED FRAME | 200 HP D | 249,631 | 48.79 | 12.84 | 15.01 | 5.33 | 6.34 | 425 |
| | G15KM005 | GD 825A-1 | ARTICULATED FRAME | 280 HP D | 347,969 | 68.17 | 17.83 | 20.82 | 7.42 | 8.87 | 578 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MITSUBISHI | | | | | | | | | |
| | G15MI001 | MG100 | ARTICULATED FRAME, POWERSHIFT | 76 HP D | 88,893 | 17.48 | 4.60 | 5.40 | 1.90 | 2.41 | 187 |
| | G15MI002 | MG150 | ARTICULATED FRAME, POWERSHIFT | 91 HP D | 100,425 | 19.94 | 5.20 | 6.12 | 2.14 | 2.88 | 213 |
| | G15MI003 | MG400 | ARTICULATED FRAME, POWERSHIFT | 150 HP D | 129,963 | 27.21 | 6.75 | 7.95 | 2.77 | 4.75 | 314 |
| | G15MI004 | MG500 | ARTICULATED FRAME, POWERSHIFT | 174 HP D | 143,103 | 30.37 | 7.43 | 8.75 | 3.05 | 5.51 | 346 |
| **H10** | **HAMMERS, HYDRAULIC** | | | | | | | | | | |
| | | NPK CONSTRUCTION EQUIPMENT | | | | | | | | | |
| | H10NP001 | H-06X | HAMMER, IMPACT ENERGY 150 FT-LBS W/ H-06X DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR) | | 5,357 | 2.44 | 0.48 | 0.71 | 0.12 | 0.00 | 2 |
| | H10NP002 | H-08X | HAMMER, IMPACT ENERGY 200 FT-LBS W/ H-08X DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR) | | 5,916 | 2.64 | 0.53 | 0.79 | 0.13 | 0.00 | 2 |
| | H10NP003 | H-1XA | HAMMER, IMPACT ENERGY 300 FT-LBS W/ H-1AX DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR) | | 6,903 | 3.25 | 0.61 | 0.92 | 0.15 | 0.00 | 4 |
| | H10NP004 | H-2XA | HAMMER, IMPACT ENERGY 500 FT-LBS W/ H-2AX DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR) | | 9,376 | 4.15 | 0.84 | 1.25 | 0.21 | 0.00 | 6 |
| | H10NP005 | H-3XA | HAMMER, IMPACT ENERGY 750 FT-LBS W/ H-3AX DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR) | | 12,807 | 5.65 | 1.15 | 1.71 | 0.29 | 0.00 | 9 |
| | H10NP006 | H-4XE | HAMMER, IMPACT ENERGY 1000 FT-LBS W/ H-4XE DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR) | | 17,541 | 7.36 | 1.56 | 2.34 | 0.39 | 0.00 | 12 |
| | H10NP007 | H-6XA | HAMMER, IMPACT ENERGY 1250 FT-LBS W/ H-6XA DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR) | | 21,810 | 8.91 | 1.95 | 2.91 | 0.49 | 0.00 | 15 |
| | H10NP008 | H-7X | HAMMER, IMPACT ENERGY 1500 FT-LBS W/ H-7X DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR) | | 25,149 | 10.36 | 2.24 | 3.35 | 0.56 | 0.00 | 18 |
| | H10NP009 | H-8XA | HAMMER, IMPACT ENERGY 2000 FT-LBS W/ H-8AX DEMOLITION TOOL (ADD HYDRAULIC EXCAVATOR) | | 31,361 | 12.62 | 2.79 | 4.18 | 0.70 | 0.00 | 24 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | H10NP010 | H-10XB | HAMMER, IMPACT ENERGY 3000 FT-LBS<br>W/ H-10XB DEMOLITION TOOL<br>(ADD HYDRAULIC EXCAVATOR) | | 38,176 | 15.34 | 3.40 | 5.09 | 0.85 | 0.00 | 35 |
| | H10NP011 | H-12X | HAMMER, IMPACT ENERGY 4000 FT-LBS<br>W/ H-12X DEMOLITION TOOL<br>(ADD HYDRAULIC EXCAVATOR) | | 44,525 | 18.15 | 3.97 | 5.94 | 1.00 | 0.00 | 46 |
| | H10NP012 | H-16X | HAMMER, IMPACT ENERGY 5000 FT-LBS<br>W/ H-16X DEMOLITION TOOL<br>(ADD HYDRAULIC EXCAVATOR) | | 54,650 | 22.31 | 4.87 | 7.29 | 1.22 | 0.00 | 59 |
| | H10NP013 | H-20X | HAMMER, IMPACT ENERGY 6000 FT-LBS<br>W/ H-20X DEMOLITION TOOL<br>(ADD HYDRAULIC EXCAVATOR) | | 80,509 | 32.18 | 7.17 | 10.73 | 1.80 | 0.00 | 69 |
| | H10NP014 | H-30X | HAMMER, IMPACT ENERGY 10000FT-LBS<br>W/ H-30X DEMOLITION TOOL<br>(ADD HYDRAULIC EXCAVATOR) | | 111,406 | 43.88 | 9.92 | 14.85 | 2.49 | 0.00 | 110 |
| **H13** | **HAZARD/TOXIC WASTE EQUIPMENT** | | | | | | | | | | |
| | 0.10 | COMPACTORS (COMPRESSION FORCE) | | | | | | | | | |
| | 0.11 | 0 THRU 50 TONS | | | | | | | | | |
| | | | CONSOLIDATED BAILING MACHINE | | | | | | | | |
| | H13CB001 | DOW RAW WI | 12.5 TON LOW LEVEL RAD WASTE COMPACTOR<br>55 GALLON BARREL CAPACITY | 5 HP E | 16,999 | 3.89 | 1.07 | 1.44 | 0.35 | 0.26 | 25 |
| | H13CB002 | DOW RAW WI | 20 TON LOW LEVEL RAD WASTE COMPACTOR<br>55 GALLON BARREL CAPACITY | 10 HP E | 19,343 | 4.77 | 1.21 | 1.64 | 0.39 | 0.52 | 25 |
| | | | COMPACTING TECHNOLOGIES | | | | | | | | |
| | H13CO001 | 8500 | 42 TON HAZARD WASTE COMPACTOR<br>55 GALLON BARREL CAPACITY | 2 HP E | 42,594 | 9.38 | 2.68 | 3.62 | 0.87 | 0.10 | 28 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | PIQUA ENGINEERING | | | | | | | | |
| | H13PI001 | LKDC36 | 30 TON MOBIL DRUM CRUSHER | 18 HP G | 9,365 | 4.30 | 0.57 | 0.76 | 0.19 | 1.85 | 19 |
| | H13PI002 | LRDC36 | 30 TON MOBIL DRUM CRUSHER | 8 HP E | 9,689 | 2.65 | 0.59 | 0.78 | 0.20 | 0.42 | 19 |
| | H13PI003 | DC3036 | 30 TON DRUM CRUSHER | 3 HP E | 10,304 | 2.77 | 0.65 | 0.88 | 0.21 | 0.42 | 30 |
| | 0.12 | OVER 50 TONS | | | | | | | | | |
| | | | CEMEN TECH | | | | | | | | |
| | H13CC001 | 6-50-400 | 250 TON COMPACTOR CASK TYPE CONTAINER: 57.5" x 33.5" x 47" | 50 HP E | 239,956 | 47.41 | 12.95 | 16.00 | 4.95 | 2.60 | 220 |
| | H13CC002 | 6-90-200 | 250 TON COMPACTOR CASK TYPE CONTAINER: 72" x 46" x 47" | 50 HP E | 264,237 | 51.79 | 14.26 | 17.62 | 5.45 | 2.60 | 280 |
| | H13CC003 | 6-90-300 | 375 TON COMPACTOR CASK TYPE CONTAINER: 72" x 46" x 47" | 50 HP E | 311,019 | 60.22 | 16.79 | 20.73 | 6.42 | 2.60 | 320 |
| | 0.20 | FILTER PRESSES | | | | | | | | | |
| | 0.21 | STATIONARY | | | | | | | | | |
| | | | AVERY FILTER COMPANY | | | | | | | | |
| | H13AY007 | L/S 1200/125 | 125 CF MEMBRANE FILTER PRESS 1200MM X 1200MM | 50 CFM A | 128,464 | 27.33 | 7.84 | 10.28 | 2.70 | 0.00 | 216 |
| | H13AY008 | K/F 1200/125 | 125 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM | 50 CFM A | 63,718 | 13.56 | 3.89 | 5.10 | 1.34 | 0.00 | 207 |
| | H13AY009 | L/S 1200/100 | 100 CF MEMBRANE FILTER PRESS 1200MM X 1200MM | 50 CFM A | 109,548 | 23.30 | 6.68 | 8.76 | 2.30 | 0.00 | 199 |
| | H13AY010 | K/F 1200/100 | 100 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM | 50 CFM A | 56,174 | 11.94 | 3.43 | 4.49 | 1.18 | 0.00 | 191 |
| | H13AY011 | L/S 1200/75 | 75 CF MEMBRANE FILTER PRESS 1200MM X 1200MM | 50 CFM A | 104,265 | 22.18 | 6.36 | 8.34 | 2.19 | 0.00 | 194 |
| | H13AY012 | K/F 1200/75 | 75 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM | 50 CFM A | 53,292 | 11.33 | 3.25 | 4.26 | 1.12 | 0.00 | 188 |
| | H13AY013 | L/S 1200/50 | 50 CF MEMBRANE FILTER PRESS 1200MM X 1200MM | 50 CFM A | 80,891 | 17.21 | 4.94 | 6.47 | 1.70 | 0.00 | 173 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | |
| | H13AY014 | K/F 1200/50 | 50 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM | 50 CFM A | 44,316 | 9.43 | 2.71 | 3.55 | 0.93 | 0.00 | 168 |
| | H13AY015 | L/S 1200/25 | 25 CF MEMBRANE FILTER PRESS 1000MM X 1000MM | 50 CFM A | 48,631 | 10.34 | 2.97 | 3.89 | 1.02 | 0.00 | 112 |
| | H13AY016 | K/F 1200/25 | 25 CF CONVENTIONAL FILTER PRESS 1000MM X 1000MM | 50 CFM A | 29,831 | 6.35 | 1.83 | 2.39 | 0.63 | 0.00 | 108 |
| | H13AY017 | L/S 1200/150 | 150 CF MEMBRANE FILTER PRESS 1200MM X 1200MM | 50 CFM A | 152,346 | 32.41 | 9.30 | 12.19 | 3.20 | 0.00 | 235 |
| | H13AY018 | K/F 1200/150 | 150 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM | 50 CFM A | 71,972 | 15.31 | 4.39 | 5.76 | 1.51 | 0.00 | 224 |
| | H13AY019 | | FILTER PRESS PLATE SHIFTING UNIT 1200MM X 1200MM, MECHANIZED | 1 HP E | 11,664 | 2.55 | 0.71 | 0.93 | 0.24 | 0.05 | 5 |
| | H13AY020 | SLC-500 | PLC CONTROL PANEL - PLATE SHIFTING COMPUTER AUTOMATED | HP E | 3,913 | 0.83 | 0.24 | 0.31 | 0.08 | 0.00 | 2 |
| | | HYDROCAL | | | | | | | | | |
| | H13HR001 | Model 1.0 | S.S. SLUDGE THICK/BELT PRESS COMB., 1 METER | 1 HP E | 58,009 | 12.39 | 3.54 | 4.64 | 1.22 | 0.03 | 20 |
| | H13HR002 | Model 1.5 | S.S. SLUDGE THICK/BELT PRESS COMB., 1.5 METER | 2 HP E | 65,460 | 14.05 | 3.99 | 5.24 | 1.37 | 0.08 | 25 |
| | | PERRIN | | | | | | | | | |
| | H13PR001 | 100S-800 | 25CF STANDARD FILTER PRESS 800MM X 800MM | 3 HP E | 71,358 | 15.43 | 4.36 | 5.71 | 1.50 | 0.16 | 125 |
| | H13PR003 | 100S-1200 | 113CF STANDARD FILTER PRESS 1200MM X 1200MM | 5 HP E | 145,244 | 31.30 | 8.86 | 11.62 | 3.05 | 0.26 | 460 |
| | H13PR005 | 2005-1500 | 181CF FILTER PRESS STANDARD 1500MM X 1500MM | 5 HP E | 201,430 | 43.25 | 12.29 | 16.11 | 4.23 | 0.26 | 680 |
| | H13PR007 | P4-200 | 370CF MAXI FILTER PRESS 1.5M X 20M | 10 HP E | 419,180 | 89.97 | 25.57 | 33.53 | 8.80 | 0.52 | 1,100 |
| | H13PR020 | FBP 60 | 23.5"W FILTER BELT PRESS, 3/4 HP | 1 HP E | 81,271 | 17.37 | 4.96 | 6.50 | 1.71 | 0.05 | 33 |
| | H13PR021 | FBP 90 | 35.5"W FILTER BELT PRESS, 3/4 HP | 1 HP E | 83,567 | 17.85 | 5.10 | 6.69 | 1.75 | 0.05 | 33 |
| | H13PR022 | FBP 120 | 47.0"W FILTER BELT PRESS, 1.5 HP | 2 HP E | 104,890 | 22.47 | 6.40 | 8.39 | 2.20 | 0.10 | 57 |
| | H13PR023 | FBP 160 | 63.0"W FILTER BELT PRESS, 1.5 HP | 1 HP E | 111,121 | 23.71 | 6.78 | 8.89 | 2.33 | 0.05 | 33 |
| | H13PR024 | FBP 200 | 78.75"W FILTER BELT PRESS, 2 HP | 2 HP E | 126,488 | 27.06 | 7.71 | 10.12 | 2.65 | 0.10 | 91 |
| | H13PR025 | FBP 250 | 98.5"W FILTER BELT PRESS, 3 HP | 3 HP E | 140,867 | 30.21 | 8.60 | 11.27 | 2.96 | 0.16 | 113 |
| | H13PR026 | FBP 300 | 118"W FILTER BELT PRESS, 3 HP | 3 HP E | 164,377 | 35.21 | 10.03 | 13.15 | 3.45 | 0.16 | 133 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | H13PR027 | PS 250 | PUSHER SCREW PRESS, 7.5 HP | 8 HP E | 88,577 | 19.50 | 5.41 | 7.09 | 1.86 | 0.42 | 65 |
| | H13PR028 | PS 400 | PUSHER SCREW PRESS, 10 HP | 10 HP E | 130,779 | 28.63 | 7.97 | 10.46 | 2.74 | 0.52 | 80 |
| | H13PR029 | PS 600 | PUSHER SCREW PRESS, 15 HP | 15 HP E | 195,249 | 42.77 | 11.91 | 15.62 | 4.10 | 0.78 | 120 |
| | H13PR030 | PS 800 | PUSHER SCREW PRESS, 20 HP | 20 HP E | 275,334 | 60.21 | 16.80 | 22.03 | 5.78 | 1.04 | 160 |
| | 0.22 | MOBILE | | | | | | | | | |
| | | | AVERY FILTER COMPANY | | | | | | | | |
| | H13AY021 | L/S 1200/150M | 150 CF MEMBRANE FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | 163,318 | 33.46 | 10.18 | 13.72 | 3.32 | 0.00 | 255 |
| | H13AY022 | K/F 1200/150M | 150 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | 82,973 | 17.02 | 5.14 | 6.89 | 1.69 | 0.00 | 244 |
| | H13AY023 | L/S 1200/125M | 125 CF MEMBRANE FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | 140,124 | 28.71 | 8.73 | 11.75 | 2.85 | 0.00 | 236 |
| | H13AY024 | K/F 1200/125M | 125 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | 75,378 | 15.46 | 4.66 | 6.25 | 1.53 | 0.00 | 227 |
| | H13AY025 | L/S 1200/100M | 100 CF MEMBRANE FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | 120,290 | 24.65 | 7.48 | 10.06 | 2.45 | 0.00 | 219 |
| | H13AY026 | K/F 1200/100M | 100 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | 66,916 | 13.73 | 4.13 | 5.53 | 1.36 | 0.00 | 211 |
| | H13AY027 | L/S 1200/75M | 75 CF MEMBRANE FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | 114,087 | 23.39 | 7.09 | 9.54 | 2.32 | 0.00 | 214 |
| | H13AY028 | K/F 1200/75M | 75 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | 63,115 | 12.95 | 3.88 | 5.20 | 1.28 | 0.00 | 208 |
| | H13AY029 | L/S 1200/50M | 50 CF MEMBRANE FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | 89,133 | 18.27 | 5.52 | 7.41 | 1.81 | 0.00 | 193 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | |
| | H13AY030 | K/F 1200/50M | 50 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | 53,219 | 10.92 | 3.26 | 4.36 | 1.08 | 0.00 | 188 |
| | H13AY031 | L/S 1200/25M | 25 CF MEMBRANE FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | 56,987 | 11.70 | 3.50 | 4.68 | 1.16 | 0.00 | 112 |
| | H13AY032 | K/F 1200/25M | 25 CF CONVENTIONAL FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD COMPR & 60,000 GVW TRUCK) | 50 CFM A | 38,214 | 7.86 | 2.33 | 3.09 | 0.78 | 0.00 | 109 |
| | | HYDROCAL | | | | | | | | | |
| | H13HR003 | TRAILER PRESS | 80 GPM CAPACITY BELT PRESS TRAILER MOUNTED SYSTEM COMPLETE W/ FLOCULATION TANK, MIXING TANK. PUMPS, FEEDERS, & CONTROL PANEL | 1 HP E | 113,233 | 25.27 | 7.07 | 9.53 | 2.30 | 0.05 | 72 |
| | | PERRIN | | | | | | | | | |
| | H13PR002 | 100S-800M | 25CF STANDARD FILTER PRESS 800MM X 800MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 3 HP E | 79,010 | 16.46 | 4.89 | 6.55 | 1.61 | 0.16 | 145 |
| | H13PR004 | 100S-1200M | 113CF STANDARD FILTER PRESS 1200MM X 1200MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 5 HP E | 157,228 | 32.62 | 9.80 | 13.20 | 3.20 | 0.26 | 480 |
| | H13PR006 | 200S-1500M | 181CF FILTER PRESS STANDARD 1500MM X 1500MM, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 5 HP E | 207,906 | 42.99 | 12.99 | 17.51 | 4.23 | 0.26 | 705 |
| | H13PR008 | P4-200 | 370CF MAXI FILTER PRESS 1.5M X 20M, TRAILER MOUNTED (ADD GEN & 64,000 GVW TRK + PERMIT) | 10 HP E | 434,935 | 90.03 | 26.96 | 36.24 | 8.84 | 0.52 | 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 | 90,175 | 18.56 | 5.58 | 7.50 | 1.83 | 0.05 | 53 |
| | H13PR010 | FBP-90-M | 35.5" FILTER BELT PRESS, MOBILE .75 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 1 HP E | 92,471 | 19.04 | 5.73 | 7.70 | 1.88 | 0.05 | 53 |
| | H13PR011 | FBP 120-M | 47" FILTER BELT PRESS 1.5 HP, TRAILER MOUNTED (ADD GENR & 60,000 GVW TRUCK) | 2 HP E | 114,713 | 23.67 | 7.13 | 9.59 | 2.33 | 0.10 | 77 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | H13PR012 | FBP 160-M | 63" FILTER BELT PRESS<br>1.5 HP, TRAILER MOUNTED<br>(ADD GENR & 60,000 GVW TRUCK) | 2 HP E | 121,601 | 25.07 | 7.56 | 10.17 | 2.47 | 0.10 | 77 |
| | H13PR013 | FBP 200-M | 78.75" FILTER BELT PRESS<br>2 HP, TRAILER MOUNTED<br>(ADD GENR & 60,000 GVW TRUCK) | 2 HP E | 137,229 | 28.28 | 8.54 | 11.50 | 2.79 | 0.10 | 111 |
| | H13PR014 | FBP 250-M | 98.5" FILTER BELT PRESS<br>3 HP, TRAILER MOUNTED<br>(ADD GENR & 60,000 GVW TRUCK) | 3 HP E | 152,527 | 31.50 | 9.50 | 12.80 | 3.10 | 0.16 | 133 |
| | H13PR015 | FBP 300-M | 118" FILTER BELT PRESS<br>3 HP, TRAILER MOUNTED<br>(ADD GENR & 60,000 GVW TRUCK) | 3 HP E | 176,037 | 36.31 | 10.98 | 14.80 | 3.58 | 0.16 | 153 |
| | H13PR016 | PS 250-M | PUSHER SCREW PRESS, MOBILE<br>7.5 HP, TRAILER MOUNTED<br>(ADD GENR & 60,000 GVW TRUCK) | 8 HP E | 97,480 | 20.64 | 6.04 | 8.12 | 1.98 | 0.42 | 85 |
| | H13PR017 | PS 400-M | PUSHER SCREW PRESS, MOBILE<br>10 HP, TRAILER MOUNTED<br>(ADD GENR & 60,000 GVW TRUCK) | 10 HP E | 140,601 | 29.63 | 8.76 | 11.79 | 2.86 | 0.52 | 100 |
| | H13PR018 | PS 600-M | PUSHER SCREW PRESS, MOBILE<br>15 HP, TRAILER MOUNTED<br>(ADD GENR & 60,000 GVW TRUCK) | 15 HP E | 203,250 | 42.86 | 12.69 | 17.11 | 4.13 | 0.78 | 40 |
| | H13PR019 | PS 800-M | PUSHER SCREW PRESS, MOBILE<br>20 HP, TRAILER MOUNTED<br>(ADD GENR & 60,000 GVW TRUCK) | 20 HP E | 286,994 | 60.41 | 17.95 | 24.23 | 5.83 | 1.04 | 180 |
| | 0.30 | CENTRIFUGES | | | | | | | | | |
| | | BOCK | | | | | | | | | |
| | H13BC001 | FP 910 | CENTRIFUGE, VARIABLE SPEED, PILOT-PLANT FLEXIBILITY, 130 LB DRY WT. | 5 HP E | 37,146 | 16.81 | 4.62 | 7.43 | 0.90 | 0.26 | 12 |
| | H13BC002 | FP 900 | CENTRIFUGE, VARIABLE SPEED, MULTI-PRODUCT, 130 LB DRY WT. | 5 HP E | 18,147 | 8.42 | 2.26 | 3.63 | 0.44 | 0.26 | 12 |
| | H13BC003 | GP 130 | CENTRIFUGE, FIXED SPEED, TIMER<br>130 LB DRY WT. | 5 HP E | 13,982 | 6.59 | 1.74 | 2.80 | 0.34 | 0.26 | 12 |
| | H13BC004 | 955 | CENTRIFUGE, FIXED SPEED, BASKET LIFT SYSTEM, EXPLOSION PROOF,130 LB | 5 HP E | 17,355 | 8.07 | 2.16 | 3.47 | 0.42 | 0.26 | 12 |
| | H13BC005 | FP 805 TX | CENTRIFUGE, FIXED SPEED, TIMER<br>130 LB DRY WT. | 5 HP E | 13,105 | 6.20 | 1.63 | 2.62 | 0.32 | 0.26 | 12 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | H13BC006 | 605 TX | CENTRIFUGE, FIXED SPEED, TIMER 60 LB DRY WT. | 3 HP E | 10,830 | 5.03 | 1.35 | 2.17 | 0.26 | 0.16 | 9 |
| | H13BC007 | 655 | CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 60 LB | 3 HP E | 13,700 | 6.30 | 1.70 | 2.74 | 0.33 | 0.16 | 9 |
| | H13BC008 | 755 | CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 100 LB | 5 HP E | 16,564 | 7.72 | 2.06 | 3.31 | 0.40 | 0.26 | 12 |
| | H13BC009 | 355 | CENTRIFUGE, FIXED SPEED, MANUAL CONTROL, EXPLOSION PROOF, 35 LB | 3 HP E | 11,116 | 5.15 | 1.38 | 2.22 | 0.27 | 0.16 | 6 |
| | H13BC010 | 305 TX | CENTRIFUGE, FIXED SPEED, TIMER 35 LB DRY WT. | 3 HP E | 8,284 | 3.91 | 1.03 | 1.66 | 0.20 | 0.16 | 6 |
| | 0.40 SHREDDERS | | | | | | | | | | |
| | | MAC CORPORATION | | | | | | | | | |
| | H13MN001 | 52-32HT | MOBILE SHREDDER, TRAILER MOUNTED W/ DIESEL GENERATOR SET, AND BELT-TYPE INFEED & DISCHARGE CONVEYORS | 150 HP E | 203,577 | 59.14 | 12.64 | 17.00 | 4.14 | 7.80 | 200 |
| | H13MN002 | 62-40HT | 200 HP MOBILE SHREDDER, TRAILER MOUNTED W/ DIESEL GENERATOR SET, HOOK-TYPE INFEED FOR TIRES, & DISCHARGE CONVEYOR | 200 HP E | 250,373 | 74.26 | 15.58 | 20.98 | 5.09 | 10.40 | 300 |
| | H13MN003 | 62-40HT | 200 HP MOBILE SHREDDER, TRAILER MOUNTED W/ DIESEL GENERATOR SET, CRANE GRAPPLE AND DISCHARGE CONVEYOR SYSTEM | 200 HP E | 300,485 | 86.14 | 18.73 | 25.24 | 6.11 | 10.40 | 300 |
| | H13MN004 | 72-46HT | 300 HP MOBILE SHREDDER, TRAILER MOUNTED W/ DIESEL GENERATOR SET, CRANE GRAPPLE AND DISCHARGE CONVEYOR SYSTEM | 300 HP E | 346,943 | 105.15 | 21.65 | 29.19 | 7.05 | 15.60 | 400 |
| | | SHREAD-TECH LIMITED | | | | | | | | | |
| | H13SH001 | ST-20 | 15HP SHRED. W/28"x14" CUTTING CHMBR 3/8" BLADE, 37"x38" HOPPER OPENING | 15 HP E | 33,745 | 8.52 | 2.13 | 2.87 | 0.69 | 0.78 | 20 |
| | H13SH002 | ST-20L | 15HP SHRED. W/14"x36" CUTTING CHMBR 3/8" BLADE, 37"x46" HOPPER OPENING | 15 HP E | 34,008 | 8.57 | 2.14 | 2.89 | 0.69 | 0.78 | 23 |

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | H13SH003 | ST-50 | 2x20HP SHRED. W/42"x21" CUT. CHMBR 5/8" BLADE, 40"x55" HOPPER OPENING | 40 HP E | 65,683 | 17.44 | 4.13 | 5.58 | 1.34 | 2.08 | 45 |
| | H13SH004 | ST-50L | 2x20HP SHRED. W/52"x21" CUT. CHMBR 5/8" BLADE, 40"x65" HOPPER OPENING | 40 HP E | 70,681 | 18.53 | 4.45 | 6.01 | 1.44 | 2.08 | 50 |
| | H13SH005 | ST-100 | 2x50HP SHRED. W/63"x32" CUT. CHMBR 1 7/8" BLD, 60"x70" HOPPER OPENING | 100 HP E | 109,504 | 31.71 | 6.89 | 9.31 | 2.23 | 5.20 | 200 |
| | H13SH006 | ST-500 | 2x175HP SHRED. W/43"x76" CUT. CHMBR 2 3/4" BLD, 66"x96" HOPPER OPENING | 350 HP E | 360,233 | 105.96 | 22.63 | 30.62 | 7.32 | 18.20 | 420 |
| | H13SH007 | ST-500L | 2x250HP SHRED. W/43"x96" CUT. CHMBR 2 3/4" BLD, 66"x115" HOPPER OPENING | 600 HP E | 381,005 | 130.32 | 23.94 | 32.39 | 7.74 | 31.20 | 440 |
| | 0.50 SOIL TREATMENT PLANT | | | | | | | | | | |
| | 0.51 MOBILE | | | | | | | | | | |
| | | | PROGRESSIVE DEVELOPMENT INC. | | | | | | | | |
| | H13PO001 | ST-300 | MOBILE THERMAL REMEDIATION SYSTEM TRLR MTD W/REMIDIATION UNIT,2-10T/HR SHRED./CLASSIFIER, WT SCALE & LP GAS VAPORIZOR | 55 HP E | 437,868 | 104.83 | 27.51 | 37.22 | 8.90 | 2.86 | 180 |
| | 0.60 SLUDGE PROCESSING EQUIPMENT | | | | | | | | | | |
| | 0.61 SLUDGE DISPENSERS | | | | | | | | | | |
| | | | CT ENVIROMENTAL SYSTEMS | | | | | | | | |
| | H13CN001 | SPD-10C | SLUDGE PROCESSING DISPENSER W/ 2 CU. YD. SLUDGE BIN, 1200 CU.FT. SILO - TRAILER MOUNTED | 20 HP E | 52,892 | 14.73 | 3.30 | 4.43 | 1.08 | 1.04 | 77 |
| | H13CN002 | SPD-30C | SLUDGE PROCESSING DISPENSER W/ 8 CU. YD. SLUDGE BIN, 2100 CU.FT. SILO - TRAILER MOUNTED | 40 HP E | 89,088 | 25.11 | 5.55 | 7.47 | 1.81 | 2.08 | 166 |
| | H13CN003 | SPD-50C | SLUDGE PROCESSING DISPENSER W/ 8 CU. YD. SLUDGE BIN, 2100 CU.FT. SILO - TRAILER MOUNTED | 75 HP E | 104,335 | 29.88 | 6.51 | 8.77 | 2.12 | 3.90 | 177 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.70 | WASTE HANDLING EQUIPMENT | | | | | | | | | |
| | 0.71 | DRUM HANDLING | | | | | | | | | |
| | | BASCO | | | | | | | | | |
| | H13BB001 | T55FLX | 55 GAL TOP FILL DRUM FILLER | 10 HP E | 17,168 | 10.93 | 2.24 | 3.65 | 0.41 | 0.52 | 3 |
| | H13BB002 | MR3 | 60 DRUM/HR CAP INTERIOR DRUM CLEANER | 15 HP E | 33,149 | 20.29 | 4.30 | 7.04 | 0.78 | 0.78 | 25 |
| H20 | HOIST | | | | | | | | | | |
| | | BEEBE | | | | | | | | | |
| | H20BE001 | FA1 | AIR TUGGER, 1 TON (ADD COMPRESSOR) | 390 CFM A | 12,368 | 2.82 | 0.81 | 1.10 | 0.26 | 0.00 | 4 |
| | H20BE002 | FA2.5 | AIR TUGGER,2.5 TON (ADD COMPRESSOR) | 700 CFM A | 16,336 | 3.80 | 1.08 | 1.45 | 0.35 | 0.00 | 5 |
| | H20BE003 | FA5 | AIR TUGGER, 5 TON (ADD COMPRESSOR) | 700 CFM A | 20,962 | 4.91 | 1.37 | 1.86 | 0.44 | 0.00 | 14 |
| | H20BE004 | FA10 | AIR TUGGER,10 TON (ADD COMPRESSOR) | 800 CFM A | 37,558 | 8.68 | 2.47 | 3.34 | 0.80 | 0.00 | 45 |
| | | SKAGIT | | | | | | | | | |
| | H20SK001 | BU-18 | DOUBLE DRUM WITH 5/8" CABLE | 100 HP D | 92,009 | 24.71 | 6.04 | 8.18 | 1.95 | 3.46 | 85 |
| | H20SK002 | G-70 | DOUBLE DRUM WITH 7/8" CABLE | 100 HP D | 124,543 | 31.88 | 8.18 | 11.07 | 2.64 | 3.46 | 126 |
| | H20SK003 | RB-80 | DOUBLE DRUM WITH 1-1/8" CABLE | 130 HP D | 192,438 | 48.17 | 12.64 | 17.11 | 4.08 | 4.49 | 240 |
| | H20SK004 | RB-90W | DOUBLE DRUM WITH 1-3/8" CABLE | 150 HP D | 214,254 | 53.86 | 14.06 | 19.04 | 4.54 | 5.18 | 300 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **H25 HYDRAULIC EXCAVATORS, CRAWLER MTD** | | | | | | | | | | | |
| | 0.10 DIESEL or GASOLINE | | | | | | | | | | |
| | 0.11 0 THRU 1 CY | | | | | | | | | | |
| | | AKERMAN | | | | | | | | | |
| | H25AK001 | H3B | .50 CY BUCKET | 67 HP D | 130,286 | 32.38 | 8.99 | 12.21 | 2.88 | 2.12 | 174 |
| | H25AK002 | H7C | .90 CY BUCKET | 145 HP D | 170,625 | 45.04 | 11.77 | 16.00 | 3.77 | 4.59 | 343 |
| | | BADGER | | | | | | | | | |
| | H25BA001 | 300 | .50 CY BUCKET, HYDRO-SCOPIC | 85 HP D | 147,820 | 37.17 | 10.20 | 13.86 | 3.27 | 2.69 | 378 |
| | H25BA002 | 888 | 1.00 CY BUCKET, HYDRO-SCOPIC | 160 HP D | 230,716 | 59.26 | 15.92 | 21.63 | 5.10 | 5.07 | 508 |
| | | CATERPILLAR | | | | | | | | | |
| | H25CA001 | 205LC | .50 CY BUCKET, LONG CARRIAGE | 71 HP D | 97,592 | 25.22 | 6.74 | 9.15 | 2.16 | 2.25 | 311 |
| | H25CA002 | 211LC | .68 CY BUCKET, LONG CARRIAGE | 94 HP D | 121,413 | 31.63 | 8.38 | 11.38 | 2.69 | 2.98 | 335 |
| | H25CA003 | 213BLC | .91 CY BUCKET, LONG CARRIAGE | 110 HP D | 142,756 | 37.17 | 9.85 | 13.38 | 3.16 | 3.48 | 399 |
| | H25CA004 | 215DLC | 1.00 CY BUCKET, LONG CARRIAGE | 125 HP D | 180,567 | 46.37 | 12.46 | 16.93 | 3.99 | 3.96 | 439 |
| | H25CA009 | E70B | .24 CY BUCKET | 54 HP D | 63,879 | 16.85 | 4.41 | 5.99 | 1.41 | 1.71 | 153 |
| | H25CA010 | E110B | .42 CY BUCKET | 79 HP D | 84,335 | 22.60 | 5.83 | 7.91 | 1.87 | 2.50 | 254 |
| | H25CA011 | E120B | .59 CY BUCKET | 84 HP D | 92,166 | 24.59 | 6.36 | 8.64 | 2.04 | 2.66 | 283 |
| | H25CA012 | E200B | 1.00 CY BUCKET | 118 HP D | 165,825 | 42.74 | 11.45 | 15.55 | 3.67 | 3.74 | 414 |
| | H25CA013 | EL200B | 1.00 CY BUCKET, LONG REACH | 118 HP D | 175,486 | 44.90 | 12.11 | 16.45 | 3.88 | 3.74 | 493 |
| | H25CA014 | E240B | 1.25 CY BUCKET | 148 HP D | 189,612 | 49.46 | 13.08 | 17.78 | 4.19 | 4.69 | 507 |
| | H25CA015 | EL240B | 1.25 CY BUCKET, LONG REACH | 148 HP D | 197,280 | 51.18 | 13.61 | 18.50 | 4.36 | 4.69 | 520 |
| | H25CA016 | E300B | 1.50 CY BUCKET | 207 HP D | 256,485 | 67.22 | 17.70 | 24.05 | 5.67 | 6.56 | 673 |
| | H25CA017 | EL300B | 1.50 CY BUCKET, LONG REACH | 207 HP D | 266,828 | 69.55 | 18.41 | 25.02 | 5.90 | 6.56 | 695 |
| | H25CA018 | 231D | 1.75 CY BUCKET | 200 HP D | 284,924 | 73.30 | 19.66 | 26.71 | 6.30 | 6.34 | 767 |
| | H25CA019 | 231DLC | 1.75 CY BUCKET, LONG REACH | 200 HP D | 291,861 | 74.87 | 20.14 | 27.36 | 6.46 | 6.34 | 773 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | | |
| | | CASE | | | | | | | | | |
| | H25CS002 | 888 | .75 CY BUCKET | 128 HP D | 110,987 | 30.86 | 7.67 | 10.41 | 2.46 | 4.06 | 356 |
| | | FIATALLIS | | | | | | | | | |
| | H25FI004 | FH120 | .78 CY BUCKET | 81 HP D | 130,281 | 33.03 | 8.99 | 12.21 | 2.88 | 2.57 | 284 |
| | | GRADALL | | | | | | | | | |
| | H25GA001 | 660E | .625 CY BUCKET | 162 HP D | 191,272 | 50.47 | 13.20 | 17.93 | 4.23 | 5.13 | 406 |
| | H25GA002 | 880E | .750 CY BUCKET | 162 HP D | 229,676 | 59.11 | 15.85 | 21.53 | 5.08 | 5.13 | 494 |
| | | HITACHI | | | | | | | | | |
| | H25HI001 | EX100 | .28 CY BUCKET | 72 HP D | 108,314 | 27.67 | 7.48 | 10.15 | 2.40 | 2.28 | 240 |
| | H25HI002 | EX100WD | .40 CY BUCKET | 108 HP D | 140,235 | 36.51 | 9.68 | 13.15 | 3.10 | 3.42 | 240 |
| | H25HI003 | EX150 | .68 CY BUCKET | 91 HP D | 126,390 | 32.62 | 8.73 | 11.85 | 2.80 | 2.88 | 320 |
| | H25HI005 | EX200LC | .74 CY BUCKET | 119 HP D | 181,274 | 46.25 | 12.51 | 16.99 | 4.01 | 3.77 | 434 |
| | H25HI016 | UE30 | .085 CY BUCKET | 23 HP D | 30,100 | 7.83 | 2.08 | 2.82 | 0.67 | 0.73 | 61 |
| | H25HI017 | UE40 | .139 CY BUCKET | 25 HP D | 34,249 | 8.85 | 2.37 | 3.21 | 0.76 | 0.79 | 71 |
| | H25HI018 | UE50 | .145 CY BUCKET | 38 HP D | 44,792 | 11.82 | 3.09 | 4.20 | 0.99 | 1.20 | 96 |
| | | INSLEY | | | | | | | | | |
| | H25IS001 | H-600C | .88 CY BUCKET | 135 HP D | 129,875 | 35.42 | 8.96 | 12.18 | 2.87 | 4.28 | 385 |
| | H25IS002 | H-800D | 1.00 CY BUCKET | 168 HP D | 166,307 | 45.13 | 11.48 | 15.59 | 3.68 | 5.32 | 440 |
| | | JOHN DEERE | | | | | | | | | |
| | H25JD001 | 15 | .050 CY BUCKET | 15 HP D | 24,202 | 6.14 | 1.68 | 2.27 | 0.54 | 0.48 | 29 |
| | H25JD002 | 25 | .100 CY BUCKET | 23 HP D | 35,710 | 9.09 | 2.47 | 3.35 | 0.79 | 0.73 | 64 |
| | H25JD003 | 50 | .160 CY BUCKET | 39 HP D | 51,462 | 13.37 | 3.55 | 4.82 | 1.14 | 1.24 | 93 |
| | H25JD004 | 70D | .310 CY BUCKET | 55 HP D | 66,707 | 17.53 | 4.61 | 6.25 | 1.48 | 1.74 | 140 |
| | H25JD005 | 490D | .500 CY BUCKET | 75 HP D | 98,832 | 25.70 | 6.83 | 9.27 | 2.19 | 2.38 | 265 |
| | H25JD006 | 590D | .625 CY BUCKET | 95 HP D | 122,803 | 32.00 | 8.48 | 11.51 | 2.72 | 3.01 | 332 |
| | H25JD007 | 690D | .880 CY BUCKET | 125 HP D | 131,072 | 35.23 | 9.05 | 12.29 | 2.90 | 3.96 | 397 |
| | H25JD008 | 790D | 1.00 CY BUCKET | 155 HP D | 183,492 | 48.40 | 12.66 | 17.20 | 4.06 | 4.91 | 501 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | KOMATSU | | | | | | | | | |
| | H25KM001 | PC 120-5 | .63 CY BUCKET | 84 HP D | 101,431 | 26.67 | 7.00 | 9.51 | 2.24 | 2.66 | 265 |
| | H25KM002 | PC 150 LC-5 | .81 CY BUCKET, LONG CARRIAGE | 99 HP D | 122,117 | 32.02 | 8.43 | 11.45 | 2.70 | 3.14 | 329 |
| | H25KM003 | PC 200 LC-5 | 1.00 CY BUCKET, LONG CARRIAGE | 123 HP D | 171,782 | 44.30 | 11.85 | 16.10 | 3.80 | 3.90 | 435 |
| | | KOEHRING | | | | | | | | | |
| | H25KO001 | 6608 | .34 CY BUCKET | 51 HP D | 76,466 | 19.55 | 5.28 | 7.17 | 1.69 | 1.62 | 168 |
| | H25KO002 | 6612 | .66 CY BUCKET | 87 HP D | 94,933 | 25.36 | 6.55 | 8.90 | 2.10 | 2.76 | 273 |
| | | MDI/YUTANI | | | | | | | | | |
| | H25MD001 | MD140BLC | .50 CY BUCKET | 84 HP D | 100,954 | 26.56 | 6.96 | 9.46 | 2.23 | 2.66 | 273 |
| | H25MD002 | MD200BLC | 1.00 CY BUCKET | 123 HP D | 162,674 | 42.25 | 11.23 | 15.25 | 3.60 | 3.90 | 434 |
| 0.12 | OVER 1 CY THRU 2-1/2 CY | | | | | | | | | | |
| | | AKERMAN | | | | | | | | | |
| | H25AK003 | H10BLC | 1.40 CY BUCKET | 166 HP D | 214,283 | 50.65 | 13.07 | 17.14 | 4.50 | 5.26 | 502 |
| | H25AK005 | H16D | 1.50 CY BUCKET | 262 HP D | 377,669 | 87.86 | 23.04 | 30.21 | 7.93 | 8.30 | 926 |
| | | BADGER | | | | | | | | | |
| | H25BA003 | 311 HOPTO | 1.88 CY BUCKET | 235 HP D | 263,066 | 63.60 | 16.05 | 21.05 | 5.52 | 7.44 | 745 |
| | H25BA004 | 900B | 2.50 CY BUCKET | 308 HP D | 316,730 | 77.73 | 19.32 | 25.34 | 6.65 | 9.76 | 1,015 |
| | | CATERPILLAR | | | | | | | | | |
| | H25CA005 | 219D | 1.13 CY BUCKET, LONG CARRIAGE | 140 HP D | 205,279 | 47.65 | 12.52 | 16.42 | 4.31 | 4.44 | 494 |
| | H25CA006 | 225D | 1.25 CY BUCKET | 165 HP D | 225,489 | 52.85 | 13.75 | 18.04 | 4.73 | 5.23 | 567 |
| | H25CA007 | 235C | 2.00 CY BUCKET | 250 HP D | 395,567 | 90.91 | 24.13 | 31.65 | 8.30 | 7.92 | 931 |
| | | FIATALLIS | | | | | | | | | |
| | H25FI005 | FH200 | 1.06 CY BUCKET | 119 HP D | 165,661 | 38.73 | 10.11 | 13.25 | 3.48 | 3.77 | 437 |
| | H25FI006 | FH220 | 1.34 CY BUCKET | 151 HP D | 204,909 | 48.07 | 12.50 | 16.39 | 4.30 | 4.78 | 546 |
| | H25FI007 | FH400 | 1.66 CY BUCKET | 280 HP D | 364,842 | 86.11 | 22.26 | 29.19 | 7.66 | 8.87 | 1,001 |

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| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | HITACHI | | | | | | | | | |
| | H25HI009 | EX270 | 1.34 CY BUCKET | 161 HP D | 245,005 | 56.59 | 14.94 | 19.60 | 5.14 | 5.10 | 573 |
| | H25HI010 | EX270LC | 1.34 CY BUCKET, LONG CARRIAGE | 161 HP D | 257,240 | 59.05 | 15.69 | 20.58 | 5.40 | 5.10 | 622 |
| | H25HI011 | EX400 | 2.40 CY BUCKET | 275 HP D | 355,369 | 83.97 | 21.68 | 28.43 | 7.46 | 8.71 | 908 |
| | H25HI012 | EX400LC | 2.40 CY BUCKET, LONG CARRIAGE | 275 HP D | 374,161 | 87.74 | 22.82 | 29.93 | 7.85 | 8.71 | 970 |
| | | INSLEY | | | | | | | | | |
| | H25IS003 | H-1000D | 1.00 CY BUCKET | 189 HP D | 195,625 | 47.95 | 11.94 | 15.65 | 4.11 | 5.99 | 549 |
| | H25IS004 | H-1500D | 1.50 CY BUCKET | 253 HP D | 292,148 | 70.27 | 17.82 | 23.37 | 6.13 | 8.02 | 783 |
| | H25IS005 | H-2500D | 1.75 CY BUCKET | 315 HP D | 349,653 | 84.66 | 21.33 | 27.97 | 7.34 | 9.98 | 969 |
| | | JOHN DEERE | | | | | | | | | |
| | H25JD010 | 892D-LC | 1.75 CY BUCKET, LONG CARRIAGE | 195 HP D | 244,846 | 58.12 | 14.94 | 19.59 | 5.14 | 6.18 | 673 |
| | | KOMATSU | | | | | | | | | |
| | H25KM004 | PC 220 LC-5 | 1.31 CY BUCKET, LONG CARRIAGE | 157 HP D | 198,812 | 47.11 | 12.12 | 15.90 | 4.17 | 4.97 | 510 |
| | H25KM005 | PC 300 LC-5 | 1.63 CY BUCKET, LONG CARRAIGE | 207 HP D | 269,433 | 63.61 | 16.44 | 21.55 | 5.66 | 6.56 | 688 |
| | | KOEHRING | | | | | | | | | |
| | H25KO003 | 6620 | 1.05 CY BUCKET | 126 HP D | 157,375 | 37.37 | 9.60 | 12.59 | 3.30 | 3.99 | 426 |
| | H25KO004 | 6625 | 1.25 CY BUCKET | 160 HP D | 197,652 | 47.03 | 12.06 | 15.81 | 4.15 | 5.07 | 580 |
| | H25KO005 | 6633 | 1.87 CY BUCKET | 227 HP D | 236,828 | 57.97 | 14.45 | 18.95 | 4.97 | 7.19 | 718 |
| | H25KO006 | 6644 | 2.00 CY BUCKET | 289 HP D | 343,165 | 82.16 | 20.93 | 27.45 | 7.20 | 9.16 | 993 |
| | | MDI/YUTANI | | | | | | | | | |
| | H25MD003 | MD240BLC | 1.38 CY BUCKET, LONG CARRIAGE | 153 HP D | 197,850 | 46.75 | 12.07 | 15.83 | 4.15 | 4.85 | 522 |
| | H25MD004 | MD300LC | 1.875 CY BUCKET, LONG CARRIAGE | 184 HP D | 240,020 | 56.64 | 14.64 | 19.20 | 5.04 | 5.83 | 690 |
| | H25MD005 | MD320BLC | 1.750 CY BUCKET, LONG CARRIAGE | 227 HP D | 240,642 | 58.73 | 14.68 | 19.25 | 5.05 | 7.19 | 703 |
| | H25MD006 | MD400LC | 2.375 CY BUCKET, LONG CARRIAGE | 247 HP D | 332,431 | 78.08 | 20.28 | 26.59 | 6.98 | 7.82 | 978 |
| | H25MD007 | MD450BLC | 2.38 CY BUCKET, LONG CARRIAGE | 286 HP D | 341,497 | 81.70 | 20.83 | 27.32 | 7.17 | 9.06 | 994 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.13 OVER 2-1/2 CY THRU 5 CY | | | | | | | | | | |
| | | BADGER | | | | | | | | | |
| | H25BA005 | 1900 | 4.50 CY BUCKET | 616 HP D | 660,983 | 160.17 | 36.60 | 46.82 | 13.19 | 19.51 | 2,050 |
| | | CATERPILLAR | | | | | | | | | |
| | H25CA008 | 245B II | 3.125 CY BUCKET | 360 HP D | 606,750 | 138.84 | 33.59 | 42.98 | 12.10 | 11.40 | 1,425 |
| | | HITACHI | | | | | | | | | |
| | H25HI019 | EX700 | 3.79 CY BUCKET | 414 HP D | 595,904 | 138.78 | 33.00 | 42.21 | 11.89 | 13.12 | 1,460 |
| | | INSLEY | | | | | | | | | |
| | H25IS006 | H-3500D | 3.75 CY BUCKET | 467 HP D | 490,353 | 119.21 | 27.15 | 34.73 | 9.78 | 14.79 | 1,380 |
| | | KOMATSU | | | | | | | | | |
| | H25KM006 | PC 650-3 | 3.70 CY BUCKET | 404 HP D | 587,451 | 136.63 | 32.53 | 41.61 | 11.72 | 12.80 | 1,438 |
| | H25KM007 | PC 1000 LC-1 | 4.80 CY BUCKET | 542 HP D | 856,706 | 197.38 | 47.43 | 60.68 | 17.09 | 17.17 | 2,277 |
| | | KOEHRING | | | | | | | | | |
| | H25KO007 | 1066 | 3.00 CY BUCKET | 420 HP D | 641,814 | 148.42 | 35.53 | 45.46 | 12.80 | 13.31 | 1,680 |
| | 0.14 OVER 5 CY | | | | | | | | | | |
| | | HITACHI | | | | | | | | | |
| | H25HI015 | EX1000 | 5.40 CY BUCKET | 512 HP D | 765,587 | 164.25 | 38.32 | 46.48 | 15.08 | 16.22 | 2,020 |
| | H25HI020 | EX1800 | 12.4 CY BUCKET | 860 HP D | 1,348,717 | 287.66 | 67.52 | 81.89 | 26.57 | 27.24 | 3,860 |
| | H25HI021 | EX3500 | 22.2 CY BUCKET | 1,634 HP D | 3,031,234 | 634.40 | 151.73 | 184.04 | 59.71 | 51.77 | 7,230 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | KOMATSU | | | | | | | | | |
| | H25KM008 | PC 1000 SE-1 | 7.50 CY BUCKET | 542 HP D | 828,020 | 177.17 | 41.45 | 50.27 | 16.31 | 17.17 | 1,841 |
| 0.20 | ATTACHMENTS (add Hydraulic Excavators) | | | | | | | | | | |
| 0.21 | MOBILE SHEARS | | | | | | | | | | |
| | | LABOUNTY | | | | | | | | | |
| | H25LU001 | MSD 7 | MOBILE SHEAR - 10" OPENING, 4' 7" REACH, ADD .10 CY EXCAVATOR | | 19,105 | 7.09 | 1.78 | 2.71 | 0.42 | 0.00 | 9 |
| | H25LU002 | MSD 7R | ROTATING MOBILE SHEAR - 10" OPENING, 5' 0" REACH, ADD .20 CY EXCAVATOR | | 22,076 | 8.22 | 2.05 | 3.13 | 0.48 | 0.00 | 11 |
| | H25LU003 | MSD 15 | MOBILE SHEAR - 18" OPENING, 6' 6" REACH, ADD .35 CY EXCAVATOR | | 34,166 | 12.75 | 3.17 | 4.84 | 0.75 | 0.00 | 30 |
| | H25LU004 | MSD 15R | ROTATING MOBILE SHEAR - 18" OPENING, 8' 6" REACH, ADD .40 CY EXCAVATOR | | 39,496 | 14.71 | 3.66 | 5.60 | 0.86 | 0.00 | 35 |
| | H25LU005 | MSD 30 | MOBILE SHEAR - 22" OPENING, 7' 0" REACH, ADD .50 CY EXCAVATOR | | 49,856 | 18.53 | 4.62 | 7.06 | 1.09 | 0.00 | 44 |
| | H25LU006 | MSD 30R | ROTATING MOBILE SHEAR - 22" OPENING, 10' 4" REACH, ADD .88 CY EXCAVATOR | | 66,301 | 24.68 | 6.15 | 9.39 | 1.45 | 0.00 | 59 |
| | H25LU007 | MSD 40 | MOBILE SHEAR - 27" OPENING, 8' 6" REACH, ADD 1.0 CY EXCAVATOR | | 54,913 | 20.60 | 5.09 | 7.78 | 1.20 | 0.00 | 69 |
| | H25LU008 | MSD 40R | ROTATING MOBILE SHEAR - 27" OPENING, 12' 6" REACH, ADD 1.25 CY EXCAVATOR | | 72,169 | 26.83 | 6.68 | 10.22 | 1.57 | 0.00 | 87 |
| | H25LU009 | MSD 50 | MOBILE SHEAR - 32" OPENING, 9' 0" REACH, ADD 1.25 CY EXCAVATOR | | 79,186 | 29.39 | 7.34 | 11.22 | 1.73 | 0.00 | 97 |
| | H25LU010 | MSD 50R | ROTATING MOBILE SHEAR - 32" OPENING, 13' 4" REACH, ADD 1.6 CY EXCAVATOR | | 95,394 | 35.35 | 8.84 | 13.51 | 2.08 | 0.00 | 120 |
| | H25LU011 | MSD 70 | MOBILE SHEAR - 35" OPENING, 10' 4" REACH, ADD 1.75 CY EXCAVATOR | | 95,040 | 35.22 | 8.80 | 13.46 | 2.07 | 0.00 | 127 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| | H25LU012 | MSD 70R | ROTATING MOBILE SHEAR - 35" OPENING, 14' 4" REACH, ADD 2.0 CY EXCAVATOR | 116,596 | 43.27 | 10.80 | 16.52 | 2.54 | 0.00 | 149 |
| | H25LU013 | MSD 100 | MOBILE SHEAR - 38" OPENING, 11' 6" REACH, ADD 2.3 CY EXCAVATOR | 120,696 | 44.80 | 11.18 | 17.10 | 2.63 | 0.00 | 149 |
| | H25LU014 | MSD 100R | ROTATING MOBILE SHEAR - 38" OPENING, 16' 0" REACH, ADD 2.5 CY EXCAVATOR | 141,451 | 52.45 | 13.10 | 20.04 | 3.08 | 0.00 | 175 |
| | H25LU015 | MSD 140 | MOBILE SHEAR - 44" OPENING, 13' 10' REACH, ADD 3.0 CY EXCAVATOR | 139,129 | 51.64 | 12.89 | 19.71 | 3.03 | 0.00 | 190 |
| | H25LU016 | MSD 140R | ROTATING MOBILE SHEAR - 44" OPENING, 18' 6" REACH, ADD 3.6 CY EXCAVATOR | 167,647 | 62.22 | 15.54 | 23.75 | 3.66 | 0.00 | 230 |
| | H25LU017 | MPS 16 | MOBILE PLATE SHEAR - 13" OPENING, ADD 1.25 CY EXCAVATOR | 54,118 | 20.13 | 5.02 | 7.67 | 1.18 | 0.00 | 40 |
| | H25LU018 | MPS 16R | ROTATING MOBILE PLATE SHEAR - 13" OPENING, ADD 1.75 CY EXCAVATOR | 65,891 | 24.44 | 6.11 | 9.33 | 1.44 | 0.00 | 64 |
| | H25LU019 | MPS 20 | MOBILE PLATE SHEAR - 14" OPENING, ADD 1.75 CY EXCAVATOR | 78,172 | 28.97 | 7.24 | 11.07 | 1.70 | 0.00 | 60 |
| | H25LU020 | MPS 20R | ROTATING MOBILE PLATE SHEAR - 14" OPENING, ADD 2.30 CY EXCAVATOR | 89,943 | 33.44 | 8.33 | 12.74 | 1.96 | 0.00 | 84 |
| | H25LU021 | MWS 154 | MOBILE WOOD SHEAR - 40" OPENING, 13' 0" REACH, ADD 1.25 CY EXCAVATOR | 61,792 | 22.90 | 5.73 | 8.75 | 1.35 | 0.00 | 74 |
| 0.22 | MATERIAL HANDLING | | | | | | | | | |
| | | LABOUNTY | | | | | | | | |
| | H25LU022 | TR 80 | .75 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD .35 CY EXCAVATOR | 5,143 | 1.86 | 0.47 | 0.69 | 0.12 | 0.00 | 8 |
| | H25LU023 | TR 100 | 1.25 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD .50 CY EXCAVATOR | 9,832 | 3.41 | 0.88 | 1.31 | 0.22 | 0.00 | 18 |
| | H25LU024 | TR 110 | 3.5 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD .88 CY EXCAVATOR | 14,357 | 4.91 | 1.28 | 1.91 | 0.32 | 0.00 | 27 |
| | H25LU025 | TR 120 | 3.5 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD 1.25 CY EXCAVATOR | 17,763 | 6.11 | 1.59 | 2.37 | 0.40 | 0.00 | 35 |
| | H25LU026 | TR 140 | 5.5 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD 1.6 CY EXCAVATOR | 20,415 | 7.06 | 1.82 | 2.72 | 0.46 | 0.00 | 49 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | CWT |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | |
| | H25LU027 | TR 160 | 6.5 CY GRAPPLE - 3 TINES TOP. 4 TINES BOTTOM, ADD 2.3 CY EXCAVATOR | 22,985 | 7.97 | 2.04 | 3.06 | 0.51 | 0.00 | 60 |
| | H25LU028 | TR 170 | 9 CY GRAPPLE - 3 TINES TOP, 4 TINES BOTTOM, ADD 3.0 CY EXCAVATOR | 29,579 | 10.20 | 2.63 | 3.94 | 0.66 | 0.00 | 80 |
| | H25LU029 | 80 RB | ROTATING BARREL HANDLER ADD EXCAVATOR | 17,775 | 6.11 | 1.59 | 2.37 | 0.40 | 0.00 | 17 |
| | H25LU030 | 80 RBC | ROTATING BARREL HANDLER/CRUSHER - ADD 1.0 CY EXCAVATOR | 29,456 | 10.06 | 2.63 | 3.93 | 0.66 | 0.00 | 21 |
| | H25LU031 | MD 30 | MATERIAL DENSIFIER - ADD 1.25 CY EXCAVATOR | 55,850 | 19.14 | 4.98 | 7.45 | 1.25 | 0.00 | 60 |
| | H25LU032 | MD50 | MATERIAL DENSIFIER - ADD 1.75 CY EXCAVATOR | 67,787 | 23.18 | 6.04 | 9.04 | 1.52 | 0.00 | 90 |
| | H25LU033 | 80R | .75 CY ROTATING GRAPPLE - ADD .88 CY EXCAVATOR | 27,114 | 9.32 | 2.42 | 3.62 | 0.61 | 0.00 | 22 |
| | H25LU034 | 100R | 1 CY ROTATING GRAPPLE - ADD 1.25 CY EXCAVATOR | 38,175 | 13.06 | 3.40 | 5.09 | 0.85 | 0.00 | 40 |
| | H25LU035 | 110R | 1.25 CY ROTATING GRAPPLE - ADD 1.75 CY EXCAVATOR | 41,111 | 14.10 | 3.66 | 5.48 | 0.92 | 0.00 | 64 |
| | H25LU036 | 120R | 2 CY ROTATING GRAPPLE - ADD 2.3 CY EXCAVATOR | 43,936 | 15.11 | 3.91 | 5.86 | 0.98 | 0.00 | 84 |
| | H25LU037 | CB2411 | CATCH BASIN - 3 CY, 11000 LB CAPACITY FOR DEBRI COLLECTION | 37,359 | 12.00 | 3.33 | 4.98 | 0.84 | 0.00 | 90 |
| 0.23 | CONCRETE PULVERIZERS | | | | | | | | | |
| | | DEMOLITION TECHNOLOGIES | | | | | | | | |
| | H25DE003 | DP100 | MOUNTED DRILL PACKAGE - ADD BACKHOE | 23,222 | 10.60 | 2.16 | 3.29 | 0.51 | 0.00 | 8 |
| | H25DE004 | DP300 | MTD DRILL PACKAGE - ADD HYD EXCAV | 35,812 | 15.76 | 3.32 | 5.07 | 0.78 | 0.00 | 22 |
| | | LABOUNTY | | | | | | | | |
| | H25LU038 | UP 4 | UNIVERSAL PROCESSOR W/ CONCRETE CRACKING JAWS - 13.5" OPENING, 3' 9" REACH, ADD .2 CY EXCAVATOR | 14,959 | 5.94 | 1.39 | 2.12 | 0.33 | 0.00 | 4 |
| | H25LU039 | UP 6 | UNIVERSAL PROCESSOR W/ CONCRETE CRACKING JAWS - 23.5" OPENING, 5' 10" REACH, ADD .4 CY EXCAVATOR | 23,924 | 9.36 | 2.22 | 3.39 | 0.52 | 0.00 | 12 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | H25LU040 | UP 50 | UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 36" OPENING, 10' 6" REACH, ADD 1.25 CY EXCAVATOR | | 55,452 | 21.74 | 5.14 | 7.86 | 1.21 | 0.00 | 82 |
| | H25LU041 | UP 70 | UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 48.25" OPENING, 11' 6" REACH, ADD 1.6 CY EXCAVATOR | | 73,355 | 28.76 | 6.80 | 10.39 | 1.60 | 0.00 | 97 |
| | H25LU042 | UP 90 | UNIVERSAL PROCESSOR W/ CONCRETE PULVERIZER JAWS - 62" OPENING, 13' 0" REACH, ADD 2.3 CY EXCAVATOR | | 102,121 | 40.02 | 9.47 | 14.47 | 2.23 | 0.00 | 166 |
| | H25LU043 | CP 10 | CONCRETE PULVERIZER - 8" THICK CONCRETE, ADD .30 CY EXCAVATOR | | 15,233 | 5.99 | 1.41 | 2.16 | 0.33 | 0.00 | 4 |
| | H25LU044 | CP 20 | CONCRETE PULVERIZER - 12.5" THICK CONCRETE, ADD .50 CY EXCAVATOR | | 18,804 | 7.36 | 1.74 | 2.66 | 0.41 | 0.00 | 8 |
| | H25LU045 | CP 30 | CONCRETE PULVERIZER - 14.5" THICK CONCRETE, ADD .75 CY EXCAVATOR | | 21,456 | 8.45 | 1.99 | 3.04 | 0.47 | 0.00 | 15 |
| | H25LU046 | CP 40 | CONCRETE PULVERIZER - 24" THICK CONCRETE, ADD 1.0 CY EXCAVATOR | | 24,135 | 9.44 | 2.24 | 3.42 | 0.53 | 0.00 | 23 |
| | H25LU047 | CP 60 | CONCRETE PULVERIZER - 30" THICK CONCRETE, ADD 1.75 CY EXCAVATOR | | 28,408 | 11.12 | 2.63 | 4.02 | 0.62 | 0.00 | 26 |
| | H25LU048 | CP 80 | CONCRETE PULVERIZER - 36" THICK CONCRETE, ADD 2.0 CY EXCAVATOR | | 30,896 | 12.14 | 2.86 | 4.38 | 0.67 | 0.00 | 37 |
| | H25LU049 | CP 100 | CONCRETE PULVERIZER - 42" THICK CONCRETE, ADD 3.0 CY EXCAVATOR | | 38,149 | 14.92 | 3.53 | 5.40 | 0.83 | 0.00 | 49 |
| | H25LU050 | CP 120 | CONCRETE PULVERIZER - 48" THICK CONCRETE, ADD 3.5 CY EXCAVATOR | | 42,314 | 16.56 | 3.92 | 5.99 | 0.92 | 0.00 | 78 |
| | H25LU051 | CP 140 | CONCRETE PULVERIZER - ADD 4.0 CY EXCAVATOR | | 51,853 | 20.21 | 4.81 | 7.35 | 1.13 | 0.00 | 87 |
| | H25LU052 | CP 160 | CONCRETE PULVERIZER - ADD 5.0 CY EXCAVATOR | | 70,293 | 27.13 | 6.51 | 9.96 | 1.53 | 0.00 | 95 |
| **H30 HYDRAULIC EXCAVATORS, WHEEL MTD** | | | | | | | | | | | |
| 0.01 | 0 THRU 1 CY | | | | | | | | | | |
| | | AKERMAN | | | | | | | | | |
| | H30AK001 | H7MC | .95 CY BUCKET, 4X4 | 145 HP D | 172,658 | 41.65 | 12.28 | 17.12 | 3.72 | 5.01 | 322 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | BADGER | | | | | | | | | |
| | H30BA001 | 300 | .5 CY BUCKET, HYDRO-SCOPIC, 6X4 (WITH CARRIER ENGINE) | 85 HP D<br>200 HP D | 158,352 | 38.53 | 11.00 | 15.18 | 3.41 | 4.73 | 326 |
| | H30BA002 | 888 | 1.0 CY BUCKET, HYDRO-SCOPIC, 6X4 (WITH CARRIER ENGINE) | 162 HP D<br>230 HP D | 268,501 | 64.53 | 19.09 | 26.62 | 5.78 | 7.65 | 518 |
| | | CATERPILLAR | | | | | | | | | |
| | H30CA001 | 206 | .59 CY BUCKET | 71 HP D | 104,814 | 24.49 | 7.33 | 10.13 | 2.26 | 2.45 | 283 |
| | H30CA002 | 212 | .77 CY BUCKET | 94 HP D | 131,113 | 30.87 | 9.20 | 12.76 | 2.82 | 3.25 | 330 |
| | H30CA003 | 214B | .91 CY BUCKET | 110 HP D | 150,757 | 35.58 | 10.62 | 14.73 | 3.25 | 3.80 | 366 |
| | | GRADALL | | | | | | | | | |
| | H30GA002 | G660E | .500 CY BUCKET, 6X4,TELESCOPIC BOOM (WITH CARRIER ENGINE) | 177 HP D<br>210 HP D | 214,382 | 54.28 | 15.14 | 21.06 | 4.61 | 7.99 | 433 |
| | H30GA003 | G3WD | .625 CY BUCKET, 4X2,TELESCOPIC BOOM | 143 HP D | 131,868 | 33.41 | 9.31 | 12.94 | 2.84 | 4.94 | 340 |
| | H30GA004 | G3WD | .625 CY BUCKET, 4X4,TELESCOPIC BOOM | 143 HP D | 145,510 | 36.14 | 10.26 | 14.25 | 3.13 | 4.94 | 347 |
| | H30GA005 | G880E | .750 CY BUCKET, 6X4,TELESCOPIC BOOM (WITH CARRIER ENGINE) | 162 HP D<br>225 HP D | 250,534 | 60.96 | 17.73 | 24.68 | 5.39 | 7.61 | 534 |
| 0.02 | OVER 1 CY | | | | | | | | | | |
| | | AKERMAN | | | | | | | | | |
| | H30AK002 | H10MB | 1.40 CY BUCKET, 4X4 | 166 HP D | 217,277 | 47.46 | 13.58 | 18.31 | 4.42 | 5.74 | 414 |
| | | CATERPILLAR | | | | | | | | | |
| | H30CA004 | 224B | 1.28 CY BUCKET | 135 HP D | 204,296 | 43.63 | 12.70 | 17.09 | 4.15 | 4.67 | 472 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **H35 HYDRAULIC SHOVELS, CRAWLER MOUNTED** | | | | | | | | | | | |
| 0.10 | DIESEL | | | | | | | | | | |
| 0.11 | 0 CY THRU 5 CY | | | | | | | | | | |
| | | HITACHI | | | | | | | | | |
| | H35HI004 | EX700 | 4.71 CY BUCKET, SHOVEL | 414 HP D | 605,552 | 119.18 | 30.32 | 36.77 | 11.93 | 13.12 | 1,434 |
| 0.12 | OVER 5 CY | | | | | | | | | | |
| | | HITACHI | | | | | | | | | |
| | H35HI001 | EX1000 | 7.20 CY BUCKET, SHOVEL | 512 HP D | 809,370 | 155.34 | 37.29 | 43.00 | 15.79 | 16.22 | 2,060 |
| | H35HI002 | EX1800 | 13.50 CY BUCKET, SHOVEL | 920 HP D | 1,349,669 | 261.72 | 62.18 | 71.70 | 26.33 | 29.15 | 3,900 |
| | H35HI003 | EX3500 | 23.50 CY BUCKET, SHOVEL | 1,660 HP D | 3,032,424 | 571.53 | 139.71 | 161.10 | 59.16 | 52.59 | 7,280 |
| **L10 LAND CLEARING EQUIPMENT** | | | | | | | | | | | |
| | | BALDERSON | | | | | | | | | |
| | L10BS001 | BHTS 30 | HYDR. TREE SHEAR FOR 953 LOADER | | 22,034 | 6.15 | 1.57 | 2.20 | 0.47 | 0.00 | 41 |
| | L10BS002 | BMA8 | MULTIAPPLICATION RAKE FOR D8L TRCTR | | 20,314 | 5.61 | 1.46 | 2.03 | 0.44 | 0.00 | 70 |
| | L10BS003 | BTXC973 | CLAMP RAKE FOR 973 LOADER | | 27,004 | 7.36 | 1.93 | 2.70 | 0.58 | 0.00 | 59 |
| | L10BS004 | BBL7 | BLADE RAKE FOR D7H TRACTOR | | 8,905 | 2.58 | 0.64 | 0.89 | 0.19 | 0.00 | 24 |
| | L10BS005 | BRK8 | ROCK & ROOT RAKE FOR D8L TRACTOR | | 20,212 | 5.59 | 1.45 | 2.02 | 0.44 | 0.00 | 72 |
| | L10BS006 | VT8 | V-TREE CUTTER FOR D8L TRACTOR | | 30,923 | 8.49 | 2.22 | 3.09 | 0.67 | 0.00 | 127 |
| | L10BS007 | | LOGGING FORK FOR 988 LOADER | | 36,930 | 10.15 | 2.64 | 3.69 | 0.79 | 0.00 | 90 |
| | | BUSH HOG | | | | | | | | | |
| | L10BU001 | 268RP | ROTARY CUTTER, 8'WIDTH, 2.5"-12" HT CENTER MOUNT (ADD 40HP TRACTOR) | | 4,503 | 1.98 | 0.33 | 0.45 | 0.10 | 0.00 | 13 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | L10BU002 | 1310SW | ROTARY CUTTER, 10.5'WIDTH, 2"-12"HT STRAIGHT BLADE (ADD 50HP TRACTOR) | | 8,775 | 3.80 | 0.63 | 0.88 | 0.19 | 0.00 | 30 |
| | L10BU003 | 1315SW | ROTARY CUTTER, 15' WIDTH, 2"-12"HT STRAIGHT BLADE (ADD 60HP TRACTOR) | | 11,830 | 5.09 | 0.84 | 1.18 | 0.25 | 0.00 | 32 |
| | L10BU004 | 1220SW | ROTARY CUTTER, 20' WIDTH, 2"-12"HT STRAIGHT BLADE (ADD 70HP TRACTOR) | | 14,817 | 6.37 | 1.06 | 1.48 | 0.32 | 0.00 | 48 |
| | L10BU005 | SM-60 | ROTARY CUTTER, SIDE MOUNT, 5' WIDTH MIN TRACTOR LIFT CAP - 3200# @ 24" | | 6,128 | 2.70 | 0.44 | 0.61 | 0.13 | 0.00 | 16 |
| | L10BU006 | FM60-01 | FLAIL MOWER, 57" WIDE, 4" HT, 1"CAP (ADD 15-40 HP TRACTOR) | | 2,084 | 1.24 | 0.15 | 0.21 | 0.04 | 0.00 | 7 |
| | L10BU007 | FM72-01 | FLAIL MOWER, 68" WIDE, 4" HT, 1"CAP (ADD 15-40 HP TRACTOR) | | 2,208 | 1.38 | 0.16 | 0.22 | 0.05 | 0.00 | 7 |
| | L10BU008 | FH60-01 | FLAIL MOWER, 57" WIDE,0-3"HT, 2"CAP (ADD 30-60 HP TRACTOR) | | 2,391 | 1.42 | 0.17 | 0.24 | 0.05 | 0.00 | 8 |
| | L10BU009 | FH72-01 | FLAIL MOWER, 68" WIDE,0-3"HT, 2"CAP (ADD 30-60 HP TRACTOR) | | 2,497 | 1.55 | 0.18 | 0.25 | 0.05 | 0.00 | 7 |
| | | CHIPMORE | | | | | | | | | |
| | L10CI001 | B18SP-R | STUMP CUTTER, 15" REAR WHEEL CUTTER | 18 HP G | 5,071 | 3.64 | 0.37 | 0.51 | 0.11 | 1.71 | 4 |
| | | VERMEER | | | | | | | | | |
| | L10VE001 | 206 | STUMPER, 16" DIA WHEEL, TRAILER MTD | 19 HP G | 6,497 | 4.13 | 0.46 | 0.64 | 0.14 | 1.80 | 8 |
| | L10VE002 | 630B | STUMPER, 18" DIA WHEEL, TRAILER MTD | 34 HP G | 7,022 | 6.18 | 0.50 | 0.69 | 0.15 | 3.23 | 16 |
| | L10VE003 | 665A | STUMPER, 28" DIA WHEEL, TRAILER MTD | 62 HP G | 18,856 | 12.88 | 1.35 | 1.87 | 0.41 | 5.88 | 34 |
| | L10VE004 | 2465 | STUMPER, 36" DIA WHEEL, TRAILER MTD | 62 HP G | 29,698 | 15.71 | 2.12 | 2.95 | 0.64 | 5.88 | 49 |
| | L10VE005 | TS-30 | TREE SPADE, 30" DIAMETER, 24" DEPTH TRAILER MOUNTED | 13 HP G | 13,533 | 5.21 | 0.96 | 1.34 | 0.29 | 1.23 | 38 |
| | L10VE006 | TS-44A | TREE SPADE, 44" DIAMETER, 40" DEPTH TRAILER MOUNTED | 13 HP G | 18,114 | 6.40 | 1.29 | 1.79 | 0.39 | 1.23 | 66 |
| | L10VE007 | TS-50M | TREE SPADE, 50" DIAMETER, 48" DEPTH (ADD 13,800 GVW TRUCK) | | 18,156 | 6.25 | 1.30 | 1.82 | 0.39 | 0.00 | 81 |
| | L10VE008 | TS-84-T | TREE SPADE, 84" DIAMETER, 54" DEPTH (ADD 34,000 GVW TRUCK) | | 61,177 | 19.00 | 4.38 | 6.12 | 1.32 | 0.00 | 271 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OF OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OF OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **L15 LAWN MOWERS** | | | | | | | | | | | |
| | | | EXCEL | | | | | | | | |
| | L15EX001 | HUSTLER 275 | 60" 3-WAY DECK | 23 HP G | 12,927 | 9.57 | 1.66 | 2.70 | 0.31 | 2.92 | 21 |
| | L15EX002 | HUSTLER 320 | 72" STANDARD ROTARY MOWER DECK | 22 HP D | 14,497 | 7.76 | 1.86 | 3.04 | 0.34 | 0.95 | 24 |
| | L15EX003 | HUSTLER-320WING | 72" STD DK W/RIGHT WING - 47" CUT | 23 HP D | 17,056 | 8.97 | 2.19 | 3.58 | 0.40 | 0.99 | 25 |
| | L15EX004 | HUSTLER 340 | 72" STANDARD ROTARY MOWER DECK | 28 HP D | 16,091 | 8.82 | 2.07 | 3.38 | 0.38 | 1.21 | 24 |
| | L15EX005 | HUSTLER 400 | 72" STANDARD ROTARY MOWER DECK | 34 HP G | 14,871 | 12.24 | 1.91 | 3.12 | 0.35 | 4.32 | 24 |
| | L15EX006 | HUSTLER 440 | 72" STANDARD ROTARY MOWER DECK | 43 HP G | 15,665 | 14.06 | 2.01 | 3.28 | 0.37 | 5.46 | 24 |
| | L15EX007 | HUSTLER 440WING | 72" STD DECK W/L&R WINGS - 12'2"CUT | 43 HP G | 18,376 | 15.28 | 2.36 | 3.86 | 0.43 | 5.46 | 25 |
| | L15EX008 | HUSTLER 640 | 72" HEAVY DUTY DUAL-TRIM DECK | 29 HP D | 27,936 | 14.20 | 3.58 | 5.84 | 0.66 | 1.25 | 37 |
| | L15EX009 | HI-LIFT BAC-VAC | 72" LAWN VACUUM,STD DECK,15 BU CAP. (ADD MOWER MODEL 400) | 43 HP G | 18,036 | 15.14 | 2.33 | 3.79 | 0.43 | 5.46 | 25 |
| | | | TORO | | | | | | | | |
| | L15TO001 | 22525 | 21" REAR BAGGER - PUSH MOWER | 5 HP G | 735 | 1.15 | 0.10 | 0.16 | 0.02 | 0.63 | 1 |
| | L15TO002 | 56150 | 32" RIDING MOWER | 8 HP G | 1,814 | 2.10 | 0.22 | 0.35 | 0.04 | 1.02 | 4 |
| | L15TO003 | 30754 | 44" DECK GROUNDMASTER-117 TRACTOR | 17 HP G | 6,364 | 5.63 | 0.81 | 1.32 | 0.15 | 2.16 | 9 |
| | L15TO004 | 30754 | 52" DECK W/GROUNDMASTER-117 TRACTOR | 17 HP G | 6,670 | 5.77 | 0.85 | 1.38 | 0.16 | 2.16 | 9 |
| | L15TO005 | 30794 | 62" DECK W/GROUNDMASTER-220D TRACTR | 21 HP D | 13,824 | 7.39 | 1.78 | 2.89 | 0.33 | 0.91 | 13 |
| | L15TO006 | 30790 | 62" DECK W/GROUNDMASTER-220 TRACTOR | 20 HP G | 11,384 | 8.39 | 1.46 | 2.38 | 0.27 | 2.54 | 11 |
| | L15TO007 | 30790 | 72" DECK W/GROUNDMASTER-220 TRACTOR | 20 HP G | 12,043 | 8.68 | 1.54 | 2.52 | 0.28 | 2.54 | 13 |
| | L15TO008 | 30794 | 72" DECK W/GROUNDMASTER-220D TRACTR | 21 HP D | 14,510 | 7.70 | 1.86 | 3.04 | 0.34 | 0.91 | 16 |
| **L20 LIGHTING SETS, TRAILER MOUNTED** | | | | | | | | | | | |
| | 0.10 | METALLIC VAPOR | | | | | | | | | |
| | | | ALLMAND BROS. | | | | | | | | |
| | L20AB001 | MAXI-LITE IIIH | 6.0KW 4/1000W, W/GEN SET HYDRAULIC MAST, TRLR MTD | 15 HP D | 17,015 | 6.75 | 1.16 | 1.55 | 0.38 | 0.68 | 28 |
| | L20AB002 | MAXI-LITE IIICE | 6.0KW 4/1000W, W/GEN SET CABLE ELECTRIC MAST, TRLR MTD | 15 HP D | 15,725 | 6.30 | 1.07 | 1.43 | 0.35 | 0.68 | 28 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | |
| | L20AB003 | SUNDOWNER 1800 | 2.5 KW 2/1000W, W/GEN SET, TRLR MTD | 5 HP D | 10,091 | 3.75 | 0.67 | 0.90 | 0.22 | 0.23 | 16 |
| | L20AB004 | NITE-LITE 2 | 2.5 KW 2/1000W, W/GEN SET, TRLR MTD | 5 HP D | 7,635 | 2.90 | 0.51 | 0.67 | 0.17 | 0.23 | 13 |
| | L20AB005 | NITE-LITE 4 | 5.0 KW 2/1000W, W/GEN SET, TRLR MTD | 10 HP D | 11,033 | 4.37 | 0.74 | 0.99 | 0.24 | 0.45 | 21 |
| | L20AB006 | 1800 SERIES | FLASHING ARROW, TRLR MTD, 25 LIGHT | 5 HP G | 4,780 | 2.49 | 0.32 | 0.41 | 0.11 | 0.67 | 12 |
| | L20AB007 | 1800 SERIES | FLASHING ARROW, TRLR MTD, 25 LIGHT | 5 HP D | 5,789 | 2.26 | 0.38 | 0.50 | 0.13 | 0.23 | 12 |
| | L20AB008 | 2000 SERIES | FLASHING ARROW, TRLR MTD, 25 LIGHT | 5 HP G | 4,298 | 2.31 | 0.28 | 0.36 | 0.10 | 0.67 | 13 |
| | L20AB009 | 2000 SERIES | FLASHING ARROW, TRLR MTD, 25 LIGHT | 5 HP D | 5,339 | 2.11 | 0.35 | 0.46 | 0.12 | 0.23 | 14 |
| | L20AB010 | 2200 SERIES | FLASHING ARROW, TRLR MTD, 25 LIGHT SOLAR ASSIST | 5 HP E | 6,509 | 2.76 | 0.43 | 0.57 | 0.14 | 0.34 | 10 |
| | L20AB011 | 2200 SERIES | FLASHING ARROW, TRLR MTD, 25 LIGHT RECHARGABLE | 5 HP E | 4,558 | 2.08 | 0.30 | 0.39 | 0.10 | 0.34 | 10 |
| | | AMIDA | | | | | | | | | |
| | L20AI001 | MITI-LITE 500-4 | 4.0KW, 4/500W, W/GEN TRAILER MTD | 4 HP G | 4,932 | 2.39 | 0.34 | 0.45 | 0.11 | 0.54 | 6 |
| | L20AI002 | SL4060D-4 | 6.0KW, 4/1000W, W/GEN TRAILER MTD | 11 HP D | 13,874 | 5.47 | 0.95 | 1.28 | 0.31 | 0.50 | 21 |
| | L20AI003 | LT5080D-4 | 6.0KW, 4/1000W, W/GEN TRAILER MTD MANUAL-CABLE WINCH RAISED MAST | 16 HP D | 15,989 | 6.48 | 1.09 | 1.48 | 0.35 | 0.72 | 28 |
| | L20AI004 | LT7080D-6 | 8.0KW, 6/1000W, W/GEN TRAILER MTD HYDRAULIC RAISED MAST | 16 HP G | 20,828 | 10.01 | 1.43 | 1.94 | 0.46 | 2.15 | 33 |
| **L25 LINE STRIPING EQUIPMENT** | | | | | | | | | | | |
| | | M-B | | | | | | | | | |
| | L25MB001 | 3-10 | WALK BEHIND STRIPER | 4 HP G | 3,049 | 2.37 | 0.22 | 0.29 | 0.07 | 0.54 | 4 |
| | L25MB002 | 5-10 | WALK BEHIND STRIPER | 6 HP G | 3,877 | 3.21 | 0.27 | 0.36 | 0.09 | 0.81 | 6 |
| | L25MB003 | 6-28 | INTERMEDIATE LINE STRIPER | 10 HP G | 10,837 | 6.26 | 0.75 | 1.02 | 0.24 | 1.35 | 15 |
| | L25MB004 | VANMARK 360 | PAVING STRIPER WITH 11,000# GVW TRK | 190 HP G | 78,392 | 57.98 | 5.36 | 7.26 | 1.73 | 25.58 | 116 |
| **L30 LOADERS, BELT** | | | | | | | | | | | |
| | | KOLMAN | | | | | | | | | |
| | L30KL001 | 101-XHD | 24" X 50' - 355 TON/HR | 10 HP D | 27,382 | 6.68 | 1.56 | 1.97 | 0.57 | 0.35 | 96 |
| | L30KL002 | MODEL 45 | PLATE FEEDER DOZER TRAP | 5 HP D | 8,136 | 2.06 | 0.50 | 0.65 | 0.17 | 0.17 | 34 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | L30KL003 | | BELT FEEDER DOZER TRAP | 3 HP D | 10,375 | 2.47 | 0.64 | 0.83 | 0.22 | 0.10 | 33 |
| | L30KL004 | | WING WALLS STATIONARY | | 1,632 | 0.36 | 0.10 | 0.13 | 0.03 | 0.00 | 9 |
| | L30KL005 | | TUNNEL EXTENSION WITH BACKBOARDS | | 8,341 | 1.89 | 0.52 | 0.67 | 0.18 | 0.00 | 55 |
| | L30KL006 | SB-70 | SINGLE DECK SCREEN, 7' X 42" | 3 HP D | 6,253 | 1.54 | 0.38 | 0.50 | 0.13 | 0.10 | 18 |
| | L30KL007 | DC-70-42 | DOUBLE DECK SCREEN, 7' X 42" | 5 HP D | 8,492 | 2.14 | 0.52 | 0.68 | 0.18 | 0.17 | 25 |
| | L30KL008 | TC-70-42 | TRIPLE DECK SCREEN, 7' X 42" | 5 HP D | 11,963 | 2.92 | 0.73 | 0.96 | 0.25 | 0.17 | 33 |
| | L30KL009 | XHD | CONVEYOR JACKLEG | | 1,256 | 0.29 | 0.08 | 0.10 | 0.03 | 0.00 | 7 |
| | L30KL010 | 101-XHD | 30" X 50' - 615 TON/HR | 20 HP D | 28,913 | 7.52 | 1.65 | 2.07 | 0.61 | 0.69 | 105 |
| | L30KL011 | MODEL 45 | PLATE FEEDER DOZER TRAP | 8 HP D | 9,567 | 2.53 | 0.59 | 0.77 | 0.20 | 0.28 | 42 |
| | L30KL012 | | BELT FEEDER DOZER TRAP | 5 HP D | 11,507 | 2.82 | 0.70 | 0.92 | 0.24 | 0.17 | 40 |
| | L30KL013 | | WING WALLS STATIONARY | | 1,632 | 0.36 | 0.10 | 0.13 | 0.03 | 0.00 | 9 |
| | L30KL014 | | TUNNEL EXTENSION WITH BACKBOARDS | | 8,341 | 1.89 | 0.52 | 0.67 | 0.18 | 0.00 | 55 |
| | L30KL015 | SB-80 | SINGLE DECK SCREEN, 8' X 48" | 3 HP D | 7,592 | 1.84 | 0.47 | 0.61 | 0.16 | 0.10 | 22 |
| | L30KL016 | DC-80-48 | DOUBLE DECK SCREEN, 8' X 48" | 5 HP D | 10,434 | 2.57 | 0.64 | 0.83 | 0.22 | 0.17 | 34 |
| | L30KL017 | TC-80-48 | TRIPLE DECK SCREEN, 8' X 48" | 8 HP D | 14,074 | 3.55 | 0.87 | 1.13 | 0.30 | 0.28 | 43 |
| | L30KL018 | XHD | CONVEYOR JACKLEG | | 1,256 | 0.29 | 0.08 | 0.10 | 0.03 | 0.00 | 7 |
| | L30KL019 | 101-XHD | 36" X 50' - 910 TON/HR | 30 HP D | 34,724 | 9.35 | 1.98 | 2.49 | 0.73 | 1.04 | 111 |
| | L30KL020 | MODEL 45 | PLATE FEEDER DOZER TRAP | 9 HP D | 10,126 | 2.69 | 0.62 | 0.81 | 0.21 | 0.31 | 45 |
| | L30KL021 | | BELT FEEDER DOZER TRAP | 7 HP D | 12,439 | 3.12 | 0.76 | 1.00 | 0.26 | 0.24 | 42 |
| | L30KL022 | | WING WALLS STATIONARY | | 1,632 | 0.36 | 0.10 | 0.13 | 0.03 | 0.00 | 9 |
| | L30KL023 | | TUNNEL EXTENSION WITH BACKBOARDS | | 8,341 | 1.89 | 0.52 | 0.67 | 0.18 | 0.00 | 55 |
| | L30KL024 | SB-90 | SINGLE DECK SCREEN, 9' X 54" | 5 HP D | 8,607 | 2.17 | 0.53 | 0.69 | 0.18 | 0.17 | 27 |
| | L30KL025 | DC-90-54 | DOUBLE DECK SCREEN, 9' X 54" | 8 HP D | 11,921 | 3.05 | 0.73 | 0.95 | 0.25 | 0.28 | 42 |
| | L30KL026 | TC-90-54 | TRIPLE DECK SCREEN, 9' X 54" | 8 HP D | 13,813 | 3.48 | 0.85 | 1.11 | 0.29 | 0.28 | 45 |
| | L30KL027 | XHD | CONVEYOR JACKLEG | | 1,256 | 0.29 | 0.08 | 0.10 | 0.03 | 0.00 | 7 |
| | L30KL028 | 101-XHD | 42" X 50'- 1260 TON/HR | 40 HP D | 37,415 | 10.43 | 2.13 | 2.68 | 0.79 | 1.38 | 118 |
| | L30KL029 | MODEL 45 | PLATE FEEDER DOZER TRAP | 11 HP D | 12,335 | 3.28 | 0.76 | 0.99 | 0.26 | 0.38 | 48 |
| | L30KL030 | | BELT FEEDER DOZER TRAP | 9 HP D | 12,493 | 3.22 | 0.76 | 1.00 | 0.26 | 0.31 | 44 |
| | L30KL031 | | WING WALLS STATIONARY | | 1,632 | 0.36 | 0.10 | 0.13 | 0.03 | 0.00 | 9 |
| | L30KL032 | | TUNNEL EXTENSION WITH BACKBOARDS | | 8,341 | 1.89 | 0.52 | 0.67 | 0.18 | 0.00 | 55 |
| | L30KL033 | SB-100 | SINGLE DECK SCREEN, 10' X 60" | 5 HP D | 11,148 | 2.73 | 0.68 | 0.89 | 0 23 | 0.17 | 36 |
| | L30KL034 | DC-100 | DOUBLE DECK SCREEN, 10' X 60" | 8 HP D | 13,113 | 3.33 | 0.81 | 1.05 | 0.28 | 0.28 | 42 |
| | L30KL035 | THV-100 | TRIPLE DECK SCREEN, 10' X 60" | 10 HP D | 20,034 | 4.97 | 1.22 | 1.60 | 0.42 | 0.35 | 61 |
| | L30KL036 | XHD | CONVEYOR JACKLEG | | 1,256 | 0.29 | 0.08 | 0.10 | 0.03 | 0.00 | 7 |
| | L30KL037 | 101-XHD | 48" X 50'- 1700 TON/HR | 50 HP D | 49,328 | 13.65 | 2.83 | 3.58 | 1.04 | 1.73 | 140 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | L30KL038 | MODEL 45 | PLATE FEEDER DOZER TRAP | 15 HP D | 17,008 | 4.52 | 1.04 | 1.36 | 0.36 | 0.52 | 51 |
| | L30KL039 | | BELT FEEDER DOZER TRAP | 10 HP D | 16,326 | 4.14 | 1.00 | 1.31 | 0.34 | 0.35 | 48 |
| | L30KL040 | | WING WALLS STATIONARY | | 1,632 | 0.36 | 0.10 | 0.13 | 0.03 | 0.00 | 9 |
| | L30KL041 | | TUNNEL EXTENSION WITH BACKBOARDS | | 9,898 | 2.23 | 0.61 | 0.79 | 0.21 | 0.00 | 62 |
| | L30KL042 | SB-120 | SINGLE DECK SCREEN, 12' X 60" | 8 HP D | 12,982 | 3.29 | 0.79 | 1.04 | 0.27 | 0.28 | 45 |
| | L30KL043 | DHV-120 | DOUBLE DECK SCREEN, 12' X 60" | 10 HP D | 23,546 | 5.75 | 1.43 | 1.88 | 0.49 | 0.35 | 79 |
| | L30KL044 | THV-120 | TRIPLE DECK SCREEN, 12' X 60" | 10 HP D | 26,508 | 6.43 | 1.62 | 2.12 | 0.56 | 0.35 | 80 |
| | L30KL045 | XHD | CONVEYOR JACKLEG | | 1,256 | 0.29 | 0.08 | 0.10 | 0.03 | 0.00 | 7 |
| | L30KL046 | 303 | 2,000 CY/HR,48" X 50' BELT,PORTABLE | 125 HP D | 208,565 | 52.92 | 12.49 | 16.22 | 4.38 | 4.32 | 627 |
| | L30KL047 | 303 | 2,000 CY/HR,48" X 60' BELT,PORTABLE | 185 HP D | 230,745 | 60.70 | 13.82 | 17.95 | 4.84 | 6.39 | 662 |
| | L30KL048 | 303 | 3,600 CY/HR,60" X 50' BELT,PORTABLE | 185 HP D | 238,328 | 62.66 | 14.17 | 18.34 | 5.00 | 6.39 | 682 |
| | L30KL049 | 303 | 3,600 CY/HR,60" X 60' BELT,PORTABLE | 290 HP D | 263,192 | 73.20 | 15.64 | 20.23 | 5.52 | 10.02 | 737 |
| | L30KL050 | 404 | 2,000 CY/HR,48" X 50' BELT,PORTABLE | 185 HP D | 252,425 | 65.53 | 15.17 | 19.73 | 5.30 | 6.39 | 616 |
| | L30KL051 | 404 | 2,000 CY/HR,48" X 60' BELT,PORTABLE | 185 HP D | 266,690 | 68.79 | 16.01 | 20.82 | 5.60 | 6.39 | 650 |
| | L30KL052 | 404 | 3,600 CY/HR,60" X 50' BELT,PORTABLE | 290 HP D | 300,402 | 81.45 | 17.96 | 23.30 | 6.31 | 10.02 | 671 |
| | L30KL053 | 404 | 3,600 CY/HR,60" X 60' BELT,PORTABLE | 290 HP D | 322,315 | 86.52 | 19.25 | 24.96 | 6.77 | 10.02 | 724 |
| | L30KL054 | SB-120 | SINGLE DECK SCREEN, 12' X 72" | 8 HP D | 17,126 | 4.23 | 1.05 | 1.37 | 0.36 | 0.28 | 50 |
| | L30KL055 | DHV-120 | DOUBLE DECK SCREEN, 12' X 72" | 15 HP D | 28,747 | 7.16 | 1.75 | 2.30 | 0.60 | 0.52 | 81 |
| | L30KL056 | THV-120 | TRIPLE DECK SCREEN, 12' X 72" | 15 HP D | 31,020 | 7.67 | 1.89 | 2.48 | 0.65 | 0.52 | 84 |
| | L30KL057 | | SINGLE DECK VIBRATING GRIZZLE 72"W | 15 HP D | 28,427 | 7.09 | 1.74 | 2.27 | 0.60 | 0.52 | 89 |
| | | MAXON INDUSTRIES | | | | | | | | | |
| | L30MX008 | | SLIDER BELT CONVEYOR<br>300 FPM, 1 CY PER MINUTE | | 5,829 | 2.06 | 0.36 | 0.47 | 0.12 | 0.00 | 1 |
| **L35 LOADERS, FRONT END, CRAWLER TYPE** | | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | L35CA001 | 931C | 1.00 CY | 67 HP D | 61,896 | 20.28 | 3.78 | 4.95 | 1.30 | 2.51 | 167 |
| | L35CA002 | 931C LGP | 1.00 CY | 67 HP D | 67,970 | 21.93 | 4.15 | 5.44 | 1.43 | 2.51 | 221 |
| | L35CA003 | 935C | 1.30 CY | 78 HP D | 69,818 | 23.02 | 4.27 | 5.59 | 1.47 | 2.92 | 180 |
| | L35CA004 | 943 | 1.50 CY | 80 HP D | 106,003 | 32.85 | 6.46 | 8.48 | 2.22 | 3.00 | 270 |
| | L35CA005 | 953 | 2.00 CY | 110 HP D | 136,926 | 42.79 | 8.35 | 10.95 | 2.87 | 4.12 | 309 |
| | L35CA006 | 963 | 2.60 CY | 150 HP D | 187,649 | 58.61 | 11.45 | 15.01 | 3.94 | 5.62 | 407 |
| | L35CA007 | 973 | 3.75 CY | 210 HP D | 283,964 | 87.77 | 17.32 | 22.72 | 5.96 | 7.86 | 552 |

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| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| | | CASE | | | | | | | | | |
| | L35CS001 | 455C | 1.00 CY, POWERSHIFT | 63 HP D | 59,950 | 19.55 | 3.66 | 4.80 | 1.26 | 2.36 | 150 |
| | L35CS002 | 855D | 1.50 CY, POWERSHIFT/TC | 82 HP D | 80,479 | 26.09 | 4.91 | 6.44 | 1.69 | 3.07 | 208 |
| | L35CS003 | 1155E | 2.00 CY, POWERSHIFT/TC | 118 HP D | 104,675 | 34.55 | 6.39 | 8.37 | 2.20 | 4.42 | 284 |
| | | FIATALLIS | | | | | | | | | |
| | L35FI001 | FL5B | 1.00 CY, POWERSHIFT | 70 HP D | 68,537 | 22.23 | 4.18 | 5.48 | 1.44 | 2.62 | 183 |
| | L35FI002 | FL7B | 1.50 CY, POWERSHIFT/TC | 85 HP D | 88,629 | 28.44 | 5.41 | 7.09 | 1.86 | 3.18 | 211 |
| | L35FI003 | FL10E | 2.20 CY, POWERSHIFT/TC | 127 HP D | 137,692 | 43.92 | 8.40 | 11.02 | 2.89 | 4.75 | 294 |
| | L35FI004 | FL14E | 2.75 CY, POWERSHIFT | 168 HP D | 179,998 | 57.53 | 10.98 | 14.40 | 3.78 | 6.29 | 392 |
| | L35FI005 | FL20 | 3.50 CY, POWERSHIFT | 227 HP D | 286,612 | 89.41 | 17.49 | 22.93 | 6.02 | 8.50 | 577 |
| | | INTERNATIONAL/DRESSER | | | | | | | | | |
| | L35ID001 | 100G | 1.13 CY, POWERSHIFT | 70 HP D | 64,762 | 21.22 | 3.95 | 5.18 | 1.36 | 2.62 | 160 |
| | L35ID002 | 125G | 1.38 CY, POWERSHIFT | 80 HP D | 85,543 | 27.35 | 5.22 | 6.84 | 1.80 | 3.00 | 198 |
| | L35ID003 | 175C | 2.00 CY, POWERSHIFT | 140 HP D | 128,644 | 42.19 | 7.85 | 10.29 | 2.70 | 5.24 | 317 |
| | L35ID004 | 200 | 2.60 CY, POWERSHIFT | 165 HP D | 163,219 | 52.86 | 9.96 | 13.06 | 3.43 | 6.18 | 379 |
| | L35ID005 | 250E | 3.25 CY, POWERSHIFT | 215 HP D | 208,074 | 67.63 | 12.70 | 16.65 | 4.37 | 8.05 | 460 |
| | | JOHN DEERE | | | | | | | | | |
| | L35JD002 | 455G | 1.25 CY | 70 HP D | 59,673 | 19.84 | 3.64 | 4.77 | 1.25 | 2.62 | 175 |
| | L35JD003 | 555G | 1.50 CY | 90 HP D | 77,919 | 25.84 | 4.76 | 6.23 | 1.64 | 3.37 | 197 |
| | L35JD004 | 655B | 2.00 CY | 120 HP D | 105,084 | 34.77 | 6.42 | 8.41 | 2.21 | 4.49 | 324 |
| | L35JD005 | 755B | 2.25 CY | 140 HP D | 118,924 | 39.57 | 7.26 | 9.51 | 2.50 | 5.24 | 355 |
| | | KOMATSU | | | | | | | | | |
| | L35KM001 | D31S-18 | 1.30 CY, HYDROSHIFT | 70 HP D | 60,367 | 20.04 | 3.69 | 4.83 | 1.27 | 2.62 | 168 |
| | L35KM002 | D41S-3 | 1.60 CY, HYDROSHIFT | 90 HP D | 105,680 | 33.30 | 6.45 | 8.45 | 2.22 | 3.37 | 262 |
| | L35KM003 | D53S-17 | 2.00 CY, POWERSHIFT | 110 HP D | 143,587 | 44.59 | 8.76 | 11.49 | 3.01 | 4.12 | 300 |
| | L35KM004 | D57S-1 | 2.10 CY, POWERSHIFT | 135 HP D | 138,083 | 44.46 | 8.43 | 11.05 | 2.90 | 5.05 | 340 |
| | L35KM005 | D66S-1 | 2.80 CY, HYDROSTATIC | 160 HP D | 185,237 | 58.50 | 11.30 | 14.82 | 3.89 | 5.99 | 422 |
| | L35KM006 | D75S-5 | 3.30 CY, POWERSHIFT | 200 HP D | 238,204 | 74.92 | 14.53 | 19.06 | 5.00 | 7.49 | 485 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **L40** | **LOADERS, FRONT END, WHEEL TYPE** | | | | | | | | | | |
| | 0.10 | ARTICULATED | | | | | | | | | |
| | 0.11 | 0 THRU 225 HP | | | | | | | | | |
| | | | CATERPILLAR | | | | | | | | |
| | L40CA001 | 910E | 1-1/4 CY, ARTICULATED | 65 HP D | 75,149 | 17.76 | 4.33 | 5.40 | 1.63 | 2.25 | 145 |
| | L40CA002 | 916 | 1-1/2 CY, ARTICULATED | 85 HP D | 86,587 | 20.87 | 5.00 | 6.26 | 1.87 | 2.94 | 183 |
| | L40CA003 | 926E | 2 CY, ARTICULATED | 110 HP D | 102,384 | 25.30 | 5.90 | 7.36 | 2.22 | 3.80 | 202 |
| | L40CA004 | 936E | 2-1/2 CY, ARTICULATED | 135 HP D | 128,353 | 32.20 | 7.29 | 9.02 | 2.78 | 4.67 | 271 |
| | L40CA005 | 950-E | 3 CY, ARTICULATED | 160 HP D | 163,766 | 40.53 | 9.29 | 11.48 | 3.55 | 5.53 | 339 |
| | L40CA006 | 966-E | 4 CY, ARTICULATED | 216 HP D | 238,886 | 59.17 | 13.39 | 16.43 | 5.17 | 7.46 | 443 |
| | | | CASE | | | | | | | | |
| | L40CS001 | W-11B | 1.00 CY, 4WD, ARTICULATED | 69 HP D | 51,720 | 13.68 | 2.94 | 3.64 | 1.12 | 2.38 | 105 |
| | L40CS006 | 621 | 2.25 CY, 4WD, ARTICULATED | 116 HP D | 88,223 | 23.66 | 4.96 | 6.09 | 1.91 | 4.01 | 246 |
| | L40CS007 | 721 | 2.50 CY, 4WD, ARTICULATED | 140 HP D | 108,166 | 28.53 | 6.13 | 7.58 | 2.34 | 4.84 | 273 |
| | L40CS008 | 821 | 3.00 CY, 4WD, ARTICULATED | 170 HP D | 134,348 | 34.94 | 7.67 | 9.52 | 2.91 | 5.88 | 316 |
| | | | FIATALLIS | | | | | | | | |
| | L40FI001 | FR7B | 1.38 CY, 4WD, POWERSHIFT / TC | 71 HP D | 72,273 | 17.54 | 4.16 | 5.19 | 1.56 | 2.45 | 153 |
| | L40FI002 | FRPB | 1.75 CY, 4WD, POWERSHIFT / TC | 90 HP D | 81,816 | 20.34 | 4.71 | 5.88 | 1.77 | 3.11 | 172 |
| | L40FI003 | FR10B | 2.00 CY, 4WD, POWERSHIFT / TC | 110 HP D | 95,689 | 24.08 | 5.50 | 6.86 | 2.07 | 3.80 | 206 |
| | L40FI004 | FR11 | 2.25 CY, 4WD, POWERSHIFT / TC | 125 HP D | 111,738 | 27.77 | 6.45 | 8.06 | 2.42 | 4.32 | 246 |
| | L40FI005 | FR12B | 2.62 CY, 4WD, POWERSHIFT / TC | 140 HP D | 129,013 | 32.41 | 7.35 | 9.12 | 2.79 | 4.84 | 275 |
| | L40FI006 | FR15B | 3.25 CY, 4WD, POWERSHIFT / TC | 185 HP D | 157,570 | 40.80 | 8.90 | 10.98 | 3.41 | 6.39 | 328 |
| | | | FORD/NEW HOLLAND | | | | | | | | |
| | L40FN001 | 345C | .75 CY | 52 HP D | 29,226 | 8.36 | 1.66 | 2.06 | 0.63 | 1.80 | 85 |
| | L40FN002 | 445C | .87 CY | 52 HP D | 31,694 | 8.82 | 1.82 | 2.25 | 0.69 | 1.80 | 86 |
| | L40FN003 | 545C | 1.00 CY | 62 HP D | 33,878 | 9.72 | 1.94 | 2.41 | 0.73 | 2.14 | 86 |
| | L40FN004 | 555C | 1.12 CY | 65 HP D | 38,644 | 10.82 | 2.21 | 2.74 | 0.84 | 2.25 | 90 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | |
| | | FURUKAWA | | | | | | | | | |
| | L40FU001 | FL120-1 | 1.75 CY, 4WD | 80 HP D | 77,044 | 19.13 | 4.40 | 5.46 | 1.67 | 2.76 | 179 |
| | L40FU002 | FL150-1 | 2.00 CY, 4WD | 102 HP D | 90,719 | 22.76 | 5.21 | 6.49 | 1.96 | 3.53 | 213 |
| | L40FU003 | FL200-1 | 2.60 CY, 4WD | 140 HP D | 116,743 | 30.10 | 6.65 | 8.23 | 2.53 | 4.84 | 299 |
| | L40FU004 | FL230-1 | 3.10 CY, 4WD | 160 HP D | 137,621 | 34.93 | 7.88 | 9.79 | 2.98 | 5.53 | 311 |
| | L40FU005 | FL330-1 | 4.30 CY, 4WD | 217 HP D | 200,961 | 50.76 | 11.41 | 14.11 | 4.35 | 7.50 | 435 |
| | | INTERNATIONAL/DRESSER | | | | | | | | | |
| | L40ID005 | 540 | 3.75 CY, ARTICULATED FRAME | 205 HP D | 199,960 | 49.81 | 11.37 | 14.08 | 4.33 | 7.08 | 360 |
| | L40ID010 | 510C | 1.38 CY, ARTICULATED FRAME | 93 HP D | 69,855 | 18.27 | 4.01 | 4.99 | 1.51 | 3.21 | 155 |
| | L40ID011 | 515C | 1.88 CY, ARTICULATED FRAME | 115 HP D | 88,167 | 23.02 | 5.05 | 6.27 | 1.91 | 3.97 | 236 |
| | L40ID012 | 520C | 2.50 CY, ARTICULATED FRAME | 144 HP D | 102,831 | 27.20 | 5.92 | 7.38 | 2.23 | 4.98 | 271 |
| | L40ID013 | 530C | 3.00 CY, ARTICULATED FRAME | 165 HP D | 151,756 | 38.02 | 8.68 | 10.78 | 3.29 | 5.70 | 362 |
| | | JOHN DEERE | | | | | | | | | |
| | L40JD001 | 344E | 1.63 CY, 4WD, ARTICULATED | 75 HP D | 63,434 | 16.13 | 3.63 | 4.52 | 1.37 | 2.59 | 159 |
| | L40JD002 | 444E | 1.75 CY, 4WD, ARTICULATED | 95 HP D | 73,056 | 18.99 | 4.19 | 5.22 | 1.58 | 3.28 | 172 |
| | L40JD003 | 544E | 2.25 CY, 4WD, ARTICULATED | 115 HP D | 85,431 | 22.28 | 4.93 | 6.15 | 1.85 | 3.97 | 230 |
| | L40JD004 | 644E | 3.25 CY, 4WD, ARTICULATED | 160 HP D | 134,444 | 34.21 | 7.72 | 9.61 | 2.91 | 5.53 | 334 |
| | | KAWASAKI | | | | | | | | | |
| | L40KA001 | 65ZIII | 2.60 CY, 4WD, ARTICULATED | 120 HP D | 107,232 | 26.71 | 6.19 | 7.73 | 2.32 | 4.15 | 220 |
| | L40KA002 | 70ZII | 3.25 CY, 4WD, ARTICULATED | 158 HP D | 129,607 | 33.36 | 7.41 | 9.19 | 2.81 | 5.46 | 305 |
| | L40KA003 | 80ZIII | 3.75 CY, 4WD, ARTICULATED | 165 HP D | 169,172 | 41.01 | 9.73 | 12.13 | 3.66 | 5.70 | 326 |
| | | MICHIGAN / VME | | | | | | | | | |
| | L40MC001 | L30 | 1.0 CY BUCKET | 74 HP D | 67,289 | 16.62 | 3.86 | 4.79 | 1.46 | 2.56 | 131 |
| | L40MC002 | L50 | 1.5 CY BUCKET | 84 HP D | 97,771 | 22.69 | 5.66 | 7.08 | 2.12 | 2.90 | 161 |
| | L40MC003 | L70 | 2.0 CY BUCKET | 110 HP D | 116,091 | 27.48 | 6.71 | 8.39 | 2.51 | 3.80 | 210 |
| | L40MC004 | L90 | 2.5 CY BUCKET | 145 HP D | 155,752 | 36.95 | 8.95 | 11.15 | 3.37 | 5.01 | 285 |
| | L40MC005 | L120 | 3.1 CY BUCKET | 190 HP D | 184,747 | 45.21 | 10.51 | 13.02 | 4.00 | 6.57 | 345 |
| | L40MC006 | L140 | 4.0 CY BUCKET | 203 HP D | 237,847 | 55.56 | 13.65 | 17.00 | 5.15 | 7.02 | 425 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | MASSEY FERGUSON | | | | | | | | |
| | L40MF001 | MF30E | .75 CY | 48 HP D | 30,250 | 8.23 | 1.74 | 2.17 | 0.65 | 1.66 | 95 |
| | L40MF002 | MF50E | 1.05 CY | 68 HP D | 34,006 | 10.01 | 1.96 | 2.43 | 0.74 | 2.35 | 106 |
| | L40MF003 | MF50HX/SERIES S | 1.05 CY | 74 HP D | 34,466 | 10.46 | 1.98 | 2.45 | 0.75 | 2.56 | 135 |
| | | | MITSUBISHI | | | | | | | | |
| | L40MI001 | WS200A | .50 CY, 4WD, ARTICULATED | 26 HP D | 34,575 | 8.03 | 1.98 | 2.46 | 0.75 | 0.90 | 59 |
| | L40MI002 | WS400 | 1.00 CY, 4WD, ARTICULATED | 50 HP D | 51,363 | 12.65 | 2.92 | 3.62 | 1.11 | 1.73 | 94 |
| | L40MI003 | WS500 | 1.00 CY, 4WD, ARTICULATED | 55 HP D | 55,632 | 13.68 | 3.17 | 3.94 | 1.20 | 1.90 | 114 |
| | | | TROJAN/O & K | | | | | | | | |
| | L40TR001 | 1500Z | 1.75 CY, 4WD, ARTICULATED, PWRSHIFT | 93 HP D | 75,635 | 19.55 | 4.32 | 5.36 | 1.64 | 3.21 | 179 |
| | L40TR002 | 1700Z | 2.25 CY, 4WD, ARTICULATED, PWRSHIFT | 110 HP D | 79,604 | 21.14 | 4.55 | 5.65 | 1.72 | 3.80 | 203 |
| | L40TR003 | 1900Z | 2.50 CY, 4WD, ARTICULATED, PWRSHIFT | 121 HP D | 91,246 | 23.84 | 5.25 | 6.53 | 1.98 | 4.18 | 220 |
| | L40TR005 | 3500Z | 3.75 CY, 4WD, ARTICULATED, PWRSHIFT | 185 HP D | 148,034 | 39.07 | 8.34 | 10.26 | 3.21 | 6.39 | 376 |
| | L40TR009 | L2500 | 3.00 CY, 4WD ARTICULATED, POWERSHIFT | 155 HP D | 127,563 | 32.84 | 7.28 | 9.04 | 2.76 | 5.36 | 297 |
| | L40TR010 | L3000 | 3.75 CY, 4WD ARTICULATED, POWERSHIFT | 182 HP D | 163,718 | 41.77 | 9.26 | 11.44 | 3.54 | 6.29 | 366 |
| 0 12 | OVER 225 HP | | | | | | | | | | |
| | | | CATERPILLAR | | | | | | | | |
| | L40CA007 | 980-C | 5-1/4 CY, ARTICULATED | 270 HP D | 315,376 | 70.70 | 16.59 | 20.60 | 6.29 | 9.33 | 601 |
| | L40CA008 | 988-B | 7 CY, ARTICULATED | 375 HP D | 458,144 | 98.59 | 23.91 | 29.54 | 9.14 | 12.96 | 898 |
| | L40CA009 | 992-C | 13-1/2 CY, ARTICULATED | 690 HP D | 949,041 | 202.68 | 48.99 | 60.11 | 18.93 | 23.85 | 1,931 |
| | | | FIATALLIS | | | | | | | | |
| | L40FI007 | FR20B | 4.00 CY, 4WD, POWERSHIFT / TC | 230 HP D | 228,196 | 53.87 | 11.87 | 14.63 | 4.55 | 7.95 | 440 |
| | L40FI008 | FR35 | 7.00 CY, 4WD, POWERSHIFT / TC | 350 HP D | 369,444 | 83.74 | 19.52 | 24.30 | 7.37 | 12.10 | 729 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | INTERNATIONAL/DRESSER | | | | | | | | | |
| | L40ID007 | 560B | 7.50 CY, ARTICULATED | 415 HP D | 431,085 | 95.39 | 22.56 | 27.92 | 8.60 | 14.34 | 830 |
| | L40ID008 | 570 | 12.00 CY, ARTICULATED | 590 HP D | 779,773 | 162.66 | 41.32 | 51.52 | 15.56 | 20.39 | 1,350 |
| | L40ID009 | 580 | 22.00 CY, ARTICULATED | 1,100 HP D | 1,779,089 | 359.62 | 94.26 | 117.54 | 35.49 | 38.02 | 2,846 |
| | L40ID014 | 555 | 5.50 CY, ARTICULATED FRAME | 315 HP D | 312,688 | 70.34 | 16.26 | 20.04 | 6.24 | 10.89 | 667 |
| | | KAWASAKI | | | | | | | | | |
| | L40KA004 | 85ZII | 4.25 CY, 4WD, ARTICULATED | 226 HP D | 210,170 | 47.85 | 11.23 | 14.08 | 4.19 | 7.81 | 431 |
| | L40KA005 | 95ZII | 6.00 CY, 4WD, ARTICULATED | 310 HP D | 281,459 | 66.25 | 14.82 | 18.41 | 5.61 | 10.71 | 610 |
| | L40KA006 | 115ZIII | 8.25 CY, 4WD, ARTICULATED | 410 HP D | 483,606 | 103 22 | 25.57 | 31.83 | 9.65 | 14.17 | 928 |
| | | MICHIGAN / VME | | | | | | | | | |
| | L40MC007 | L160 | 5.00 CY, 4WD, ARTICULATED | 252 HP D | 269,084 | 59.74 | 14.14 | 17.53 | 5.37 | 8.71 | 488 |
| | L40MC008 | L190 | 5.25 CY, 4WD, ARTICULATED, PS/TC | 290 HP D | 312,862 | 67.48 | 16.25 | 20.01 | 6.24 | 10.02 | 549 |
| | L40MC009 | L270 | 7.00 CY, 4WD, ARTICULATED, PS/TC | 360 HP D | 442,274 | 91.99 | 23.33 | 29.01 | 8.82 | 12.44 | 910 |
| | L40MC010 | L320 | 8.00 CY, 4WD, ARTICULATED, PS/TC | 417 HP D | 484,929 | 102.45 | 25.39 | 31.44 | 9.67 | 14.41 | 964 |
| | L40MC011 | L480 | 12.50 CY, 4WD, ARTICULATED, PS/TC | 650 HP D | 851,130 | 178.98 | 43.57 | 53.19 | 16.98 | 22.46 | 1,780 |
| | L40MC012 | L480T | 12.5 CY BUCKET, TURBO TRANSMISSION | 679 HP D | 881,175 | 185.23 | 45.24 | 55.31 | 17.58 | 23.47 | 1,634 |
| | | TEREX | | | | | | | | | |
| | L40TE003 | 80C | 6.00 CY, 4WD ARTICULATED, POWERSHIFT | 315 HP D | 294,650 | 68.63 | 15.55 | 19.34 | 5.88 | 10.89 | 579 |
| | L40TE004 | 85B | 8.00 CY, 4WD ARTICULATED, POWERSHIFT | 388 HP D | 366,745 | 83.24 | 19.10 | 23.55 | 7.32 | 13.41 | 856 |
| | L40TE005 | 90C | 8.50 CY, 4WD ARTICULATED, POWERSHIFT | 460 HP D | 441,875 | 99.92 | 23.02 | 28.39 | 8.82 | 15.90 | 978 |
| | | TROJAN/O & K | | | | | | | | | |
| | L40TR006 | L4500 | 4.50 CY, 4WD ARTICULATED, POWERSHIFT | 231 HP D | 218,705 | 49.05 | 11.76 | 14.79 | 4.36 | 7.98 | 434 |
| | L40TR007 | L5500 | 5.50 CY, 4WD ARTICULATED, POWERSHIFT | 291 HP D | 301,797 | 68.67 | 15.95 | 19.85 | 6.02 | 10.06 | 602 |
| | L40TR008 | 7500 | 7.50 CY, 4WD ARTICULATED, POWERSHIFT | 402 HP D | 384,383 | 87.46 | 19.92 | 24.50 | 7.67 | 13.89 | 850 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.20 | SKID STEER | | | | | | | | | | |
| | | MELROE / BOBCAT | | | | | | | | | |
| | L40ME001 | 440B | 6 CWT, 36" BUCKET | 16 HP G | 7,153 | 4.27 | 0.51 | 0.72 | 0.15 | 1.76 | 21 |
| | L40ME002 | 443 | 6 CWT, 44" BUCKET | 15 HP D | 10,911 | 3.63 | 0.79 | 1.12 | 0.23 | 0.56 | 24 |
| | L40ME003 | 543 | 8 CWT, 48" BUCKET | 22 HP D | 14,125 | 4.81 | 1.04 | 1.47 | 0.30 | 0.82 | 33 |
| | L40ME004 | 642B | 10 CWT, 54" BUCKET | 32 HP G | 14,357 | 8.49 | 1.05 | 1.49 | 0.30 | 3.53 | 38 |
| | L40ME006 | 742 | 13 CWT, 60" BUCKET | 34 HP G | 17,738 | 9.64 | 1.30 | 1.85 | 0.37 | 3.75 | 45 |
| | L40ME007 | 743B | 13 CWT, 60" BUCKET | 36 HP D | 17,202 | 6.36 | 1.26 | 1.79 | 0.36 | 1.35 | 46 |
| | L40ME008 | 843 | 17 CWT, 60" BUCKET | 54 HP D | 25,728 | 9.60 | 1.87 | 2.65 | 0.54 | 2.02 | 63 |
| | L40ME009 | 943 | 24 CWT, 66" BUCKET | 69 HP D | 30,423 | 11.67 | 2.20 | 3.11 | 0.64 | 2.58 | 88 |
| | L40ME012 | 753 | 13 CWT, 60" BUCKET | 40 HP D | 19,763 | 7.24 | 1.45 | 2.07 | 0.41 | 1.50 | 46 |
| | L40ME013 | 980 | 40 CWT, 93" BUCKET | 94 HP D | 58,510 | 20.41 | 4.19 | 5.93 | 1.22 | 3.52 | 145 |
| 0.30 | TOOL CARRIER | | | | | | | | | | |
| 0.31 | 0 THRU 225 HP | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | L40CA010 | IT12B | INTEGRATED TOOL CARRIER | 75 HP D | 79,574 | 19.54 | 4.59 | 5.73 | 1.72 | 2.59 | 183 |
| | L40CA011 | IT18B | INTEGRATED TOOL CARRIER | 95 HP D | 95,748 | 23.69 | 5.53 | 6.92 | 2.07 | 3.28 | 218 |
| | L40CA012 | IT28B | INTEGRATED TOOL CARRIER | 110 HP D | 107,595 | 26.71 | 6.24 | 7.81 | 2.33 | 3.80 | 243 |
| | L40CA013 | IT14B | INTEGRATED TOOL CARRIER | 85 HP D | 87,064 | 21.49 | 5.04 | 6.30 | 1.89 | 2.94 | 200 |
| 0.32 | OVER 225 HP | | | | | | | | | | |
| | | MICHIGAN / VME | | | | | | | | | |
| | L40MC013 | L160 HIGH-LIFT | 2.8 SQ METER GRAPPLE ARMS | 252 HP D | 334,192 | 71.91 | 17.74 | 22.14 | 6.67 | 8.71 | 448 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **L45** | **LOADERS w/ BACKHOE, CRAWLER TYPE** | | | | | | | | | | |
| | | | CATERPILLAR | | | | | | | | |
| | L45CA001 | 931C | 1.00 CY FE BUCKET W/30" B/H DIPPER | 67 HP D | 79,617 | 25.05 | 4.86 | 6.37 | 1.67 | 2.51 | 207 |
| **L50** | **LOADERS w/ BACKHOE, WHEEL TYPE** | | | | | | | | | | |
| | | | CATERPILLAR | | | | | | | | |
| | L50CA001 | 416 II | 1.00 CY FE BUCKET W/24" B/H DIPPER | 62 HP D | 56,107 | 14.10 | 3.25 | 4.08 | 1.21 | 2.14 | 132 |
| | L50CA002 | 426 II | 1.25 CY FE BUCKET W/30" B/H DIPPER | 70 HP D | 63,437 | 15.92 | 3.68 | 4.62 | 1.37 | 2.42 | 142 |
| | L50CA003 | 436 II | 1.38 CY FE BUCKET W/30" B/H DIPPER | 77 HP D | 66,614 | 16.92 | 3.86 | 4.84 | 1.44 | 2.66 | 147 |
| | L50CA004 | 446 | 1.5 CY FE BUCKET W/30" B/H DIPPER | 95 HP D | 94,918 | 23.31 | 5.52 | 6.92 | 2.06 | 3.28 | 191 |
| | | | CASE | | | | | | | | |
| | L50CS002 | 580K | 1.00 CY FE BUCKET W/24" B/H DIPPER | 63 HP D | 51,726 | 13.36 | 2.99 | 3.73 | 1.12 | 2.18 | 130 |
| | | | FORD/NEW HOLLAND | | | | | | | | |
| | L50FN002 | 455C | 1.00 CY FE BUCKET W/24" B/H DIPPER | 55 HP D | 43,086 | 11.16 | 2.50 | 3.14 | 0.93 | 1.90 | 114 |
| | L50FN004 | 555C | 1.12 CY FE BUCKET W/24" B/H DIPPER | 65 HP D | 63,310 | 15.63 | 3.68 | 4.62 | 1.37 | 2.25 | 135 |
| | L50FN005 | 655C | 1.50 CY FE BUCKET W/24" B/H DIPPER | 75 HP D | 70,777 | 17.63 | 4.11 | 5.15 | 1.53 | 2.59 | 149 |
| | L50FN006 | 755B | 1.50 CY FE BUCKET W/24" B/H DIPPER | 100 HP D | 82,394 | 21.08 | 4.79 | 6.02 | 1.78 | 3.46 | 167 |
| | | | JOHN DEERE | | | | | | | | |
| | L50JD001 | 310C | 1.00 CY FE BUCKET W/18" B/H DIPPER | 65 HP D | 45,236 | 12.13 | 2.62 | 3.27 | 0.98 | 2.25 | 125 |
| | L50JD002 | 410C | 1.00 CY FE BUCKET W/18" B/H DIPPER | 75 HP D | 54,479 | 14.44 | 3.15 | 3.93 | 1.18 | 2.59 | 144 |
| | L50JD003 | 510C | 1.25 CY FE BUCKET W/18" B/H DIPPER | 85 HP D | 63,951 | 16.80 | 3.69 | 4.62 | 1.38 | 2.94 | 154 |
| | L50JD005 | 710C | 1.50 CY FE BUCKET W/24" B/H DIPPER | 100 HP D | 94,600 | 23.70 | 5.45 | 6.79 | 2.05 | 3.46 | 225 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MASSEY FERGUSON | | | | | | | | | |
| | L50MF003 | MF60H/SERIES S | 1.05 CY FE BUCKET W/24" B/H DIPPER | 74 HP D | 47,746 | 13.11 | 2.74 | 3.42 | 1.03 | 2.56 | 137 |
| | L50MF004 | MF50HX/SERIES T | 1.05 CY FE BUCKET W/18" B/H DIPPER | 78 HP D | 52,745 | 14.28 | 3.04 | 3.80 | 1.14 | 2.70 | 136 |
| | L50MF005 | MF60HX/SERIES T | 1.05 CY FE BUCKET W/18" B/H DIPPER | 86 HP D | 55,969 | 15.27 | 3.23 | 4.04 | 1.21 | 2.97 | 137 |
| **L55** | **LOADER/BACKHOE, ATTACHMENTS (add Loader/Backhoe)** | | | | | | | | | | |
| | | KENT | | | | | | | | | |
| | L55KN001 | KB-555 | AIR RAM W/NARROW CHISEL (ADD COMPR) | 175 CFM A | 6,064 | 2.72 | 0.55 | 0.81 | 0.14 | 0.00 | 6 |
| | L55KN002 | KB-999 | AIR RAM W/NARROW CHISEL (ADD COMPR) | 250 CFM A | 12,412 | 5.56 | 1.11 | 1.65 | 0.28 | 0.00 | 10 |
| | L55KN003 | KB-2600 | AIR RAM W/CHISEL(ADD MIN .75CY B/H) | 750 CFM A | 25,503 | 11.25 | 2.27 | 3.40 | 0.57 | 0.00 | 22 |
| | L55KN004 | KHP-12 | HYDRA-PAK TAMPER,HYD,21"W,30"L,27"H | | 5,209 | 2.14 | 0.47 | 0.69 | 0.12 | 0.00 | 9 |
| | L55KN005 | KHP225 | HYDRA-PAK TAMPER,HYD,27"W,36"L,31"H (ADD MIN .75 CY BACKHOE) | | 10,290 | 4.10 | 0.92 | 1.37 | 0.23 | 0.00 | 17 |
| **L60** | **LOG SKIDDERS** | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | L60CA001 | 508 | SKIDDER, CABLE, WITH 27,255# PULL | 95 HP D | 80,665 | 21.91 | 4.85 | 6.41 | 1.64 | 3.28 | 166 |
| | L60CA002 | 508 | SKIDDER, GRAPPLE WITH 27,225# PULL | 95 HP D | 93,944 | 24.60 | 5.68 | 7.54 | 1.91 | 3.28 | 182 |
| | L60CA003 | 518 | SKIDDER, CABLE WITH 32,000# PULL | 120 HP D | 94,051 | 25.77 | 5.69 | 7.55 | 1.91 | 4.15 | 221 |
| | L60CA004 | 518 | SKIDDER, GRAPPLE WITH 32,000# PULL | 130 HP D | 97,403 | 26.89 | 5.90 | 7.83 | 1.98 | 4.49 | 246 |
| | L60CA005 | 528 | SKIDDER, CABLE WITH 40,000# PULL | 175 HP D | 137,965 | 39.05 | 8.09 | 10.58 | 2.80 | 6.05 | 300 |
| | L60CA006 | FB-518 | FELLER-BUNCHER, WHEEL MOUNTED | 130 HP D | 129,917 | 34.20 | 7.81 | 10.33 | 2.64 | 4.49 | 210 |
| | L60CA007 | FB-227 | FELLER-BUNCHER, CRAWLER MOUNTED | 135 HP D | 294,989 | 65.94 | 18.54 | 25.07 | 6.00 | 4.67 | 706 |
| | | JOHN DEERE | | | | | | | | | |
| | L60JD001 | 540D | CABLE LOG SKIDDER,26,700# LINE PULL | 100 HP D | 79,542 | 21.25 | 4.90 | 6.55 | 1.62 | 3.46 | 165 |
| | L60JD002 | 640D | CABLE LOG SKIDDER,32,100# LINE PULL | 120 HP D | 89,083 | 25.43 | 5.25 | 6.87 | 1.81 | 4.15 | 202 |
| | L60JD003 | 548D | GRAPPLE LOG SKIDR,26,600# LINE PULL | 100 HP D | 88,215 | 23.00 | 5.44 | 7.29 | 1.79 | 3.46 | 185 |
| | L60JD004 | 648D | GRAPPLE LOG SKIDR,26,700# LINE PULL | 120 HP D | 100,856 | 27.81 | 5.99 | 7.87 | 2.05 | 4.15 | 244 |
| | L60JD005 | 740A | GRAPPLE LOG SKIDR,51,880# LINE PULL | 158 HP D | 143,482 | 41.91 | 7.98 | 10.11 | 2.92 | 5.46 | 358 |
| | L60JD006 | 643 | FELLER BUNCHER, WHEEL MOUNTED | 145 HP D | 116,007 | 32.03 | 6.94 | 9.16 | 2.36 | 5.01 | 275 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RANGER / VME | | | | | | | | | |
| | L60RN001 | F665 | CABLE SKIDDER, LINE PULL 22,400# | 104 HP D | 83,089 | 21.97 | 5.12 | 6.86 | 1.69 | 3.59 | 163 |
| | L60RN002 | F666 | CABLE SKIDDER, LINE PULL 29,200# | 132 HP D | 96,243 | 26.78 | 5.70 | 7.48 | 1.96 | 4.56 | 217 |
| | L60RN003 | F667 | CABLE SKIDDER, LINE PULL 33,400# | 159 HP D | 110,588 | 30.93 | 6.60 | 8.70 | 2.25 | 5.50 | 220 |
| | L60RN004 | F668 | CABLE SKIDDER, LINE PULL 34,600# | 217 HP D | 148,368 | 44.51 | 8.05 | 10.06 | 3.02 | 7.50 | 346 |
| **M10** | **MARINE EQUIPMENT** | | | | | | | | | | |
| | 0.10 MARINE MAINTENANCE EQUIPMENT | | | | | | | | | | |
| | 0.11 AQUATIC MAINTENANCE,-LAKES/HARBORS | | | | | | | | | | |
| | | AQUATICS UNLIMITED | | | | | | | | | |
| | M10AQ001 | MPAR 160/163-TL | AQUAMOG, MARINE MAINTENANCE RIG 360 DEGREE SWING EXCAVATOR ARM, ADD ATTACHMENTS | 163 HP D | 163,867 | 39.14 | 10.25 | 13.83 | 3.33 | 5.63 | 270 |
| | M10AQ002 | PRX-163-TL | AQUAMOG, MARINE MAINTENANCE RIG 180 DEGREE SWING ARM, ADD ATTACHMENTS | 163 HP D | 140,614 | 34.66 | 8.79 | 11.85 | 2.86 | 5.63 | 185 |
| | M10AQ003 | SRX105 | AQUAMOG, MARINE MAINTENANCE RIG | 105 HP D | 116,774 | 27.39 | 7.29 | 9.83 | 2.37 | 3.63 | 138 |
| | 0.12 ATTACHMENTS FOR (M10 .10) | | | | | | | | | | |
| | | AQUATICS UNLIMITED | | | | | | | | | |
| | M10AQ006 | AUSC-800E | SHORE CONVEYOR | | 20,022 | 6.07 | 1.05 | 1.19 | 0.45 | 0.00 | 28 |
| | M10AQ007 | AQUAMOG | AUGER HEAD ATTACHMENT, 8' WIDE | | 30,815 | 8.66 | 2.75 | 4.11 | 0.69 | 0.00 | 24 |
| | M10AQ010 | AQUAMOG | CUTTERHEAD ATTACHMENT, 30" DIAMETER WITH 8" PUMP | | 28,399 | 7.99 | 2.54 | 3.79 | 0.64 | 0.00 | 5 |
| | M10AQ011 | AQUAMOG | CUTTERHEAD ATTACHMENT, 26" DIAMETER WITH 6" PUMP | | 25,517 | 7.17 | 2.27 | 3.40 | 0.57 | 0.00 | 4 |
| | M10AQ012 | AQUAMOG | AQUATIC PLANT CONTROL ATTACHMENT, 8' ROTOTILLER | | 8,491 | 2.38 | 0.76 | 1.13 | 0.19 | 0.00 | 26 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | M10AQ013 | AQUAMOG | AQUATIC PLANT CONTROL ATTACHMENT, 6'6" ROTOTILLER 2000 | | 7,635 | 2.15 | 0.68 | 1.02 | 0.17 | 0.00 | 20 |
| | M10AQ014 | AQUAMOG | AQUATIC PLANT CONTROL ATTACHMENT, 10' T-BAR CUTTER | | 3,982 | 1.12 | 0.36 | 0.53 | 0.09 | 0.00 | 4 |
| | M10AQ015 | AQUAMOG | AQUATIC PLANT CONTROL ATTACHMENT, 5' FLAIL CHOPPER | | 4,384 | 1.23 | 0.39 | 0.58 | 0.10 | 0.00 | 10 |
| | M10AQ016 | AQUAMOG | AQUATIC PLANT CONTROL ATTACHMENT, 8' CLAM RAKE | | 6,013 | 1.68 | 0.53 | 0.80 | 0.13 | 0.00 | 20 |
| | M10AQ017 | AQUAMOG | AQUATIC PLANT CONTROL ATTACHMENT, 8' RAKE | | 2,678 | 0.76 | 0.24 | 0.36 | 0.06 | 0.00 | 27 |
| | M10AQ018 | AQUAMOG | AQUATIC PLANT CONTROL ATTACHMENT, SWING ARM, HYDRAULIC | | 4,242 | 1.19 | 0.38 | 0.57 | 0.09 | 0.00 | 30 |
| | M10AQ019 | AQUAMOG | CLAM BUCKET ATTACHMENT, 29" FOR DREDGING | | 4,659 | 1.30 | 0.41 | 0.62 | 0.10 | 0.00 | 8 |
| | M10AQ020 | AQUAMOG | CLAM BUCKET ATTACHMENT, | | 5,402 | 1.52 | 0.48 | 0.72 | 0.12 | 0.00 | 22 |
| 0.20 PORTABLE (TRUCKABLE) HYDRAULIC, DREDGES 12" OR LESS | | | | | | | | | | | |
| 0.21 CUTTERHEAD DREDGE, 8" OR LESS | | | | | | | | | | | |
| | | CRISAFULLI PUMP | | | | | | | | | |
| | M10CP001 | 4X6130 | YELLOWSTONE, 15' DREDGING DEPTH PUMP AT 700 GPM, 6" DISCHARGE DIA. ADD ATTACHMENTS | 140 HP D | 99,905 | 27.31 | 6.28 | 8.49 | 2.03 | 6.05 | 165 |
| | | DREDGING SUPPLY | | | | | | | | | |
| | M10DS001 | PIRANHA | 8" DREDGE WITH 22' CUTTERHEAD LADDER, 8"X8" DREDGE PUMP DEUTZ DIESEL ENGINE | 170 HP D | 142,480 | 37.26 | 8.96 | 12.11 | 2.90 | 7.34 | 350 |
| | M10DS002 | PIRANHA | 8" DREDGE WITH 22' CUTTERHEAD LADDER, 8"X8" DREDGE PUMP CATERPILLAR 3208 ENGINE | 255 HP D | 150,073 | 43.60 | 9.43 | 12.76 | 3.05 | 11.02 | 400 |
| | M10DS003 | BARRACUDA | 8" SWINGING LADDER/COMBO DREDGE CATERPILLAR 3306 ENGINE | 250 HP D | 203,390 | 53.60 | 12.78 | 17.29 | 4.13 | 10.80 | 450 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| | | KEENE ENGINEERING CO. | | | | | | | | | |
| | M10KK001 | 6G - NESSIE | CUTTERHEAD DREDGE, 6"DIA. DISCHARGE 20 ' MAX DEPTH,. 2400 GPM | 175 HP G | 109,871 | 51.75 | 6.90 | 9.34 | 2.23 | 22.22 | 93 |
| | M10KK002 | 6D - NESSIE | CUTTERHEAD DREDGE, 6"DIA. DISCHARGE 20 ' MAX DEPTH,. 2400 GPM | 250 HP D | 114,140 | 36.37 | 7.17 | 9.70 | 2.32 | 10.80 | 107 |
| | M10KK003 | 8G - NESSIE | CUTTERHEAD DREDGE, 8"DIA. DISCHARGE 20 ' MAX DEPTH,. 3200 GPM | 175 HP G | 119,454 | 53.60 | 7.51 | 10.15 | 2.43 | 22.22 | 106 |
| | M10KK004 | 8D- NESSIE | CUTTERHEAD DREDGE, 8"DIA. DISCHARGE 20 ' MAX DEPTH,. 3200 GPM | 250 HP D | 124,585 | 38.39 | 7.83 | 10.59 | 2.53 | 10.80 | 116 |
| | 0.22 CUTTERHEAD DREDGE OVER 8" THRU 12" | | | | | | | | | | |
| | | CRISAFULLI PUMP | | | | | | | | | |
| | M10CP002 | 6X8170 | STILLWATER, 20' DREDGING DEPTH, PUMP AT 2500GPM, 10" DISCHARGE DIA, ADD ATTACHMENTS | 170 HP D | 110,937 | 29.47 | 6.30 | 8.32 | 2.14 | 7.34 | 180 |
| | M10CP003 | 10X10170 | BIG SKY, 20' DREDGING DEPTH, PUMP AT 2500GPM, 10" DISCHARGE DIA. ADD ATTATCHMENTS | 170 HP D | 117,472 | 30.64 | 6.68 | 8.81 | 2.27 | 7.34 | 195 |
| | | DELTA DREDGE | | | | | | | | | |
| | M10DD001 | 212D-MAXI | CUTTERHEAD DREDGE, 12" DISCHARGE DIAMETER | 425 HP D | 506,616 | 114.44 | 28.77 | 38.00 | 9.77 | 18.36 | 580 |
| | M10DD002 | 212E-MAXI | CUTTERHEAD DREDGE, 12" DISCHARGE DIAMETER | 500 HP E | 729,931 | 178.62 | 41.45 | 54.74 | 14.08 | 32.00 | 580 |
| | | DREDGING SUPPLY | | | | | | | | | |
| | M10DS004 | SHARK | 10" DREDGE, 12"X10" DREDGE PUMP, 31' CUTTERHEAD, CAT 3406 ENGINE | 402 HP D | 224,388 | 62.96 | 12.75 | 16.83 | 4.33 | 17.37 | 620 |
| | M10DS005 | BARRACUDA | 10" SWINGING LADDER/COMBO DREDGE 10"X10" DREDGE PUMP, CAT3406 ENGINE | 369 HP D | 274,747 | 70.01 | 15.61 | 20.61 | 5.30 | 15.94 | 720 |
| | M10DS006 | SHARK | 10" DREDGE, 14"X12" DREDGE PUMP, 31' CUTTERHEAD, CAT 3408 ENGINE | 624 HP D | 300,672 | 89.25 | 17.08 | 22.55 | 5.80 | 26.96 | 1,100 |
| | M10DS007 | BARRACUDA | 12" SWINGING LADDER/COMBO DREDGE CATERPILLAR 3408 ENGINE | 624 HP D | 323,826 | 93.37 | 18.40 | 24.29 | 6.25 | 26.96 | 900 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.23 AUGERHEAD DREDGE, 12" OR LESS | | | | | | | | | | | |
| | | ELLICOTT MACHINE | | | | | | | | | |
| | M10EL004 | SP815 | MUD CAT AUGERHEAD, 6" DISCHARGE DIAMETER | 161 HP D | 165,310 | 43.21 | 10.39 | 14.05 | 3.36 | 6.96 | 330 |
| | M10EL005 | SP915 | MUD CAT AUGERHEAD, 6" DISCHARGE DIAMETER | 175 HP D | 202,961 | 51.76 | 12.76 | 17.25 | 4.13 | 7.56 | 350 |
| | M10EL006 | SP920 | MUD CAT AUGERHEAD, 6" DISCHARGE DIAMETER | 175 HP D | 240,396 | 59.45 | 15.11 | 20.43 | 4.89 | 7.56 | 360 |
| | M10EL007 | MC915 | MUD CAT AUGERHEAD,, 8" DISCHARGE DIAMETER | 228 HP D | 185,432 | 51.19 | 11.65 | 15.76 | 3.77 | 9.85 | 400 |
| | M10EL008 | MC920 | MUD CAT AUGERHEAD,, 8" DISCHARGE DIAMETER | 228 HP D | 231,887 | 60.74 | 14.57 | 19.71 | 4.71 | 9.85 | 410 |
| | | H&H PUMP & DREDGE | | | | | | | | | |
| | M10HH001 | MDS-150-08 | MODULAR DREDGING SYSTEM, 8" DIAM. DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD | 150 HP D | 100,347 | 29.22 | 6.31 | 8.53 | 2.04 | 6.48 | 140 |
| | M10HH002 | MDS-150-10 | MODULAR DREDGING SYSTEM, 10" DIAM. DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD | 150 HP D | 101,534 | 29.46 | 6.38 | 8.63 | 2.06 | 6.48 | 142 |
| | M10HH003 | MDS-177-08 | MODULAR DREDGING SYSTEM, 8" DIAM. DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD | 177 HP D | 106,961 | 32.13 | 6.72 | 9.09 | 2.17 | 7.65 | 150 |
| | M10HH004 | MDS-177-10 | MODULAR DREDGING SYSTEM, 10" DIAM. DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD | 177 HP D | 108,148 | 32.38 | 6.80 | 9.19 | 2.20 | 7.65 | 152 |
| | M10HH005 | MDS-177-12 | MODULAR DREDGING SYSTEM, 12" DIAM. DISCHARGE WITH 8' WIDE AUGER-TYNE CUTTERHEAD | 177 HP D | 109,972 | 32.76 | 6.92 | 9.35 | 2.24 | 7.65 | 155 |
| | M10HH006 | MDS-80-6 | MINI-AUGER TYNE CUTTER, 8' WIDE 6" DIAMETER DISCHARGE | 100 HP D | 63,085 | 18.70 | 3.96 | 5.36 | 1.28 | 4.32 | 95 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.24 FLOATING PUMPS, 12" OR LESS | | | | | | | | | | |
| | | | CRISAFULLI PUMP | | | | | | | | |
| | M10CP004 | | 4" FLUMP, UNMANNED, REMOTE CABLE CONTROLLED, AQUATIC MAINTENANCE SYSTEM WITH AUGER CUTTERHEAD | 40 HP E | 44,725 | 14.75 | 3.43 | 5.03 | 0.91 | 2.56 | 38 |
| | M10CP005 | | 3" FLUMP, UNMANNED, REMOTE CABLE CONTROLLED, AQUATIC MAINTENANCE SYSTEM WITH AUGER CUTTERHEAD | 25 HP E | 41,839 | 12.59 | 3.21 | 4.71 | 0.85 | 1.60 | 34 |
| | M10CP006 | | MANUAL TRANSVERSING CABLING SYSTEM FOR FLUMPS, 2-POST, 800' CABLE, 2000 LB. CAPACITY | | 1,202 | 0.59 | 0.09 | 0.14 | 0.02 | 0.00 | 3 |
| | M10CP007 | | MANUAL TRANSVERSING CABLING SYSTEM FOR DREDGES, 2-POST, 800' CABLE, 4000 LB. CAPACITY | | 2,424 | 0.99 | 0.19 | 0.27 | 0.05 | 0.00 | 5 |
| | M10CP008 | | MANUAL TRANSVERSING CABLING SYSTEM FOR 2000LB FLUMPS, 4-POST,800'CABLE | | 4,162 | 1.51 | 0.32 | 0.47 | 0.08 | 0.00 | 8 |
| | M10CP009 | | MANUAL TRANSVERSING CABLING SYSTEM FOR 4000 LB. DREDGES, 4-POST, 800' CABLE | | 6,271 | 2.13 | 0.49 | 0.71 | 0.13 | 0.00 | 12 |
| | 0.26 ATTACHMENTS FOR (M10 .20) | | | | | | | | | | |
| | | | CRISAFULLI PUMP | | | | | | | | |
| | M10CP010 | | POLYETHYLENE INTEGRAL FLOATING DISCHARGE LINE, 4" DIAMETER X 20' FOAM FLOAT | | 648 | 0.38 | 0.06 | 0.09 | 0.01 | 0.00 | 2 |
| | M10CP011 | | POLYETHYLENE INTEGRAL FLOATING DISCHARGE LINE, 6" DIAMETER X 20' FOAM FLOAT | | 782 | 0.48 | 0.08 | 0.11 | 0.02 | 0.00 | 2 |
| | M10CP012 | | POLYETHYLENE INTEGRAL FLOATING DISCHARGE LINE, 8" DIAMETER X 20' FOAM FLOAT | | 982 | 0.58 | 0.09 | 0.14 | 0.02 | 0.00 | 3 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | M10CP013 | | POLYETHYLENE INTEGRAL FLOATING DISCHARGE LINE, 10" DIAMETER X 20' FOAM FLOAT | | 1,133 | 0.62 | 0.10 | 0.16 | 0.02 | 0.00 | 4 |
| | M10CP014 | | ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 4" DIAMETER X 20' FOAM FLOAT | | 400 | 0.27 | 0.04 | 0.06 | 0.01 | 0.00 | 1 |
| | M10CP015 | | ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 6" DIAMETER X 20' FOAM FLOAT | | 591 | 0.36 | 0.05 | 0.08 | 0.01 | 0.00 | 2 |
| | M10CP016 | | ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 8" DIAMETER X 20' FOAM FLOAT | | 810 | 0.48 | 0.08 | 0.11 | 0.02 | 0.00 | 3 |
| | M10CP017 | | ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 10" DIAMETER X 20' FOAM FLOAT | | 952 | 0.57 | 0.09 | 0.13 | 0.02 | 0.00 | 4 |
| | M10CP018 | | ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 4" DIAMETER X 20' FOAM FLOAT | | 552 | 0.36 | 0.05 | 0.08 | 0.01 | 0.00 | 2 |
| | M10CP019 | | ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 6" DIAMETER X 20' FOAM FLOAT | | 704 | 0.41 | 0.07 | 0.10 | 0.02 | 0.00 | 3 |
| | M10CP020 | | ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 8" DIAMETER X 20' FOAM FLOAT | | 905 | 0.51 | 0.09 | 0.13 | 0.02 | 0.00 | 3 |
| | M10CP021 | | ALUMINUM INTEGRAL FLOATING DISCHARGE LINE, 10" DIAMETER X 20' FOAM FLOAT | | 1,057 | 0.60 | 0.10 | 0.15 | 0.02 | 0.00 | 4 |
| | 0.30 SMALL MECHANICAL DREDGES | | | | | | | | | | |
| | 0.32 AMPHIBIOUS EXCAVATORS | | | | | | | | | | |
| | | KORI CORPORATION | | | | | | | | | |
| | M10KR001 | 4258-18 | 1 CY AMPHIBIOUS EXCAVATOR, CATERPILLAR MODEL 215 | 125 HP D | 241,436 | 50.77 | 13.37 | 17.10 | 4.82 | 4.32 | 550 |
| | M10KR002 | 5528-18 | 1.25 CY AMPHIBIOUS EXCAVATOR, CATERPILLAR MODEL 225 | 150 HP D | 258,609 | 55.18 | 14.32 | 18.32 | 5.16 | 5.18 | 630 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | M10KR003 | 4258-18 | .50CY AMPHIBIOUS DRAGLINE, LITTLE GIANT MODEL 48 | 125 HP D | 245,328 | 51.49 | 13.58 | 17.38 | 4.89 | 4.32 | 530 |
| | M10KR004 | 5528-18 | .75CY AMPHIBIOUS DRAGLINE, LITTLE GIANT MODEL 64 | 185 HP D | 304,208 | 65.34 | 16.85 | 21.55 | 6.07 | 6.39 | 600 |
| | M10KR005 | 4526-16 | AMPHIBIOUS ROTARY DITCHER, MALETTI MODEL 2G100-110 | 185 HP D | 205,417 | 47.12 | 11.38 | 14.55 | 4.10 | 6.39 | 420 |
| | M10KR006 | 4526-16 | AMPHIBIOUS PERSONNEL/CARGO CARRIER | 185 HP D | 195,625 | 45.31 | 10.83 | 13.86 | 3.90 | 6.39 | 410 |
| | 0.33 HOE-MOUNTED DREDGING EXCAVATOR | | | | | | | | | | |
| | | | ELLICOTT MACHINE | | | | | | | | |
| | M10EL009 | HMDE-50 | BACKHOE MOUNTED DREDGING EXCAVATOR, 6"-8" DISCHARGE DIAMETER, ADD 50 HP EXCAVATOR | HP D | 206,761 | 24.42 | 8.37 | 8.79 | 3.97 | 0.00 | 75 |
| | M10EL010 | HMDE-60 | BACKHOE MOUNTED DREDGING EXCAVATOR, 8"-12" DISCHARGE DIAMETER, ADD 100 HP EXCAVATOR | HP D | 349,210 | 41.25 | 14.13 | 14.84 | 6.71 | 0.00 | 180 |
| | M10EL011 | HMDE-94 | BACKHOE MOUNTED DREDGING EXCAVATOR, 10"-14" DISCHARGE DIAMETER, ADD 300 HP EXCAVATOR | HP D | 378,738 | 44.74 | 15.33 | 16.10 | 7.28 | 0.00 | 265 |
| | M10EL012 | HMDE-120 | BACKHOE MOUNTED DREDGING EXCAVATOR, 14"-18" DISCHARGE DIAMETER, ADD 500 HP EXCAVATOR | HP D | 764,615 | 90.32 | 30.95 | 32.50 | 14.70 | 0.00 | 850 |
| | 0.40 BARGES & FLOATS (NON-DREDGING) | | | | | | | | | | |
| | 0.41 WORK FLOATS | | | | | | | | | | |
| | | | MARINE INLAND FABRICATERS | | | | | | | | |
| | M10MZ001 | | 20'X8'X2' WORK FLOAT, MEDIUM DUTY | | 3,970 | 1.09 | 0.38 | 0.60 | 0.08 | 0.00 | 43 |
| | M10MZ002 | | 25'X8'X2' WORK FLOAT, MEDIUM DUTY | | 5,267 | 1.45 | 0.51 | 0.79 | 0.11 | 0.00 | 53 |
| | M10MZ003 | | 30'X10'X3' WORK FLOAT, MEDIUM DUTY | | 7,993 | 2.21 | 0.77 | 1.20 | 0.17 | 0.00 | 82 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.42 WORK BARGES (SECTIONAL) | | | | | | | | | | |
| | | | MARINE INLAND FABRICATERS | | | | | | | | |
| | M10MZ004 | | 35'X10'X3' WORK BARGE, MEDIUM DUTY | | 12,708 | 2.35 | 0.82 | 1.14 | 0.25 | 0.00 | 131 |
| | M10MZ005 | | 40'X12'X4' WORK BARGE, MEDIUM DUTY | | 18,780 | 3.47 | 1.22 | 1.69 | 0.37 | 0.00 | 193 |
| | M10MZ006 | | 45'X12'X4' WORK BARGE, MEDIUM DUTY | | 21,381 | 3.95 | 1.38 | 1.92 | 0.42 | 0.00 | 220 |
| | M10MZ007 | | 50'X14'X4' WORK BARGE, MEDIUM DUTY | | 25,818 | 4.77 | 1.67 | 2.32 | 0.51 | 0.00 | 273 |
| | M10MZ008 | | 55'X14'X5' WORK BARGE, MEDIUM DUTY | | 29,176 | 5.39 | 1.89 | 2.63 | 0.57 | 0.00 | 319 |
| | M10MZ009 | | 60'X16'X5' WORK BARGE, MEDIUM DUTY | | 35,458 | 6.56 | 2.30 | 3.19 | 0.70 | 0.00 | 388 |
| | 0.50 TUGS, BOATS & LAUNCHES | | | | | | | | | | |
| | 0.51 0 THRU 250 HP | | | | | | | | | | |
| | | | MARINE INLAND FABRICATERS | | | | | | | | |
| | M10MZ010 | | 20'-3"X8'X3' TRUCKABLE WORKBOAT | 140 HP D | 22,189 | 10.62 | 1.23 | 1.57 | 0.44 | 4.84 | 95 |
| | M10MZ011 | | 25'-3"X10'X3'6" TRUCKABLE WORKBOAT | 210 HP D | 35,689 | 16.34 | 1.98 | 2.53 | 0.71 | 7.26 | 190 |
| | M10MZ012 | | 25'-3"X12'X4' TRUCKABLE WORKBOAT | 210 HP D | 45,821 | 18.00 | 2.54 | 3.25 | 0.91 | 7.26 | 210 |
| | M10MZ013 | | 25'-3"X14'X4'6" TRUCKABLE WORKBOAT | 210 HP D | 60,213 | 20.36 | 3.34 | 4.27 | 1.20 | 7.26 | 260 |
| | | | SEAARK MARINE | | | | | | | | |
| | M10SM001 | 17' | LITTLE GIANT, UTILITY SERIES, TRI-HULL, CAPACITY 2000 LBS | 150 HP G | 21,776 | 24.70 | 1.20 | 1.54 | 0.43 | 15.38 | 18 |
| | M10SM002 | 19' | LITTLE GIANT, UTILITY SERIES, TRI-HULL, CAPACITY 2400 LBS | 185 HP G | 22,986 | 29.83 | 1.28 | 1.63 | 0.46 | 18.96 | 20 |
| | M10SM003 | 21' | LITTLE GIANT, UTILITY SERIES, TRI-HULL, CAPACITY 2800 LBS | 195 HP G | 24,268 | 31.44 | 1.34 | 1.72 | 0.48 | 19.99 | 24 |
| | M10SM004 | 23' | LITTLE GIANT, UTILITY SERIES, TRI-HULL, CAPACITY 3400 LBS | 195 HP G | 25,410 | 31.64 | 1.41 | 1.80 | 0.51 | 19.99 | 28 |
| | M10SM005 | 18' | RIVER RUNNER, VEE HULL CAPACITY 1350 LBS | 100 HP G | 11,108 | 15.91 | 0.62 | 0.79 | 0.22 | 10.25 | 15 |
| | M10SM006 | 20' | RIVER RUNNER, VEE HULL CAPACITY 1650 LBS | 115 HP G | 11,659 | 18.11 | 0.65 | 0.83 | 0.23 | 11.79 | 15 |
| | M10SM007 | 17' | ROUSTABOUT, TRI HULL CAPACITY 2200 LBS | 150 HP G | 17,981 | 24.08 | 1.00 | 1.27 | 0.36 | 15.38 | 16 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | M10SM008 | 19' | ROUSTABOUT, TRI HULL CAPACITY 2600 LBS | 185 HP G | 18,802 | 29.14 | 1.05 | 1.33 | 0.38 | 18.96 | 17 |
| | M10SM009 | 21' | ROUSTABOUT, TRI HULL CAPACITY 3000 LBS | 195 HP G | 20,268 | 30.79 | 1.12 | 1.44 | 0.40 | 19.99 | 25 |
| | M10SM010 | 23' | ROUSTABOUT, TRI HULL CAPACITY 3600 LBS | 195 HP G | 21,721 | 31.03 | 1.20 | 1.54 | 0.43 | 19.99 | 29 |
| 0.52 | 251 THRU 300 HP | | | | | | | | | | |
| | | SEAARK MARINE | | | | | | | | | |
| | M10SM011 | 2008-B | TRANSPORTER SERIES, 20'3" LONG, HULL: FLAT OR 5 DEGREE VEE CAPACITY 3500 LBS | 200 HP G | 32,133 | 33.78 | 1.78 | 2.28 | 0.64 | 20.50 | 34 |
| | M10SM012 | 2408-B | TRANSPORTER SERIES, 24'3" LONG, HULL: FLAT OR 5 DEGREE VEE CAPACITY 4000 LBS | 250 HP G | 39,022 | 42.02 | 2.16 | 2.76 | 0.78 | 25.63 | 41 |
| | M10SM013 | 2308-C | SURVEYOR SERIES, 22'10" LONG, HULL: FLAT OR 5 DEGREE VEE CAPACITY 4000 LBS | 250 HP G | 43,652 | 42.82 | 2.42 | 3.09 | 0.87 | 25.63 | 42 |
| | M10SM016 | 2008-C | SURVEYOR SERIES, 20'4" LONG TRI HULL, CAPACITY 3500 LBS | 200 HP G | 45,738 | 36.15 | 2.53 | 3.24 | 0.91 | 20.50 | 28 |
| 0.53 | 301 THRU 500 HP | | | | | | | | | | |
| | | SEAARK MARINE | | | | | | | | | |
| | M10SM014 | 2608-C | SURVEYOR SERIES, 25'10" LONG, TRI HULL, CAPACITY 4500 LBS | 300 HP G | 45,856 | 49.22 | 2.29 | 2.78 | 0.90 | 30.75 | 37 |
| | M10SM015 | 2610-C | SURVEYOR SERIES, 26'8" LONG, TRI HULL, CAPACITY 6000 LBS | 400 HP G | 72,004 | 67.29 | 3.61 | 4.37 | 1.42 | 41.00 | 58 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **P10** | **PILE EXTRACTORS & LEADS** | | | | | | | | | | |
| | | | INTERNATIONAL CONST. EQUIP. (I.C.E) | | | | | | | | |
| | P10IC001 | 216 | EXTRACTOR, LINE PULL 30 TON | 155 HP D | 81,820 | 31.47 | 6.40 | 8.86 | 1.97 | 5.36 | 130 |
| | P10IC002 | 416L | EXTRACTOR, LINE PULL 40 TON | 250 HP D | 132,762 | 50.98 | 10.39 | 14.38 | 3.20 | 8.64 | 220 |
| | P10IC003 | 612 | EXTRACTOR, LINE PULL 40 TON | 250 HP D | 150,181 | 56.11 | 11.76 | 16.27 | 3.62 | 8.64 | 226 |
| | P10IC004 | 812 | EXTRACTOR, LINE PULL 50 TON | 503 HP D | 211,501 | 86.19 | 16.55 | 22.91 | 5.09 | 17.38 | 306 |
| | P10IC005 | 1412 | EXTRACTOR, LINE PULL 100 TON | 650 HP D | 341,714 | 131.53 | 26.74 | 37.02 | 8.23 | 22.46 | 391 |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | | |
| | P10XX001 | | LEADS, 8" X 21", LENGTH 60' | | 13,520 | 4.98 | 1.06 | 1.46 | 0.33 | 0.00 | 57 |
| | P10XX002 | | LEADS, 8" X 26", LENGTH 60' | | 16,573 | 6.89 | 1.30 | 1.80 | 0.40 | 0.00 | 78 |
| | P10XX003 | | LEADS, 10" X 37", LENGTH 60' | | 27,616 | 11.13 | 2.16 | 2.99 | 0.66 | 0.00 | 135 |
| **P20** | **PILE HAMMERS, DOUBLE ACTING** | | | | | | | | | | |
| | | | INTERNATIONAL CONST. EQUIP. (I.C.E) | | | | | | | | |
| | P20IC001 | 180 | 8,100 FT-LBS, MAXIMUM STROKE 4'9" | 23 HP D | 44,318 | 16.84 | 3.47 | 4.80 | 1.07 | 0.79 | 52 |
| | P20IC002 | 440 | 18,100 FT-LBS, MAXIMUM STROKE 4'8" | 50 HP D | 70,793 | 27.54 | 5.54 | 7.67 | 1.70 | 1.73 | 122 |
| | P20IC003 | 520 | 30,000 FT-LBS, MAXIMUM STROKE 5'11" | 76 HP D | 77,439 | 31.13 | 6.06 | 8.39 | 1.86 | 2.63 | 159 |
| | P20IC004 | 640 | 40,000 FT-LBS, MAXIMUM STROKE 6'8" | 90 HP D | 81,883 | 33.37 | 6.41 | 8.87 | 1.97 | 3.11 | 169 |
| | P20IC005 | 660 | 50,000 FT-LBS, MAXIMUM STROKE N/A | 133 HP D | 113,983 | 46.83 | 8.92 | 12.35 | 2.74 | 4.60 | 285 |
| | P20IC006 | 1070 | 70,000 FT-LBS, MAXIMUM STROKE 7'0" | 136 HP D | 127,199 | 51.67 | 9.95 | 13.78 | 3.06 | 4.70 | 255 |
| | | | MKT GEOTECHNICAL | | | | | | | | |
| | P20MK001 | DA-15C | 9,350 FT-LBS,MAXIMUM STROKE 10'-6" DIESEL, (FUEL NOT INCLUDED) | | 50,963 | 18.43 | 3.99 | 5.52 | 1.23 | 0.00 | 60 |
| | P20MK002 | 5 | 1,000 FT-LBS,MAXIMUM STROKE 7" (ADD COMPRESSOR) | 250 CFM A | 15,678 | 5.83 | 1.23 | 1.70 | 0.38 | 0.00 | 17 |
| | P20MK003 | 6 | 2,500 FT-LBS,MAXIMUM STROKE 8-3/4" (ADD COMPRESSOR) | 400 CFM A | 19,991 | 7.45 | 1.57 | 2.17 | 0.48 | 0.00 | 31 |
| | P20MK004 | 7 | 4,150 FT-LBS,MAXIMUM STROKE 9-1/2" (ADD COMPRESSOR) | 450 CFM A | 24,919 | 9.31 | 1.95 | 2.70 | 0.60 | 0.00 | 42 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | P20MK005 | 9B3 | 8,750 FT-LBS,MAXIMUM STROKE 17" (ADD COMPRESSOR) | 600 CFM A | 44,230 | 16.22 | 3.46 | 4.79 | 1.06 | 0.00 | 74 |
| | P20MK006 | 10B3 | 13,100 FT-LBS,MAXIMUM STROKE 19" (ADD COMPRESSOR) | 750 CFM A | 46,435 | 17.16 | 3.64 | 5.03 | 1.12 | 0.00 | 114 |
| | P20MK007 | 11B3 | 19,150 FT-LBS,MAXIMUM STROKE 19" (ADD COMPRESSOR) | 900 CFM A | 53,513 | 19.68 | 4.19 | 5.80 | 1.29 | 0.00 | 141 |
| | | VULCAN | | | | | | | | | |
| | P20VU001 | 50C | 15,100 FT-LBS,MAXIMUM STROKE 15'-6" (ADD COMPRESSOR) | 1,250 CFM A | 57,821 | 21.22 | 4.52 | 6.26 | 1.39 | 0.00 | 153 |
| | P20VU002 | 65CA | 19,200 FT-LBS,MAXIMUM STROKE 15'-6" (ADD COMPRESSOR) | 1,450 CFM A | 65,843 | 24.20 | 5.16 | 7.13 | 1.59 | 0.00 | 153 |
| | P20VU003 | 80C | 24,450 FT-LBS,MAXIMUM STROKE 16'-6" (ADD COMPRESSOR) | 1,750 CFM A | 71,026 | 26.19 | 5.56 | 7.69 | 1.71 | 0.00 | 184 |
| | P20VU004 | 100C | 32,900 FT-LBS,MAXIMUM STROKE N/A" (ADD COMPRESSOR) | 2,050 CFM A | 87,133 | 32.09 | 6.82 | 9.44 | 2.10 | 0.00 | 232 |
| | P20VU005 | 140C | 36,000 FT-LBS,MAXIMUM STROKE 15'-6" (ADD COMPRESSOR) | 2,150 CFM A | 107,105 | 39.23 | 8.38 | 11.60 | 2.58 | 0.00 | 287 |
| | P20VU006 | 200C | 50,200 FT-LBS,MAXIMUM STROKE 15'-6" (ADD COMPRESSOR) | 2,550 CFM A | 153,990 | 56.12 | 12.05 | 16.68 | 3.71 | 0.00 | 398 |
| **P25 PILE HAMMERS, SINGLE ACTING** | | | | | | | | | | | |
| | | MKT GEOTECHNICAL | | | | | | | | | |
| | P25MK001 | DE-33/30/20B | 28,050 FT-LBS,MAXIMUM STROKE 10'-6" DIESEL, (FUEL NOT INCLUDED) | | 56,331 | 19.21 | 4.41 | 6.10 | 1.36 | 0.00 | 78 |
| | P25MK002 | DA-35C | 21,050 FT-LBS,MAXIMUM STROKE 10'-6" DIESEL, (FUEL NOT INCLUDED) | | 64,907 | 22.27 | 5.08 | 7.03 | 1.56 | 0.00 | 113 |
| | P25MK003 | DE-70B/50B | 42,000 FT-LBS,MAXIMUM STROKE 10'-9" DIESEL, (FUEL NOT INCLUDED) | | 89,146 | 30.50 | 6.98 | 9.66 | 2.15 | 0.00 | 140 |
| | | VULCAN | | | | | | | | | |
| | P25VU001 | 1 | 15,000 FT-LBS (ADD COMPRESSOR) | 750 CFM A | 42,533 | 14.71 | 3.33 | 4.61 | 1.02 | 0.00 | 101 |
| | P25VU002 | 06 | 19,500 FT-LBS (ADD COMPRESSOR) | 900 CFM A | 50,362 | 17.40 | 3.94 | 5.46 | 1.21 | 0.00 | 121 |
| | P25VU003 | 08 | 26,000 FT-LBS (ADD COMPRESSOR) | 1,100 CFM A | 61,359 | 21.19 | 4.81 | 6.65 | 1.48 | 0.00 | 175 |
| | P25VU004 | 010 | 32,900 FT-LBS (ADD COMPRESSOR) | 1,350 CFM A | 65,039 | 22.56 | 5.10 | 7.05 | 1.57 | 0.00 | 195 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | P25VU005 | 012 | 39,000 FT-LBS (ADD COMPRESSOR) | 1,500 CFM A | 73,287 | 25.22 | 5.73 | 7.94 | 1.76 | 0.00 | 215 |
| | P25VU006 | 014 | 42,000 FT-LBS (ADD COMPRESSOR) | 1,750 CFM A | 88,763 | 30.71 | 6.95 | 9.62 | 2.14 | 0.00 | 283 |
| | P25VU007 | 016 | 48,750 FT-LBS (ADD COMPRESSOR) | 1,750 CFM A | 99,887 | 34.44 | 7.82 | 10.82 | 2.41 | 0.00 | 320 |
| | P25VU008 | 020 | 60,000 FT-LBS (ADD COMPRESSOR) | 2,150 CFM A | 140,630 | 48.31 | 11.01 | 15.23 | 3.39 | 0.00 | 425 |
| | P25VU009 | 030 | 90,000 FT-LBS (ADD COMPRESSOR) | 2,350 CFM A | 161,470 | 55.41 | 12.64 | 17.49 | 3.89 | 0.00 | 575 |
| **P30** | **PILE HAMMERS, VIBRATORY** | | | | | | | | | | |
| | | | H&M VIBRO, INC | | | | | | | | |
| | P30HM001 | H-75A | VIBRATORY DRIVER/EXTRACTOR<br>PILE DRIVER, ADD 20-TON RT CRANE | 75 HP D | 70,105 | 27.06 | 5.49 | 7.59 | 1.69 | 2.59 | 40 |
| | | | MKT GEOTECHNICAL | | | | | | | | |
| | P30MK001 | V-5B | MAXIMUM DRIVING FORCE 40 TON | 113 HP D | 82,996 | 33.19 | 6.50 | 8.99 | 2.00 | 3.91 | 108 |
| | P30MK002 | V-17 | MAXIMUM DRIVING FORCE 80 TON | 280 HP D | 160,002 | 66.93 | 12.52 | 17.33 | 3.85 | 9.68 | 211 |
| | P30MK003 | V-20 | MAXIMUM DRIVING FORCE 116 TON | 350 HP D | 192,840 | 81.27 | 15.09 | 20.89 | 4.64 | 12.10 | 239 |
| | P30MK004 | V-30 | MAXIMUM DRIVING FORCE 160 TON | 550 HP D | 251,253 | 110.36 | 19.66 | 27.22 | 6.05 | 19.01 | 345 |
| | P30MK005 | V-36 | MAXIMUM DRIVING FORCE 182 TON | 650 HP D | 291,728 | 128.66 | 22.82 | 31.60 | 7.02 | 22.46 | 440 |
| **P35** | **PIPELAYERS** | | | | | | | | | | |
| | | | CATERPILLAR | | | | | | | | |
| | P35CA002 | 571G | 18 FT BOOM, 60,000 LB CAP | 200 HP D | 262,836 | 56.31 | 13.83 | 16.43 | 5.61 | 3.84 | 504 |
| | P35CA003 | 572G | 18 FT BOOM, 90,000 LB CAP | 200 HP D | 301,630 | 63.78 | 15.87 | 18.85 | 6.44 | 3.84 | 605 |
| | P35CA005 | 578 | PIPELAYER, 20'BOOM, 155,000LB CAP | 300 HP D | 408,895 | 87.28 | 21.50 | 25.56 | 8.72 | 5.76 | 1,019 |
| | P35CA006 | 589 | PIPELAYER, 25'BOOM, 230,000LB CAP | 420 HP D | 565,247 | 120.78 | 29.73 | 35.33 | 12.06 | 8.06 | 1,450 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **P40 PLATFORMS, AERIAL WORK** | | | | | | | | | | | |
| | | GROVE | | | | | | | | | |
| | P40GV001 | SM3270 | SCISSOR, M-LIFT, 26'HIGH, 1500# CAP | 23 HP G | 31,726 | 10.51 | 2.22 | 3.08 | 0.68 | 1.83 | 65 |
| | P40GV002 | SM31RT | SCISSOR, M-LIFT, 25'HIGH, 2000# CAP | 30 HP G | 34,890 | 12.07 | 2.43 | 3.36 | 0.75 | 2.39 | 57 |
| | P40GV003 | SM42RT | SCISSOR, M-LIFT, 36'HIGH, 1500# CAP | 30 HP G | 44,269 | 14.42 | 3.10 | 4.30 | 0.95 | 2.39 | 75 |
| | P40GV004 | MZ48B | BOOM, M-LIFT, 42' HIGH, 600# CAP | 30 HP G | 71,423 | 21.84 | 5.07 | 7.05 | 1.54 | 2.39 | 115 |
| | P40GV005 | MZ66A | BOOM, M-LIFT, 60'HIGH, 750# CAP | 62 HP G | 108,351 | 34.95 | 7.31 | 9.96 | 2.33 | 4.93 | 297 |
| | P40GV006 | MZ76 | BOOM, M-LIFT, 70'HIGH, 600# CAP | 62 HP G | 131,333 | 40.54 | 9.03 | 12.40 | 2.83 | 4.93 | 360 |
| | P40GV007 | MZ90 | BOOM, M-LIFT, 84'HIGH, 600# CAP | 62 HP G | 167,691 | 49.64 | 11.67 | 16.11 | 3.61 | 4.93 | 417 |
| | P40GV008 | MZ116B | BOOM, M-LIFT, 110'HIGH, 700# CAP | 62 HP G | 231,048 | 65.66 | 16.20 | 22.45 | 4.97 | 4.93 | 430 |
| | P40GV009 | AMZ40XT | ART BOOM,M-LIFT,34.5'H,600# CAP,4WD | 20 HP G | 51,163 | 15.68 | 3.63 | 5.05 | 1.10 | 1.59 | 110 |
| | P40GV010 | AMZ50XT | ART BOOM,M-LIFT,43.5'H,600# CAP,4WD | 33 HP G | 62,464 | 19.93 | 4.43 | 6.18 | 1.34 | 2.63 | 157 |
| | P40GV011 | AMZ66XT | ART BOOM,M-LIFT,60'H,600# CAP,4WD | 53 HP G | 112,941 | 34.90 | 7.95 | 11.03 | 2.43 | 4.22 | 233 |
| | | REACH ALL | | | | | | | | | |
| | P40RE001 | AP41MH | LINE TRUCK WITH AERIAL PLATFORM | 165 HP G | 72,345 | 36.74 | 5.13 | 7.14 | 1.56 | 13.13 | 16 |
| **P45 PUMPS, GROUT** | | | | | | | | | | | |
| | | CHEMGROUT | | | | | | | | | |
| | P45CG001 | CG-050 | GROUT PUMP,PORTABLE, 5 GPM, 100 PSI (ADD AIR COMPRESSOR) | 15 CFM A | 2,937 | 0.88 | 0.22 | 0.31 | 0.06 | 0.00 | 1 |
| | P45CG002 | CG-550 | GROUT PLANT/MIXER, 5 GPM, 100 PSI (ADD AIR COMPRESSOR) | 85 CFM A | 5,184 | 1.56 | 0.39 | 0.55 | 0.11 | 0.00 | 3 |
| | P45CG003 | CG-500 | GROUT PLANT, 1-20 GPM, 100 PSI (ADD AIR COMPRESSOR) | 230 CFM A | 13,803 | 4.05 | 1.03 | 1.47 | 0.29 | 0.00 | 11 |
| | P45CG004 | CG-600 | COLLOIDAL PUMP/MIXER,20 GPM,100 PSI (ADD AIR COMPRESSOR) | 450 CFM A | 24,857 | 7.33 | 1.84 | 2.64 | 0.52 | 0.00 | 18 |
| | P45CG005 | CG-625 | COLLOIDAL GROUT PUMP, 1.5 - 16 GPM (TRAILER MOUNTED) | 22 HP D | 26,871 | 9.07 | 1.98 | 2.83 | 0.56 | 1.12 | 26 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **P50 PUMPS, WATER, CENTRIFUGAL, TRASH** | | | | | | | | | | | |
| 0.10 | SKID MOUNTED | | | | | | | | | | |
| 0.11 | ENGINE DRIVE | | | | | | | | | | |
| | | HOMELITE | | | | | | | | | |
| | P50HO001 | 121TP2 | 2" - 10,400 GPH AT 25' HEAD, TRASH | 5 HP G | 1,173 | 1.28 | 0.09 | 0.11 | 0.03 | 0.71 | 1 |
| | P50HO002 | RDTP2 | 2" - 10,400 GPH AT 25' HEAD, TRASH | 6 HP D | 1,920 | 0.91 | 0.13 | 0.18 | 0.04 | 0.29 | 1 |
| | P50HO003 | 120TP3 | 3" - 19,680 GPH AT 25' HEAD, TRASH | 8 HP G | 1,425 | 1.93 | 0.10 | 0.13 | 0.03 | 1.14 | 2 |
| | P50HO004 | RDTP3 | 3" - 19,680 GPH AT 25' HEAD, TRASH | 8 HP D | 3,000 | 1.32 | 0.21 | 0.28 | 0.07 | 0.38 | 2 |
| | P50HO005 | 160TP4 | 4" - 39,720 GPH AT 25' HEAD, TRASH | 16 HP G | 3,099 | 3.92 | 0.22 | 0.29 | 0.07 | 2.28 | 4 |
| | | WACKER | | | | | | | | | |
| | P50WC001 | PT 2R | 2" DIA TRASH PUMP, 235GPM AT 100'HD | 5 HP G | 1,116 | 1.26 | 0.07 | 0.10 | 0.02 | 0.71 | 1 |
| | P50WC002 | PT 3R | 3" DIA TRASH PUMP, 440GPM AT 95'HD | 8 HP G | 1,379 | 1.92 | 0.10 | 0.13 | 0.03 | 1.14 | 2 |
| | P50WC003 | PT 4H | 4" DIA TRASH PUMP, 625GPM AT 87'HD | 12 HP D | 5,605 | 2.27 | 0.39 | 0.53 | 0.12 | 0.58 | 6 |
| | P50WC004 | PT 6DT | 6" DIA TRASH PUMP,1300GPM AT 100'HD | 35 HP D | 13,074 | 5.78 | 0.91 | 1.23 | 0.29 | 1.68 | 22 |
| **P55 PUMPS, WATER, SUBMERSIBLE** | | | | | | | | | | | |
| 0.01 | ENGINE DRIVE | | | | | | | | | | |
| | | GRIFFIN DEWATERING | | | | | | | | | |
| | P55GF001 | NBH | 4 INCH JET PUMP, SKID MOUNTED INCLUDES POWER UNIT | 22 HP D | 9,455 | 3.61 | 0.56 | 0.71 | 0.20 | 1.06 | 11 |
| | P55GF002 | MH | 6 INCH JET PUMP, SKID MOUNTED INCLUDES POWER UNIT | 22 HP D | 12,210 | 4.23 | 0.72 | 0.92 | 0.26 | 1.06 | 12 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.02 ELECTRIC DRIVE | | | | | | | | | | |
| | | GORMAN-RUPP | | | | | | | | | |
| | P55GR001 | S2A1 | 2" - 138 GPM AT 20' HEAD | 2 HP E | 1,961 | 0.56 | 0.12 | 0.15 | 0.04 | 0.14 | 2 |
| | P55GR002 | S3A1 | 3" - 278 GPM AT 20' HEAD | 5 HP E | 2,675 | 1.01 | 0.16 | 0.20 | 0.06 | 0.36 | 3 |
| | P55GR003 | S4A1 | 4" - 860 GPM AT 40' HEAD | 25 HP E | 10,744 | 4.59 | 0.64 | 0.81 | 0.23 | 1.80 | 12 |
| | P55GR004 | S6A1 | 6" - 1,950 GPM AT 40' HEAD | 60 HP E | 13,638 | 8.93 | 0.81 | 1.02 | 0.30 | 4.32 | 14 |
| | | MARLOW | | | | | | | | | |
| | P55ML001 | 2S11 | 2" - 84 GPM AT 20' HEAD | 1 HP E | 1,443 | 0.36 | 0.09 | 0.11 | 0.03 | 0.07 | 1 |
| | P55ML002 | 3S22 | 3" - 190 GPM AT 20' HEAD | 2 HP E | 2,045 | 0.56 | 0.12 | 0.15 | 0.04 | 0.14 | 1 |
| | P55ML003 | 4S83 | 4" - 550 GPM AT 25' HEAD | 8 HP E | 2,787 | 1.36 | 0.17 | 0.21 | 0.06 | 0.58 | 1 |
| | | WACKER | | | | | | | | | |
| | P55WC001 | STP 2500 | 3" - 485 GPM AT 55' HEAD | 3 HP E | 3,021 | 1.15 | 0.19 | 0.23 | 0.07 | 0.22 | 1 |
| | P55WC002 | STP 4500 | 4" - 350 GPM AT 85' HEAD | 6 HP E | 3,596 | 1.63 | 0.22 | 0.27 | 0.08 | 0.43 | 1 |
| | P55WC003 | STP 8000 | 4" - 975 GPM AT 110' HEAD | 11 HP E | 3,826 | 2.24 | 0.23 | 0.29 | 0.08 | 0.79 | 2 |
| P60 | PUMPS, WATER,CENTRIF,DEWATERING | | | | | | | | | | |
| | 0.10 SKID MOUNTED | | | | | | | | | | |
| | 0.11 ENGINE DRIVE | | | | | | | | | | |
| | | HOMELITE | | | | | | | | | |
| | P60HO001 | 111S1.5 | 1-1/2" - 5,500 GPH AT 30' HEAD | 3 HP G | 539 | 0.73 | 0.04 | 0.05 | 0.01 | 0.43 | 1 |
| | P60HO002 | 111S2 | 2" - 9,000 GPH AT 22' HEAD | 3 HP G | 735 | 0.78 | 0.06 | 0.07 | 0.02 | 0.43 | 1 |
| | P60HO003 | 120S3 | 3" -17,600 GPH AT 20' HEAD | 8 HP G | 1,254 | 1.90 | 0.09 | 0.12 | 0.03 | 1.14 | 1 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | MARLOW | | | | | | | | | |
| | P60ML001 | 4D2 | 465 GPM AT 40' HEAD | 38 HP G | 10,922 | 10.22 | 0.75 | 1.02 | 0.24 | 5.41 | 13 |
| | P60ML002 | 4C7 | 500 GPM AT 100' HEAD | 30 HP D | 11,583 | 5.05 | 0.81 | 1.09 | 0.26 | 1.44 | 10 |
| | P60ML003 | 6E4P | 1100 GPM AT 40' HEAD | 79 HP G | 16,444 | 19.65 | 1.13 | 1.54 | 0.36 | 11.24 | 19 |
| | P60ML004 | 6E4P | 1100 GPM AT 40' HEAD | 60 HP D | 21,212 | 9.58 | 1.47 | 1.99 | 0.47 | 2.88 | 24 |
| | P60ML005 | 8FB3-1 | 2320 GPM AT 20' HEAD | 70 HP D | 27,328 | 11.83 | 1.88 | 2.56 | 0.60 | 3.36 | 29 |
| | P60ML006 | 10FA61-1 | 2320 GPM AT 20' HEAD | 68 HP D | 28,410 | 11.97 | 1.96 | 2.66 | 0.63 | 3.26 | 34 |
| | 0.20 | WHEEL MOUNTED | | | | | | | | | |
| | 0.21 | ENGINE DRIVE | | | | | | | | | |
| | | GRIFFIN DEWATERING | | | | | | | | | |
| | P60GF003 | 250/4"M | POWER UNIT, 485 GPM AT 60' 4 INCH PUMP | 32 HP D | 15,175 | 6.10 | 1.04 | 1.40 | 0.34 | 1.54 | 19 |
| | P60GF004 | 400/8"T | POWER UNIT, 1770 GPM AT 60' 8 INCH PUMP | 61 HP D | 21,228 | 9.66 | 1.46 | 1.97 | 0.47 | 2.93 | 31 |
| | P60GF005 | 600/10"T | POWER UNIT, 3410 GPM AT 60' 10 INCH PUMP | 83 HP D | 25,097 | 12.17 | 1.73 | 2.33 | 0.56 | 3.98 | 34 |
| | P60GF006 | 800/12"T | POWER UNIT, 4410 GPM AT 60' 12 INCH PUMP | 110 HP D | 27,512 | 14.66 | 1.89 | 2.55 | 0.61 | 5.28 | 40 |
| | P60GF007 | 800/24"A | POWER UNIT, 14500 GPM AT 15' 24 INCH PUMP | 110 HP D | 29,837 | 15.25 | 2.05 | 2.77 | 0.66 | 5.28 | 10 |
| P65 | PUMPS, WATER, DIAPHRAGM | | | | | | | | | | |
| | 0.10 | SKID MOUNTED | | | | | | | | | |
| | 0.11 | ENGINE DRIVE | | | | | | | | | |
| | | HOMELITE | | | | | | | | | |
| | P65HO001 | 111DP2 | 2" - 2,000 GPH AT 25' HEAD | 3 HP G | 1,134 | 0.89 | 0.09 | 0.11 | 0.03 | 0.43 | 1 |
| | P65HO002 | 111DP3 | 3" - 4,800 GPH AT 25' HEAD | 3 HP G | 1,376 | 0.94 | 0.10 | 0.13 | 0.03 | 0.43 | 2 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **P70** | **PUMPS, WATER (FOR CORE DRILLS)** | | | | | | | | | | |
| | 0.01 | ENGINE DRIVE | | | | | | | | | |
| | | | ACKER DRILL | | | | | | | | |
| | P70AD001 | APS 11-5 | 6 GPM, UP TO 100 PSI | 2 HP G | 1,060 | 0.64 | 0.07 | 0.10 | 0.02 | 0.28 | 2 |
| **R10** | **RIPPERS & HYDRAULIC BANK SLOPERS (does not include cost of point wear)** | | | | | | | | | | |
| | | | CATERPILLAR | | | | | | | | |
| | R10CA001 | D-3 | RIPPER,THREE- SHANK, W/HYD-CONTROL | | 3,465 | 0.99 | 0.25 | 0.35 | 0.07 | 0.00 | 7 |
| | R10CA002 | D-3 | RIPPER,SHANKS, EACH | | 200 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 1 |
| | R10CA003 | D-4 | RIPPER,SINGLE-SHANK, W/HYD-CONTROL | | 7,089 | 1.93 | 0.51 | 0.71 | 0.15 | 0.00 | 12 |
| | R10CA004 | D-4 | RIPPER,SHANKS, EACH | | 387 | 0.10 | 0.03 | 0.04 | 0.01 | 0.00 | 1 |
| | R10CA005 | D-5 | RIPPER,SINGLE-SHANK, W/HYD-CONTROL | | 11,276 | 3.03 | 0.81 | 1.13 | 0.24 | 0.00 | 17 |
| | R10CA006 | D-5 | RIPPER,SHANKS, EACH | | 769 | 0.21 | 0.06 | 0.08 | 0.02 | 0.00 | 2 |
| | R10CA007 | D-6 | RIPPER,MULTI-SHANK, W/HYD-CONTROL | | 14,488 | 3.87 | 1.04 | 1.45 | 0.31 | 0.00 | 35 |
| | R10CA008 | D-6 | RIPPER,SHANKS, EACH | | 769 | 0.21 | 0.06 | 0.08 | 0.02 | 0.00 | 2 |
| | R10CA009 | D-7 | RIPPER,MULTI-SHANK, W/HYD-CONTROL | | 24,003 | 6.36 | 1.72 | 2.40 | 0.52 | 0.00 | 65 |
| | R10CA010 | D-7 | RIPPER,SHANKS, EACH | | 1,306 | 0.34 | 0.10 | 0.13 | 0.03 | 0.00 | 3 |
| | R10CA011 | D-8 | RIPPER,SINGLE-SHANK,W/HYD-CNTL&SHNK | | 42,190 | 11.14 | 3.02 | 4.22 | 0.91 | 0.00 | 101 |
| | R10CA012 | D-8 | RIPPER,MULTI-SHANK, W/HYD-CONTROL | | 42,273 | 11.16 | 3.03 | 4.23 | 0.91 | 0.00 | 104 |
| | R10CA013 | D-8 | RIPPER,SHANKS, EACH | | 2,547 | 0.66 | 0.18 | 0.25 | 0.05 | 0.00 | 7 |
| | R10CA014 | D-9 | RIPPER,SINGLE-SHANK,W/HYD-CNTL&SHNK | | 45,274 | 12.00 | 3.24 | 4.53 | 0.97 | 0.00 | 100 |
| | R10CA015 | D-9 | RIPPER,MULTI-SHANK, W/HYD-CONTROL | | 43,188 | 11.46 | 3.09 | 4.32 | 0.93 | 0.00 | 108 |
| | R10CA016 | D-9 | RIPPER, SHANKS, EACH | | 2,740 | 0.71 | 0.20 | 0.27 | 0.06 | 0.00 | 8 |
| | R10CA017 | D-10 | RIPPER, SINGLE-SHANK | | 63,725 | 16.87 | 4.56 | 6.37 | 1.37 | 0.00 | 147 |
| | R10CA018 | D-10 | RIPPER, MULTI-SHANK | | 64,939 | 17.20 | 4.65 | 6.49 | 1.40 | 0.00 | 150 |
| | R10CA019 | D-10 | RIPPER, SHANKS, EACH | | 4,463 | 1.17 | 0.33 | 0.45 | 0.10 | 0.00 | 11 |
| | R10CA020 | D-11N | RIPPER, SINGLE-SHANK | | 85,122 | 22.49 | 6.09 | 8.51 | 1.83 | 0.00 | 191 |
| | R10CA021 | D-11N | RIPPER, MULTI-SHANK | | 80,586 | 21.32 | 5.76 | 8.06 | 1.73 | 0.00 | 206 |
| | R10CA022 | D-11N | RIPPER, SHANKS, EACH | | 5,058 | 1.33 | 0.37 | 0.51 | 0.11 | 0.00 | 15 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FIATALLIS | | | | | | | | | |
| | R10FI001 | FD20 | RIPPER, MULTI-SHANK (3), REAR | | 23,682 | 6.29 | 1.70 | 2.37 | 0.51 | 0.00 | 88 |
| | R10FI002 | FD30 | RIPPER, MULTI-SHANK (3), REAR | | 38,793 | 10.25 | 2.78 | 3.88 | 0.84 | 0.00 | 108 |
| | R10FI003 | FD30B | RIPPER, MULTI-SHANK (3), HYD PITCH | | 48,124 | 12.69 | 3.45 | 4.81 | 1.04 | 0.00 | 108 |
| | R10FI004 | FD40 | RIPPER, MULTI-SHANK, HYD PITCH | | 49,869 | 13.24 | 3.57 | 4.99 | 1.07 | 0.00 | 200 |
| | R10FI005 | FD40B | RIPPER, MULTI-SHANK, HYD PITCH | | 62,562 | 16.57 | 4.48 | 6.26 | 1.35 | 0.00 | 200 |
| | R10FI006 | FD50 | RIPPER, MULTI-SHANK, HYD PITCH | | 61,470 | 16.36 | 4.40 | 6.15 | 1.32 | 0.00 | 280 |
| **R15** | **ROLLERS, TOWED - PNEUMATIC** | | | | | | | | | | |
| | | SOUTHWEST | | | | | | | | | |
| | R15SO001 | C-50 | 60 TON CAPACITY, STATIC | | 113,269 | 21.29 | 6.08 | 7.40 | 2.38 | 0.00 | 309 |
| | R15SO002 | C-75 | 75 TON CAPACITY, STATIC | | 124,980 | 23.37 | 6.16 | 7.07 | 2.62 | 0.00 | 347 |
| | R15SO003 | C-100XL | 100 TON CAPACITY, STATIC | | 187,801 | 35.28 | 9.99 | 12.10 | 3.94 | 0.00 | 551 |
| **R30** | **ROLLERS, STATIC, SELF-PROPELLED** | | | | | | | | | | |
| | 0.01 | PNEUMATIC | | | | | | | | | |
| | | BOMAG | | | | | | | | | |
| | R30BO001 | BW12R | 68.3" WIDE, 9 TIRES, HYDROSTATIC | 73 HP D | 43,959 | 13.37 | 3.05 | 4.19 | 0.95 | 2.52 | 90 |
| | R30BO002 | BW16R | 78.2" WIDE, 8 TIRES, HYDROSTATIC | 103 HP D | 93,679 | 26.17 | 6.49 | 8.93 | 2.02 | 3.56 | 165 |
| | R30BO003 | BW20R | 78.2" WIDE, 8 TIRES, HYDROSTATIC | 103 HP D | 104,221 | 28.56 | 7.23 | 9.98 | 2.24 | 3.56 | 254 |
| | | CATERPILLAR | | | | | | | | | |
| | R30CA001 | PS-110 | 84" WIDE, 11 TIRES | 77 HP D | 58,359 | 17.08 | 3.97 | 5.42 | 1.26 | 2.66 | 83 |
| | R30CA002 | PS-180 | 68" WIDE, 9 TIRES | 77 HP D | 59,544 | 17.27 | 4.09 | 5.61 | 1.28 | 2.66 | 95 |
| | R30CA008 | PS-130 | ROLLER, SELF-P, 68" WIDE, 9 TIRES | 77 HP D | 55,372 | 16.32 | 3.79 | 5.20 | 1.19 | 2.66 | 81 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FERGUSON | | | | | | | | | |
| | R30FR001 | SP-912 | 12 TON, 9 TIRES | 80 HP D | 47,429 | 14.53 | 3.22 | 4.40 | 1.02 | 2.76 | 88 |
| | R30FR002 | SP-915 | 15 TON, 9 TIRES | 80 HP D | 53,024 | 15.80 | 3.62 | 4.96 | 1.14 | 2.76 | 121 |
| | R30FR003 | SP-1118 | 18 TON, 11 TIRES, HYDROSTATIC | 118 HP D | 61,377 | 19.47 | 4.18 | 5.72 | 1.32 | 4.08 | 110 |
| | R30FR004 | SP-1130 | 30 TON, 11 TIRES, HYDROSTATIC | 121 HP D | 102,814 | 29.09 | 7.09 | 9.76 | 2.21 | 4.18 | 228 |
| | | HYSTER | | | | | | | | | |
| | R30HY001 | C530A | 10-12.5 TON, 9 TIRES, POWERSHIFT | 81 HP D | 51,335 | 15.46 | 3.50 | 4.79 | 1.10 | 2.80 | 80 |
| | | INGRAM | | | | | | | | | |
| | R30IG001 | 9-2800-PB | 12 TON, 9 TIRES, HYDROSTATIC | 76 HP D | 39,418 | 12.54 | 2.65 | 3.60 | 0.85 | 2.63 | 91 |
| | R30IG002 | 9-3400-PB | 15 TON, 9 TIRES, HYDROSTATIC | 76 HP D | 47,098 | 14.28 | 3.20 | 4.37 | 1.01 | 2.63 | 110 |
| | | INGERSOLL-RAND | | | | | | | | | |
| | R30IN001 | PT-120R | 13.5 TON, 9 TIRES, HYDROSTATIC | 76 HP D | 51,026 | 15.14 | 3.55 | 4.90 | 1.10 | 2.63 | 97 |
| | R30IN002 | PT-140A | 14.0 TON, 9 TIRES, HYDROSTATIC | 87 HP D | 62,734 | 18.28 | 4.39 | 6.07 | 1.35 | 3.01 | 145 |
| 0.02 | SMOOTH DRUM | | | | | | | | | | |
| | | FERGUSON | | | | | | | | | |
| | R30FR005 | 35A | 3-5 TON, TANDEM, HYDROSTATIC | 50 HP D | 35,069 | 9.18 | 2.15 | 2.81 | 0.74 | 1.73 | 83 |
| | R30FR006 | 46A | 4-6 TON, TANDEM, HYDROSTATIC | 60 HP D | 41,591 | 10.89 | 2.54 | 3.33 | 0.87 | 2.07 | 95 |
| | R30FR007 | 5-8B | 5-8 TON, TANDEM, HYDROSTATIC | 80 HP D | 62,641 | 15.95 | 3.82 | 5.01 | 1.31 | 2.76 | 131 |
| | R30FR008 | 8-10.5B | 8-10 TON, TANDEM, HYDROSTATIC | 80 HP D | 65,744 | 16.57 | 4.01 | 5.26 | 1.38 | 2.76 | 162 |
| | R30FR009 | 8-12B | 8-12 TON, TANDEM, HYDROSTATIC | 80 HP D | 68,943 | 17.21 | 4.21 | 5.52 | 1.45 | 2.76 | 171 |
| | R30FR010 | 10-14B | 10-14 TON, TANDEM, HYDROSTATIC | 80 HP D | 72,151 | 17.83 | 4.40 | 5.77 | 1.51 | 2.76 | 203 |
| | | HYSTER | | | | | | | | | |
| | R30HY002 | C330B | 3-5 TON, TANDEM | 48 HP D | 39,459 | 9.96 | 2.41 | 3.16 | 0.83 | 1.66 | 86 |
| | R30HY003 | C330B | 4-6 TON, TANDEM | 48 HP D | 46,639 | 11.37 | 2.85 | 3.73 | 0.98 | 1.66 | 96 |
| | R30HY004 | C340C | 5-8 TON, TANDEM | 80 HP D | 57,516 | 14.94 | 3.51 | 4.60 | 1.21 | 2.76 | 140 |
| | R30HY005 | C340C | 8-10 TON, TANDEM | 80 HP D | 61,520 | 15.73 | 3.75 | 4.92 | 1.29 | 2.76 | 162 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | R30HY006 | C350D | 8-12 TON, TANDEM | 80 HP D | 68,544 | 17.12 | 4.18 | 5.48 | 1.44 | 2.76 | 173 |
| | R30HY007 | C350D | 10-14 TON, TANDEM | 80 HP D | 72,871 | 17.98 | 4.45 | 5.83 | 1.53 | 2.76 | 215 |
| | | INTERNATIONAL/DRESSER | | | | | | | | | |
| | R30ID001 | S3-5B | 3-5 TON, TANDEM | 44 HP D | 39,673 | 9.81 | 2.42 | 3.17 | 0.83 | 1.52 | 78 |
| | R30ID002 | S4-6B | 4-6 TON, TANDEM | 44 HP D | 47,801 | 11.42 | 2.91 | 3.82 | 1.00 | 1.52 | 90 |
| | R30ID003 | 708 | 5-8 TON, TANDEM | 87 HP D | 63,867 | 16.51 | 3.90 | 5.11 | 1.34 | 3.01 | 133 |
| | R30ID004 | 710 | 8-10 TON, TANDEM | 87 HP D | 68,382 | 17.41 | 4.18 | 5.47 | 1.44 | 3.01 | 170 |
| | R30ID005 | 712 | 8-12 TON, TANDEM | 87 HP D | 72,591 | 18.24 | 4.43 | 5.81 | 1.52 | 3.01 | 176 |
| | R30ID006 | 714 | 10-14 TON, TANDEM | 87 HP D | 77,543 | 19.22 | 4.73 | 6.20 | 1.63 | 3.01 | 222 |
| | | INGRAM | | | | | | | | | |
| | R30IG007 | 10-15T AE | 10-15 TON, 3 WHEEL, ARTICULATED | 76 HP D | 62,752 | 15.81 | 3.83 | 5.02 | 1.32 | 2.63 | 197 |
| | R30IG008 | 12T EB | 12 TON, 3 WHEEL, 3" OVERLAP | 76 HP D | 63,496 | 15.95 | 3.87 | 5.08 | 1.33 | 2.63 | 195 |
| | R30IG009 | 14T EB | 14 TON, 3 WHEEL, 3" OVERLAP | 76 HP D | 68,049 | 16.85 | 4.15 | 5.44 | 1.43 | 2.63 | 215 |
| | R30IG010 | 4-6T FB | 4-6 TON, TANDEM | 54 HP G | 31,252 | 13.29 | 1.91 | 2.50 | 0.66 | 5.54 | 82 |
| | R30IG011 | 5-6.5T FB | 5-6.5 TON, TANDEM, PORTABLE | 58 HP G | 39,883 | 15.53 | 2.44 | 3.19 | 0.84 | 5.95 | 97 |
| | R30IG012 | 6-9T GB | 6-9 TON, TANDEM | 80 HP D | 49,779 | 13.40 | 3.03 | 3.98 | 1.04 | 2.76 | 133 |
| | R30IG013 | 8-10T GB | 8-10 TON, TANDEM | 85 HP D | 53,064 | 14.28 | 3.24 | 4.25 | 1.11 | 2.94 | 173 |
| | R30IG014 | 8-12T HB | 8-12 TON, TANDEM | 80 HP D | 58,140 | 15.06 | 3.55 | 4.65 | 1.22 | 2.76 | 172 |
| | R30IG015 | 10-14T HB | 10-14 TON, TANDEM | 80 HP D | 61,719 | 15.78 | 3.77 | 4.94 | 1.30 | 2.76 | 204 |
| | | ROSCO | | | | | | | | | |
| | R30RS001 | DLX ROLLPAC III | 1 TON, TANDEM, 34" WIDE | 14 HP G | 7,243 | 3.27 | 0.44 | 0.58 | 0.15 | 1.44 | 14 |
| | R30RS002 | STAPAC III | 2 TON, TANDEM, 40" WIDE | 18 HP G | 10,185 | 4.38 | 0.62 | 0.81 | 0.21 | 1.85 | 23 |
| 0.03 | TAMPING FOOT | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | R30CA003 | 815B | LANDFILL COMPACTOR, 56"DIA X 38.5"L TAMPING FOOT, WITHOUT BLADE | 210 HP D | 220,787 | 53.05 | 13.46 | 17.66 | 4.63 | 7.26 | 420 |
| | R30CA004 | 816B | LANDFILL COMPACTOR, 63"D X 40"L CHOPPER WHEELS, WITH STRAIGHT BLADE | 210 HP D | 220,586 | 53.02 | 13.46 | 17.65 | 4.63 | 7.26 | 451 |
| | R30CA005 | 825C | LANDFILL COMPACTOR, 51" DIA X 44" L TAMPING FOOT, WITHOUT BLADE | 310 HP D | 328,899 | 78.90 | 20.06 | 26.31 | 6.90 | 10.71 | 654 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | R30CA006 | 825C | LANDFILL COMPACTOR, 51" DIA X 44" L TAMPING FOOT, WITH STRAIGHT BLADE | 310 HP D | 335,975 | 80.31 | 20.49 | 26.88 | 7.05 | 10.71 | 706 |
| | R30CA007 | 826C | LANDFILL COMPACTOR, 60"D X 48"L CHOPPER WHEELS, WITH STRAIGHT BLADE | 310 HP D | 347,226 | 82.54 | 21.18 | 27.78 | 7.29 | 10.71 | 690 |
| **R40** | **ROLLERS, VIBRATORY, TOWED** | | | | | | | | | | |
| | | SOUTHWEST | | | | | | | | | |
| | R40SO001 | 566 SHEEPSFOOT | 72" WIDE X 56" DIA., 25.5 TON | 50 HP D | 89,408 | 25.02 | 6.39 | 8.94 | 1.92 | 2.40 | 165 |
| | R40SO002 | 756 SHEEPSFOOT | 78" WIDE X 66" DIA., 23.5 TON | 75 HP D | 115,717 | 33.07 | 8.28 | 11.57 | 2.49 | 3.60 | 169 |
| **R45** | **ROLLERS, VIBRATORY, DOUBLE DRUM,** | | | | | | | | | | |
| | | BOMAG | | | | | | | | | |
| | R45BO001 | BW120AD | 47.2" WIDE X 26.6" DIA.,HYDROSTATIC | 35 HP D | 35,129 | 12.45 | 2.52 | 3.51 | 0.76 | 1.68 | 51 |
| | R45BO002 | BW141AD | 55.9" WIDE X 41.3" DIA.,HYDROSTATIC | 70 HP D | 84,859 | 29.11 | 6.08 | 8.49 | 1.83 | 3.36 | 133 |
| | R45BO003 | BW151AD | 66.1" WIDE X 41.4" DIA.,HYDROSTATIC | 74 HP D | 89,357 | 30.66 | 6.39 | 8.94 | 1.92 | 3.55 | 140 |
| | R45BO004 | BW161AD | 66.0" WIDE X 47" DIA.,HYDROSTATIC | 102 HP D | 100,829 | 35.82 | 7.21 | 10.08 | 2.17 | 4.90 | 188 |
| | R45BO005 | BW202AD | 80.0" WIDE X 48" DIA.,HYDROSTATIC | 102 HP D | 106,556 | 37.47 | 7.62 | 10.66 | 2.29 | 4.90 | 209 |
| | | CATERPILLAR | | | | | | | | | |
| | R45CA001 | CB-214B | 39.4" WIDE X 27.5" DIAMETER | 33 HP D | 30,330 | 10.92 | 2.17 | 3.03 | 0.65 | 1.58 | 51 |
| | R45CA002 | CB-244B | 47.2" WIDE X 27.5" DIAMETER | 33 HP D | 35,832 | 12.50 | 2.56 | 3.58 | 0.77 | 1.58 | 54 |
| | R45CA005 | CB-434 | 56" WIDE X 43.5" DIAMETER | 80 HP D | 82,380 | 29.05 | 5.89 | 8.24 | 1.77 | 3.84 | 134 |
| | R45CA007 | CB-534 | 67" WIDE X 51" DIAMETER | 125 HP D | 105,804 | 38.78 | 7.57 | 10.58 | 2.28 | 6.00 | 201 |
| | R45CA008 | CB-614 | 78" WIDE X 54" DIAMETER | 155 HP D | 126,267 | 46.67 | 9.04 | 12.63 | 2.72 | 7.44 | 250 |
| | | DYNAPAC | | | | | | | | | |
| | R45DY001 | CC101 | 42" WIDE X 26" DIA., TANDEM, 2 TON | 31 HP D | 40,655 | 13.79 | 2.92 | 4.07 | 0.88 | 1.49 | 53 |
| | R45DY002 | CC211 | 57" WIDE X 41" DIA., TANDEM, 7 TON | 31 HP D | 97,837 | 30.28 | 7.00 | 9.78 | 2.11 | 1.49 | 157 |
| | R45DY003 | CC421 | 66" WIDE X 48" DIA., TANDEM, 12 TON | 123 HP D | 123,454 | 43.74 | 8.84 | 12.35 | 2.66 | 5.90 | 224 |
| | R45DY004 | CC501 | 84" WIDE X 60" DIA., TANDEM, 18 TON | 210 HP D | 181,328 | 66.16 | 12.97 | 18.13 | 3.90 | 10.08 | 342 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | HYSTER | | | | | | | | | |
| | R45HY002 | C766A | 66" WIDE X 48" DIAMETER, TANDEM | 102 HP D | 101,327 | 35.96 | 7.25 | 10.13 | 2.18 | 4.90 | 200 |
| | | INTERNATIONAL/DRESSER | | | | | | | | | |
| | R45ID003 | VOS2-66B | 66"WIDE X 48" DIAMETER, HYDROSTATIC | 120 HP D | 112,216 | 40.30 | 8.03 | 11.22 | 2.42 | 5.76 | 174 |
| | | INGERSOLL-RAND | | | | | | | | | |
| | R45IN001 | DD-23 | 39" WIDE X 28" DIAM., HYDROSTATIC | 31 HP D | 31,790 | 11.22 | 2.27 | 3.18 | 0.68 | 1.49 | 50 |
| | R45IN002 | DD-25 | 47" WIDE X 28" DIAM., HYDROSTATIC | 31 HP D | 35,809 | 12.38 | 2.56 | 3.58 | 0.77 | 1.49 | 56 |
| | R45IN003 | DD-35 | 40" WIDE X 30" DIAM., HYDROSTATIC | 32 HP D | 39,263 | 13.46 | 2.82 | 3.93 | 0.85 | 1.54 | 63 |
| | R45IN004 | DD-65 | 55" WIDE X 41" DIAM., HYDROSTATIC | 72 HP D | 92,260 | 31.38 | 6.61 | 9.23 | 1.99 | 3.46 | 135 |
| | R45IN005 | DD-90 | 66" WIDE X 48" DIAM., HYDROSTATIC | 112 HP D | 113,316 | 40.08 | 8.11 | 11.33 | 2.44 | 5.38 | 188 |
| | R45IN006 | DA-D50 | 75" WIDE X 50" DIAM., HYDROSTATIC | 115 HP D | 109,326 | 38.13 | 7.82 | 10.93 | 2.35 | 5.52 | 207 |
| | R45IN007 | DD-145 | 84" WIDE X 60" DIAM., HYDROSTATIC | 156 HP D | 149,498 | 53.43 | 10.70 | 14.95 | 3.22 | 7.49 | 310 |
| | | ROSCO | | | | | | | | | |
| | R45RS001 | VIBRASTATT III | 36" WIDE, 2 TON, TANDEM | 18 HP G | 11,536 | 6.85 | 0.83 | 1.15 | 0.25 | 2.56 | 28 |
| | R45RS002 | HYDRAPAC | 46" WIDE, 2 TON, TANDEM,ARTICULATED | 30 HP D | 26,516 | 9.63 | 1.90 | 2.65 | 0.57 | 1.44 | 53 |
| | | TAMPO | | | | | | | | | |
| | R45TA001 | RS-156A | 56" WIDE X 42" DIA, HYDROSTATIC | 78 HP D | 85,462 | 29.80 | 6.12 | 8.55 | 1.84 | 3.74 | 145 |
| | R45TA002 | RS-166A | 66" WIDE X 48" DIA, HYDROSTATIC | 108 HP D | 104,391 | 37.24 | 7.47 | 10.44 | 2.25 | 5.18 | 207 |
| **RS0** | **ROLLERS, VIBRATORY, SINGLE DRUM** | | | | | | | | | | |
| | | BOMAG | | | | | | | | | |
| | R50BO001 | BW142D | 56" WIDE X 42" DIA, HYDROSTATIC | 51 HP D | 64,597 | 21.08 | 4.58 | 6.37 | 1.39 | 2.45 | 100 |
| | R50BO002 | BW172D | 66" WIDE X 48" DIA, HYDROSTATIC | 71 HP D | 73,561 | 24.85 | 5.20 | 7.24 | 1.58 | 3.41 | 122 |
| | R50BO003 | BW213D | 83" WIDE X 59" DIA, HYDROSTATIC | 119 HP D | 109,682 | 37.97 | 7.71 | 10.70 | 2.36 | 5.71 | 241 |
| | R50BO004 | BW217D | 84" WIDE X 63" DIA, HYDROSTATIC | 167 HP D | 120,601 | 44.12 | 8.50 | 11.79 | 2.60 | 8.02 | 389 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CATERPILLAR | | | | | | | | | |
| | R50CA001 | CS-323 | 48" WIDE X 38" DIAMETER | 77 HP D | 62,760 | 22.26 | 4.46 | 6.22 | 1.35 | 3.70 | 94 |
| | R50CA002 | CP-323 (PADS) | 48" WIDE X 38" DIAMETER, PADFOOT | 77 HP D | 69,684 | 24.19 | 4.93 | 6.86 | 1.50 | 3.70 | 94 |
| | R50CA003 | CS-431B | 66" WIDE X 48" DIAMETER | 102 HP D | 70,444 | 26.04 | 4.99 | 6.93 | 1.52 | 4.90 | 140 |
| | R50CA004 | CP-433B (PADS) | 66" WIDE X 48" DIAMETER, PADFOOT | 102 HP D | 88,787 | 31.06 | 6.30 | 8.77 | 1.91 | 4.90 | 148 |
| | R50CA005 | CS-433B | 66" WIDE X 48" DIAMETER | 102 HP D | 79,736 | 28.58 | 5.65 | 7.86 | 1.72 | 4.90 | 142 |
| | R50CA006 | CS-551 | 84" WIDE X 60" DIAMETER | 155 HP D | 94,163 | 36.09 | 6.62 | 9.17 | 2.03 | 7.44 | 230 |
| | R50CA009 | CS-563 | 84" WIDE X 60" DIAMETER | 145 HP D | 103,220 | 37.90 | 7.26 | 10.08 | 2.22 | 6.96 | 245 |
| | R50CA010 | CP-563 (PADS) | 84" WIDE X 61" DIAMETER, PADFOOT | 145 HP D | 114,682 | 41.03 | 8.08 | 11.22 | 2.47 | 6.96 | 260 |
| | | DYNAPAC | | | | | | | | | |
| | R50DY001 | CA-151D | 66" WIDE X 48" DIA., 11 TON | 98 HP D | 91,905 | 31.63 | 6.52 | 9.08 | 1.98 | 4.70 | 142 |
| | R50DY002 | CA-151PD (PADS) | 66" WIDE X 48" DIA., 13 TON,TAMP FT | 98 HP D | 104,757 | 35.13 | 7.45 | 10.39 | 2.25 | 4.70 | 153 |
| | R50DY003 | CA-251 | 84" WIDE X 48" DIA., 22 TON | 151 HP D | 112,621 | 40.87 | 7.91 | 10.98 | 2.42 | 7.25 | 212 |
| | R50DY004 | CA-251PD (PADS) | 84" WIDE X 60" DIA., 22 TON,TAMP FT | 151 HP D | 133,121 | 46.47 | 9.41 | 13.07 | 2.87 | 7.25 | 247 |
| | R50DY005 | CA-301D | 84" WIDE X 61" DIA., 22 TON | 151 HP D | 132,716 | 46.36 | 9.38 | 13.03 | 2.86 | 7.25 | 266 |
| | R50DY006 | CA511PD (PADS) | 84" WIDE X 61" DIA., TANDEM, TF 22T | 154 HP D | 170,163 | 56.78 | 12.05 | 16.77 | 3.66 | 7.39 | 341 |
| | | HYSTER | | | | | | | | | |
| | R50HY005 | C830B | 66.5" WIDE X 48" DIAMETER | 107 HP D | 71,393 | 26.84 | 4.85 | 6.62 | 1.54 | 5.14 | 135 |
| | R50HY007 | C830B | 66.5"WIDE X 48"DIAMETER, DRUM DRIVE | 107 HP D | 72,083 | 26.76 | 5.10 | 7.10 | 1.55 | 5.14 | 135 |
| | R50HY008 | C832B (PAD) | 66.5"WIDE X 67"DIAMETER, DRUM DRIVE | 107 HP D | 88,442 | 31.22 | 6.27 | 8.73 | 1.90 | 5.14 | 150 |
| | R50HY009 | C850B | 84" WIDE X 59" DIAMETER | 145 HP D | 108,193 | 39.28 | 7.61 | 10.55 | 2.33 | 6.96 | 208 |
| | R50HY010 | C850B | 84" WIDE X 59" DIAMETER, DRUM DRIVE | 145 HP D | 108,193 | 39.12 | 7.61 | 10.55 | 2.33 | 6.96 | 208 |
| | R50HY011 | C860B | 84" WIDE X 60" DIAMETER | 145 HP D | 112,750 | 40.53 | 7.94 | 11.01 | 2.43 | 6.96 | 243 |
| | R50HY012 | C852B (PAD) | 84" WIDE X 67" DIAMETER | 145 HP D | 117,326 | 41.78 | 8.25 | 11.44 | 2.53 | 6.96 | 235 |
| | R50HY013 | C860B | 84" WIDE X 60" DIAMETER, DRUM DRIVE | 145 HP D | 121,831 | 42.84 | 8.58 | 11.91 | 2.62 | 6.96 | 243 |
| | | INTERNATIONAL/DRESSER | | | | | | | | | |
| | R50ID001 | VOS66A | 66" WIDE X 48" DIA., GEN'L PURPOSE | 80 HP D | 82,022 | 27.76 | 5.82 | 8.09 | 1.77 | 3.84 | 129 |
| | R50ID002 | VOSD66A | 66" WIDE X 48" DIA., DRUM DRIVE | 80 HP D | 89,511 | 29.75 | 6.35 | 8.84 | 1.93 | 3.84 | 131 |
| | R50ID003 | VOSA66A | 66" WIDE X 48" DIA., ASPHALT | 80 HP D | 90,056 | 29.95 | 6.39 | 8.89 | 1.94 | 3.84 | 133 |
| | R50ID004 | VOSPD66A (PAD) | 66" WIDE X 48" DIA., DRUM DRIVE | 80 HP D | 98,826 | 32.29 | 7.02 | 9.77 | 2.13 | 3.84 | 139 |
| | R50ID005 | VOS84A | 84" WIDE X 60" DIA., GEN'L PURPOSE | 120 HP D | 97,107 | 34.53 | 6.88 | 9.57 | 2.09 | 5.76 | 209 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | R50ID006 | VOSA84A | 84" WIDE X 60" DIA., ASPHALT | 120 HP D | 106,289 | 37.08 | 7.49 | 10.40 | 2.29 | 5.76 | 215 |
| | R50ID007 | VOSD84A | 84" WIDE X 60" DIA., DRUM DRIVE | 120 HP D | 107,299 | 37.23 | 7.61 | 10.59 | 2.31 | 5.76 | 215 |
| | R50ID008 | VOSPD84A (PAD) | 84" WIDE X 60" DIA., DRUM DRIVE | 120 HP D | 113,759 | 39.00 | 8.07 | 11.24 | 2.45 | 5.76 | 209 |
| | | INGERSOLL-RAND | | | | | | | | | |
| | R50IN001 | SD-40D | 54" WIDE X 38" DIAM., HYDROSTATIC | 76 HP D | 63,139 | 22.33 | 4.48 | 6.23 | 1.36 | 3.65 | 96 |
| | | TAMPO | | | | | | | | | |
| | R50TA001 | RS-16-HD | 60" WIDE X 48" DIA, HYDROSTATIC | 78 HP D | 64,387 | 22.79 | 4.57 | 6.35 | 1.39 | 3.74 | 124 |
| | R50TA002 | RS-16A-HD | 60" WIDE X 48" DIA, HYDROSTATIC | 78 HP D | 70,733 | 24.53 | 5.00 | 6.96 | 1.52 | 3.74 | 133 |
| | R50TA003 | RP-16D-HD (PADS) | 60" WIDE X 48" DIA, HYDROSTATIC | 78 HP D | 73,608 | 25.30 | 5.22 | 7.27 | 1.58 | 3.74 | 136 |
| | R50TA004 | RS-58 | 84" WIDE X 60" DIA, HYDROSTATIC | 132 HP D | 97,944 | 35.62 | 6.87 | 9.52 | 2.11 | 6.34 | 208 |
| | R50TA005 | RS-58A | 84" WIDE X 60" DIA, HYDROSTATIC | 132 HP D | 104,257 | 37.32 | 7.34 | 10.20 | 2.24 | 6.34 | 208 |
| | R50TA006 | RS-58D | 84" WIDE X 60" DIA, HYDROSTATIC | 132 HP D | 103,111 | 37.03 | 7.24 | 10.04 | 2.22 | 6.34 | 222 |
| | R50TA007 | RP-58D (PADS) | 84" WIDE X 60" DIA, HYDROSTATIC | 132 HP D | 108,095 | 38.40 | 7.60 | 10.54 | 2.33 | 6.34 | 234 |
| **R55** | **ROOFING EQUIPMENT** | | | | | | | | | | |
| | | AEROIL PRODUCTS | | | | | | | | | |
| | R55AE001 | EZ LOAD 240 | KETTLE, 240 GAL.,WITH PUMP & COVER | | 7,055 | 2.82 | 0.64 | 0.98 | 0.15 | 0.00 | 17 |
| | R55AE002 | EZ LOAD 400 | KETTLE, 400 GAL.,WITH PUMP & COVER | | 8,865 | 3.39 | 0.80 | 1.22 | 0.19 | 0.00 | 23 |
| | R55AE003 | EZ LOAD 600 | KETTLE, 600 GAL.,WITH PUMP & COVER | | 11,792 | 4.60 | 1.06 | 1.60 | 0.26 | 0.00 | 38 |
| | R55AE004 | EZ LOAD 900 | KETTLE, 900 GAL.,WITH PUMP & COVER | | 14,720 | 6.76 | 1.31 | 1.97 | 0.32 | 0.00 | 54 |
| | R55AE005 | MODEL 52 | CONVEYOR, HYDRAULIC, 52' HEIGHT | 23 HP G | 22,210 | 10.07 | 2.04 | 3.11 | 0.48 | 2.18 | 39 |
| | R55AE006 | MODEL 62 | CONVEYOR, HYDRAULIC, 62' HEIGHT | 23 HP G | 24,978 | 10.98 | 2.29 | 3.50 | 0.54 | 2.18 | 55 |
| | R55AE007 | MODEL 68 | CONVEYOR, HYDRAULIC, 68' HEIGHT | 23 HP G | 27,971 | 11.97 | 2.57 | 3.92 | 0.61 | 2.18 | 58 |
| | R55AE008 | MODEL S | RHINO ROOF PEELER, 16" WIDE | 8 HP G | 3,940 | 2.27 | 0.37 | 0.56 | 0.09 | 0.76 | 4 |
| | R55AE009 | MARK I | ROOF CUTTER,SINGLE BLADE,3.75"DEPTH | 9 HP G | 1,445 | 1.56 | 0.13 | 0.20 | 0.03 | 0.85 | 2 |
| | R55AE010 | MARK II | ROOF CUTTER,DOUBLE BLADE,3.75"DEPTH | 16 HP G | 2,504 | 2.76 | 0.23 | 0.35 | 0.05 | 1.52 | 3 |
| | | GARLOCK | | | | | | | | | |
| | R55GL001 | MODEL 115 | KETTLE, 115 GAL. | | 2,298 | 1.25 | 0.20 | 0.30 | 0.05 | 0.00 | 9 |
| | R55GL002 | MODEL 175 | KETTLE, 175 GAL. WITH PUMP | | 4,489 | 1.97 | 0.41 | 0.61 | 0.10 | 0.00 | 12 |
| | R55GL003 | MODEL 400 | KETTLE, 400 GAL. WITH PUMP | | 6,379 | 2.84 | 0.58 | 0.87 | 0.14 | 0.00 | 24 |

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | R55GL004 | MODEL 600 | KETTLE, 600 GAL. WITH PUMP | | 7,938 | 3.33 | 0.71 | 1.08 | 0.17 | 0.00 | 32 |
| | R55GL005 | MODEL 62 | CONVEYOR, HYDRAULIC, 62' HEIGHT | 25 HP G | 26,310 | 11.69 | 2.44 | 3.73 | 0.57 | 2.37 | 60 |
| | R55GL006 | MODEL 72 | CONVEYOR, HYDRAULIC, 72' HEIGHT | 25 HP G | 31,566 | 13.42 | 2.93 | 4.47 | 0.69 | 2.37 | 70 |
| | R55GL007 | MODEL 1400 | HOIST, HYDRAULIC SWING | 18 HP G | 8,212 | 4.89 | 0.76 | 1.16 | 0.18 | 1.71 | 7 |
| | R55GL008 | MODEL 86 | POWER SWEEPER, 42" WIDTH | 4 HP G | 1,893 | 1.11 | 0.18 | 0.27 | 0.04 | 0.38 | 2 |
| | R55GL009 | | ROTARY PLANER, 12" PATH | 8 HP G | 1,469 | 1.45 | 0.14 | 0.21 | 0.03 | 0.76 | 2 |
| | R55GL010 | MODEL 21 | ROOF CUTTER, 21", DOUBLE SAW | 16 HP G | 2,429 | 2.74 | 0.22 | 0.34 | 0.05 | 1.52 | 3 |
| | R55GL011 | MODEL 30 | ROOF CUTTER, 30", DOUBLE SAW | 16 HP G | 2,484 | 2.76 | 0.23 | 0.35 | 0.05 | 1.52 | 3 |
| **S10** | **SCRAPERS, ELEVATING** | | | | | | | | | | |
| | 0.01 | 0 THRU 200 HP | | | | | | | | | |
| | | | CATERPILLAR | | | | | | | | |
| | S10CA001 | 613-C | 11 CY, 13 TON, POWERSHIFT | 175 HP D | 179,068 | 46.11 | 10.54 | 13.55 | 3.76 | 6.22 | 325 |
| | | | INTERNATIONAL/DRESSER | | | | | | | | |
| | S10ID001 | 412B | 11 CY, POWERSHIFT | 165 HP D | 166,367 | 43.41 | 9.73 | 12.47 | 3.49 | 5.86 | 335 |
| | | | JOHN DEERE | | | | | | | | |
| | S10JD001 | 762B | 11 CY, 13.7 TON, POWERSHIFT | 180 HP D | 168,187 | 44.75 | 9.78 | 12.49 | 3.53 | 6.39 | 371 |
| | 0.02 | OVER 200 HP | | | | | | | | | |
| | | | CATERPILLAR | | | | | | | | |
| | S10CA002 | 615-C | 16 CY, 19 TON, POWERSHIFT | 265 HP D | 280,763 | 69.54 | 16.90 | 22.38 | 5.71 | 9.41 | 514 |
| | S10CA003 | 623-E | 22 CY, 25 TON, POWERSHIFT | 365 HP D | 396,536 | 98.67 | 23.71 | 31.29 | 8.06 | 12.96 | 743 |
| | | | FIATALLIS | | | | | | | | |
| | S10FI002 | 261B | 23 CY, 26.5 TON, POWERSHIFT | 330 HP D | 427,771 | 101.46 | 25.91 | 34.41 | 8.70 | 11.72 | 635 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | JOHN DEERE | | | | | | | | | |
| | S10JD002 | 862B | 16 CY, 20.0 TON, POWERSHIFT | 265 HP D | 250,288 | 63.75 | 15.01 | 19.83 | 5.09 | 9.41 | 482 |
| **S15 SCRAPERS, CONVENTIONAL** | | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | S15CA001 | 621-E | 14-20 CY, 24 TON, POWERSHIFT | 330 HP D | 355,129 | 87.50 | 21.11 | 27.77 | 7.22 | 10.45 | 670 |
| | S15CA002 | 631-E | 21-31 CY, 37.5 TON, POWERSHIFT | 450 HP D | 545,070 | 131.76 | 32.41 | 42.65 | 11.08 | 14.26 | 948 |
| | S15CA003 | 651-E | 32-44 CY, 52 TON, POWERSHIFT | 550 HP D | 712,872 | 169.83 | 42.53 | 56.07 | 14.49 | 17.42 | 1,328 |
| | | FIATALLIS | | | | | | | | | |
| | S15FI001 | 260B | 15-21 CY, 25 TON, POWERSHIFT | 330 HP D | 380,097 | 90.25 | 23.01 | 30.56 | 7.73 | 10.45 | 583 |
| | | TEREX | | | | | | | | | |
| | S15TE001 | S24C | 24-34 CY, 40.8 TON | 480 HP D | 527,524 | 130.61 | 31.16 | 40.88 | 10.72 | 15.21 | 1,021 |
| **S20 SCRAPERS, TANDEM POWERED** | | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | S20CA001 | 627-E | 14-20 CY, 24 TON, POWERSHIFT | 225 HP D | 404,025 | 106.28 | 24.11 | 31.79 | 8.21 | 15.12 | 782 |
| | | | (WITH CARRIER ENGINE) | 225 HP D | | | | | | | |
| | S20CA002 | 627-E PP | 14-20 CY, 24 TON, PUSH-PULL, PS | 225 HP D | 426,134 | 110.41 | 25.50 | 33.67 | 8.66 | 15.12 | 801 |
| | | | (WITH CARRIER ENGINE) | 225 HP D | | | | | | | |
| | S20CA003 | 637-E | 21-31 CY, 37.5 TON, POWERSHIFT | 450 HP D | 687,806 | 175.07 | 41.38 | 54.79 | 13.98 | 23.52 | 1,100 |
| | | | (WITH CARRIER ENGINE) | 250 HP D | | | | | | | |
| | S20CA004 | 637-E PP | 21-31 CY, 37.5 TON, PUSH-PULL,PS | 450 HP D | 715,965 | 180.31 | 43.14 | 57.18 | 14.55 | 23.52 | 1,136 |
| | | | (WITH CARRIER ENGINE) | 250 HP D | | | | | | | |
| | S20CA005 | 657-E | 32-44 CY, 52 TON, POWER SHIFT | 550 HP D | 862,694 | 222.37 | 51.94 | 68.80 | 17.54 | 31.92 | 1,522 |
| | | | (WITH CARRIER ENGINE) | 400 HP D | | | | | | | |
| | S20CA006 | 657-E PP | 32-44 CY, 52 TON, PUSH-PULL, PS | 550 HP D | 914,800 | 232.09 | 55.22 | 73.23 | 18.60 | 31.92 | 1,597 |
| | | | (WITH CARRIER ENGINE) | 400 HP D | | | | | | | |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TEREX | | | | | | | | | |
| | S20TE001 | TS-14C | 14-20 CY, 23.5 TON (WITH CARRIER ENGINE) | 154 HP D<br>136 HP D | 356,446 | 88.42 | 21.35 | 28.19 | 7.25 | 9.74 | 576 |
| | S20TE002 | TS-24C | 24-34 CY, 40.8 TON (WITH CARRIER ENGINE) | 480 HP D<br>260 HP D | 680,022 | 176.61 | 40.74 | 53.84 | 13.82 | 24.86 | 1,128 |
| **S25** | **SCRAPERS, TRACTOR DRAWN** | | | | | | | | | | |
| | | ROME | | | | | | | | | |
| | S25RM001 | R67H | 12-18 CY, 18 TON, WITH HYDRAULICS (ADD TRACTOR) | | 96,706 | 18.13 | 4.89 | 5.77 | 2.00 | 0.00 | 235 |
| | S25RM002 | R89H | 18-26 CY, 27 TON, WITH HYDRAULICS (ADD TRACTOR) | | 108,738 | 20.98 | 5.25 | 6.01 | 2.24 | 0.00 | 373 |
| **S30** | **SCREENING & CRUSHING PLANTS** | | | | | | | | | | |
| | 0.10 | CONVEYORS | | | | | | | | | |
| | | KOLBERG | | | | | | | | | |
| | S30KB001 | 13-2480 | PORTABLE STACKING CONVEYOR, 24 IN. X 80 FT. | 15 HP E | 21,724 | 6.59 | 1.16 | 1.40 | 0.46 | 0.78 | 14 |
| | S30KB002 | 13-24100 | PORTABLE STACKING CONVEYOR, 24 IN. X 100 FT. | 15 HP E | 24,004 | 7.06 | 1.28 | 1.55 | 0.50 | 0.78 | 18 |
| | S30KB003 | 13-3080 | PORTABLE STACKING CONVEYOR, 30 IN. X 80 FT. | 25 HP E | 24,268 | 8.16 | 1.30 | 1.57 | 0.51 | 1.30 | 20 |
| | S30KB004 | 13-30100 | PORTABLE STACKING CONVEYOR, 30 IN. X 100 FT. | 25 HP E | 26,737 | 8.69 | 1.43 | 1.73 | 0.56 | 1.30 | 25 |
| | S30KB005 | 13-3680 | PORTABLE STACKING CONVEYOR, 36 IN. X 80 FT. | 30 HP E | 27,884 | 9.44 | 1.49 | 1.79 | 0.59 | 1.56 | 30 |
| | S30KB006 | 13-36100 | PORTABLE STACKING CONVEYOR, 36 IN. X 100 FT. | 40 HP E | 32,445 | 11.34 | 1.73 | 2.10 | 0.68 | 2.08 | 38 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | S30KB007 | 31-2485 | SIDEFOLDING STACKER,24 IN. X 85 FT. | 15 HP E | 42,122 | 10.70 | 2.39 | 3.02 | 0.88 | 0.78 | 22 |
| | S30KB008 | 31-24105 | SIDEFOLDING STACKER,24 IN. X 105 FT | 20 HP E | 46,457 | 12.07 | 2.65 | 3.33 | 0.98 | 1.04 | 27 |
| | S30KB009 | 31-24125 | SIDEFOLDING STACKER,24 IN. X 125 FT | 20 HP E | 57,639 | 14.21 | 3.31 | 4.19 | 1.21 | 1.04 | 33 |
| | S30KB010 | 31-3085 | SIDEFOLDING STACKER,30 IN. X 85 FT. | 25 HP E | 43,858 | 12.02 | 2.48 | 3.12 | 0.92 | 1.30 | 32 |
| | S30KB011 | 31-30105 | SIDEFOLDING STACKER,30 IN. X 105 FT | 30 HP E | 48,827 | 13.51 | 2.76 | 3.47 | 1.02 | 1.56 | 39 |
| | S30KB012 | 31-30125 | SIDEFOLDING STACKER,30 IN. X 125 FT | 40 HP E | 69,636 | 18.39 | 4.01 | 5.10 | 1.46 | 2.08 | 47 |
| | S30KB013 | 31-3685 | SIDEFOLDING STACKER, 36 IN. X 85 FT | 30 HP E | 58,301 | 15.46 | 3.32 | 4.20 | 1.22 | 1.56 | 42 |
| | S30KB014 | 31-36105 | SIDEFOLDING STACKER,36 IN. X 105 FT | 50 HP E | 68,983 | 19.25 | 3.95 | 4.99 | 1.45 | 2.60 | 59 |
| | S30KB015 | 31-36125 | SIDEFOLDING STACKER,36 IN. X 125 FT | 60 HP E | 77,368 | 21.80 | 4.43 | 5.61 | 1.62 | 3.12 | 70 |
| | S30KB016 | 35-24100 | FIXED HEIGHT STACKER,24 IN. X 100FT | 20 HP E | 31,588 | 9.07 | 1.81 | 2.29 | 0.66 | 1.04 | 26 |
| | S30KB017 | 35-24120 | FIXED HEIGHT STACKER,24 IN. X 120FT | 20 HP E | 32,897 | 9.37 | 1.87 | 2.36 | 0.69 | 1.04 | 31 |
| | S30KB018 | 35-24150 | FIXED HEIGHT STACKER,24 IN. X 150FT | 25 HP E | 57,696 | 14.61 | 3.35 | 4.28 | 1.21 | 1.30 | 39 |
| | S30KB019 | 35-30100 | FIXED HEIGHT STACKER,30 IN. X 100FT | 30 HP E | 35,310 | 10.76 | 2.01 | 2.54 | 0.74 | 1.56 | 38 |
| | S30KB020 | 35-30120 | FIXED HEIGHT STACKER,30 IN. X 120FT | 30 HP E | 39,298 | 11.58 | 2.23 | 2.82 | 0.82 | 1.56 | 45 |
| | S30KB021 | 35-30150 | FIXED HEIGHT STACKER,30 IN. X 150FT | 40 HP E | 69,619 | 18.29 | 4.05 | 5.17 | 1.46 | 2.08 | 56 |
| | S30KB022 | 35-36100 | FIXED HEIGHT STACKER,36 IN. X 100FT | 50 HP E | 42,825 | 14.21 | 2.43 | 3.06 | 0.90 | 2.60 | 56 |
| | S30KB023 | 35-36120 | FIXED HEIGHT STACKER,36 IN. X 120FT | 50 HP E | 52,153 | 16.10 | 2.97 | 3.75 | 1.09 | 2.60 | 67 |
| | S30KB024 | 35-36150 | FIXED HEIGHT STACKER,36 IN. X 150FT | 60 HP E | 82,024 | 22.85 | 4.74 | 6.03 | 1.72 | 3.12 | 84 |
| | S30KB025 | 36-24100 | ADJUSTABLE HEIGHT RADIAL STACKER, 24 IN. X 100 FT. | 15 HP E | 42,355 | 10.69 | 2.47 | 3.15 | 0.89 | 0.78 | 52 |
| | S30KB026 | 36-24120 | ADJUSTABLE HEIGHT RADIAL STACKER, 24 IN. X 120 FT. | 15 HP E | 50,301 | 12.29 | 2.94 | 3.75 | 1.06 | 0.78 | 57 |
| | S30KB027 | 36-24150 | ADJUSTABLE HEIGHT RADIAL STACKER, 24 IN. X 150 FT. | 20 HP E | 63,135 | 15.29 | 3.69 | 4.71 | 1.33 | 1.04 | 65 |
| | S30KB028 | 36-30100 | ADJUSTABLE HEIGHT RADIAL STACKER, 30 IN. X 100 FT. | 30 HP E | 53,252 | 14.24 | 3.11 | 3.98 | 1.12 | 1.56 | 64 |
| | S30KB029 | 36-30120 | ADJUSTABLE HEIGHT RADIAL STACKER, 30 IN. X 120 FT. | 30 HP E | 59,244 | 15.43 | 3.45 | 4.42 | 1.24 | 1.56 | 71 |
| | S30KB030 | 36-30150 | ADJUSTABLE HEIGHT RADIAL STACKER, 30 IN. X 150 FT. | 40 HP E | 73,011 | 19.03 | 4.25 | 5.44 | 1.53 | 2.08 | 82 |
| | S30KB031 | 36-36100 | ADJUSTABLE HEIGHT RADIAL STACKER, 36 IN. X 100 FT. | 50 HP E | 62,759 | 18.02 | 3.65 | 4.66 | 1.32 | 2.60 | 82 |
| | S30KB032 | 36-36120 | ADJUSTABLE HEIGHT RADIAL STACKER, 36 IN. X 120 FT. | 50 HP E | 75,438 | 20.58 | 4.39 | 5.61 | 1.58 | 2.60 | 93 |
| | S30KB033 | 36-36150 | ADJUSTABLE HEIGHT RADIAL STACKER, 36 IN. X 150 FT. | 60 HP E | 88,175 | 23.95 | 5.11 | 6.52 | 1.85 | 3.12 | 110 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TELSMITH | | | | | | | | | |
| | S30TS001 | PTC 24IN X 50FT | PORTABLE TRUSS FRAME CONVEYOR, 24 IN WIDE BELT, 50 FT BELT LENGTH | 15 HP E | 23,937 | 6.96 | 1.35 | 1.70 | 0.50 | 0.78 | 10 |
| | S30TS002 | PTC 24IN X 70FT | PORTABLE TRUSS FRAME CONVEYOR, 24 IN WIDE BELT, 70 FT BELT LENGTH | 15 HP E | 30,206 | 8.25 | 1.70 | 2.14 | 0.63 | 0.78 | 13 |
| | S30TS003 | PTC 30IN X 50FT | PORTABLE TRUSS FRAME CONVEYOR, 30 IN WIDE BELT, 50 FT BELT LENGTH | 20 HP E | 25,204 | 7.92 | 1.41 | 1.76 | 0.53 | 1.04 | 12 |
| | S30TS004 | PTC 30IN X 70FT | PORTABLE TRUSS FRAME CONVEYOR, 30 IN WIDE BELT, 70 FT BELT LENGTH | 20 HP E | 31,564 | 9.24 | 1.76 | 2.19 | 0.66 | 1.04 | 17 |
| | S30TS005 | PTC 36IN X 50FT | PORTABLE TRUSS FRAME CONVEYOR, 36 IN WIDE BELT, 50 FT BELT LENGTH | 15 HP E | 27,069 | 7.77 | 1.49 | 1.83 | 0.57 | 0.78 | 19 |
| | S30TS006 | PTC 36IN X 70FT | PORTABLE TRUSS FRAME CONVEYOR, 36 IN WIDE BELT, 70 FT BELT LENGTH | 20 HP E | 33,592 | 10.05 | 1.83 | 2.23 | 0.71 | 1.04 | 26 |
| | S30TS007 | PTC 42IN X 50FT | PORTABLE TRUSS FRAME CONVEYOR, 42 IN WIDE BELT, 50 FT BELT LENGTH | 15 HP E | 29,807 | 8.35 | 1.63 | 2.00 | 0.63 | 0.78 | 25 |
| | S30TS008 | PTC 42IN X 70FT | PORTABLE TRUSS FRAME CONVEYOR, 42 IN WIDE BELT, 70 FT BELT LENGTH | 20 HP E | 36,239 | 10.92 | 1.86 | 2.20 | 0.76 | 1.04 | 25 |
| 0.20 | CRUSHERS | | | | | | | | | | |
| | | HEWITT-ROBINS | | | | | | | | | |
| | S30HW001 | MODEL 13654V | PORTABLE IMPACTOR PLANT, 36 IN. X 54 IN. SINGLE ROTOR IMPACT CRUSHER, ELECTRIC OPERATION | 250 HP E | 253,748 | 81.56 | 15.95 | 21.57 | 5.16 | 13.00 | 804 |
| | S30HW002 | MODEL 14866V | PORTABLE IMPACTOR PLANT, 48 IN. X 66 IN. SINGLE ROTOR IMPACT CRUSHER, ELECTRIC OPERATION | 350 HP E | 346,036 | 111.66 | 21.74 | 29.41 | 7.03 | 18.20 | 1,280 |
| | S30HW003 | MODEL 13654V | PORTABLE IMPACTOR PLANT, 36 IN. X 54 IN. SINGLE ROTOR IMPACT CRUSHER, DIESEL OPERATION | 350 HP D | 253,748 | 76.28 | 15.95 | 21.57 | 5.16 | 12.10 | 804 |
| | S30HW004 | MODEL 14866V | PORTABLE IMPACTOR PLANT, 48 IN. X 66 IN. SINGLE ROTOR IMPACT CRUSHER, DIESEL OPERATION | 490 HP D | 346,036 | 104.36 | 21.74 | 29.41 | 7.03 | 16.93 | 1,280 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | S30HW005 | MODEL J1524PP | PORTABLE PRIMARY JAW PLANT WITH 15 IN. X 24 IN. JAW CRUSHER, 2-1/2 FT. X 8 FT FEEDER, 2 FT. GRIZZLY, 24 IN. X 20 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION | 40 HP E | 130,269 | 35.07 | 8.19 | 11.07 | 2.65 | 2.08 | 86 |
| | S30HW006 | MODEL J1536V | PORTABLE PRIMARY JAW PLANT WITH 15 IN. X 36 IN. JAW CRUSHER, 3 FT. X 14 FT. FEEDER, 4 FT. GRIZZLY, 30 IN. X 31 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION | 100 HP E | 216,602 | 60.63 | 13.61 | 18.41 | 4.40 | 5.20 | 128 |
| | S30HW007 | MODEL J2036V | PORTABLE PRIMARY JAW PLANT WITH 20 IN. X 36 IN. JAW CRUSHER, 3 FT. X 14 FT. FEEDER, 4 FT. GRIZZLY, 30 IN. X 31 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION | 125 HP E | 235,199 | 67.38 | 14.78 | 19.99 | 4.78 | 6.50 | 128 |
| | S30HW008 | MODEL J2436V | PORTABLE PRIMARY JAW PLANT WITH 24 IN. X 36 IN. JAW CRUSHER, 3 FT. X 14 FT. FEEDER, 4 FT. GRIZZLY, 30 IN. X 31 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION | 125 HP E | 245,638 | 70.27 | 15.43 | 20.88 | 4.99 | 6.50 | 128 |
| | S30HW009 | MODEL J2142V | PORTABLE PRIMARY JAW PLANT WITH 21 IN. X 42 IN. JAW CRUSHER, 3-1/2 FT. X 16 FT. FEEDER, 4 FT. GRIZZLY, 36 IN. X 34 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION | 150 HP E | 255,069 | 74.92 | 16.02 | 21.68 | 5.18 | 7.80 | 152 |
| | S30HW010 | MODEL J3042V | PORTABLE PRIMARY JAW PLANT WITH 30 IN. X 42 IN. JAW CRUSHER, 3-1/2 FT. X 16 FT. FEEDER, 6 FT. GRIZZLY, 36 IN. X 41 FT. OR 55 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION | 200 HP E | 310,334 | 92.08 | 19.50 | 26.38 | 6.31 | 10.40 | 156 |
| | S30HW011 | MODEL J2248V | PORTABLE PRIMARY JAW PLANT WITH 22 IN. X 48 IN. JAW CRUSHER, 4 FT. X 16 FT. FEEDER, 4 FT. GRIZZLY, 48 IN. X 37 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION | 200 HP E | 304,516 | 90.49 | 19.13 | 25.88 | 6.19 | 10.40 | 168 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | S30HW012 | MODEL J3048V | PORTABLE PRIMARY JAW PLANT WITH 30 IN. X 48 IN. JAW CRUSHER, 4 FT. X 16 FT. FEEDER, 4 FT. GRIZZLY, 48 IN. X 37 FT. DISCHARGE CONVEYOR, ELECTRIC OPERATION | 200 HP E | 359,405 | 103.84 | 22.59 | 30.55 | 7.31 | 10.40 | 168 |
| | S30HW013 | MODEL H4832S | PORTABLE HAMMERMILL PLANT WITH 48 IN. X 32 IN. HAMMERMILL, 5 FT. X 16 FT. TRIPLE DECK SCREEN, 30 IN. X 11 FT. FEED CONVEYOR AND 36 IN. X 37 FT. FEED CONVEYOR, 36 IN. X 30 FT. END DISCHARGE CONVEYOR | 450 HP E | 307,807 | 113.84 | 19.34 | 26.16 | 6.26 | 23.40 | 600 |
| | | KOLBERG | | | | | | | | | |
| | S30KB034 | CS-1536 | PORTABLE JAW CRUSHER PLANT, 15 IN. X 36. IN. JAW CRUSHER, 36 IN. X 14 FT. VIBRATING FEEDER, 6 IN. X 4 FT. GRIZZLY, 36 IN. X 22 FT. END DELIVERY CONVEYOR | 75 HP E | 180,634 | 50.10 | 11.17 | 15.00 | 3.67 | 3.90 | 548 |
| | S30KB035 | CS-2036 | PORTABLE JAW CRUSHER PLANT, 20 IN. X 36. IN. JAW CRUSHER, 36 IN. X 14 FT. VIBRATING FEEDER, 6 IN. X 4 FT. GRIZZLY, 36 IN. X 22 FT. END DELIVERY CONVEYOR | 100 HP E | 187,087 | 54.07 | 11.58 | 15.55 | 3.80 | 5.20 | 590 |
| | S30KB036 | CS-2436 | PORTABLE JAW CRUSHER PLANT, 24 IN. X 36. IN. JAW CRUSHER, 36 IN. X 16 FT. VIBRATING FEEDER, 6 IN. X 4 FT. GRIZZLY, 36 IN. X 22 FT. END DELIVERY CONVEYOR | 100 HP E | 205,624 | 58.33 | 12.75 | 17.13 | 4.18 | 5.20 | 701 |
| | | TELSMITH | | | | | | | | | |
| | S30TS009 | 4246 | PRIMARY IMPACT CRUSHER, 600 TON/HR MAX CAPACITY | 300 HP E | 200,686 | 72.86 | 12.61 | 17.06 | 4.08 | 15.60 | 595 |
| | S30TS010 | 4856 | PRIMARY IMPACT CRUSHER, 1100 TON/HR MAX CAPACITY | 400 HP E | 291,345 | 102.59 | 18.30 | 24.76 | 5.92 | 20.80 | 942 |
| | S30TS011 | 6071 | PRIMARY IMPACT CRUSHER, 2100 TON/HR MAX CAPACITY, 2 EA 400 HP MOTOR | 800 HP E | 500,372 | 186.30 | 31.44 | 42.53 | 10.17 | 41.60 | 1,950 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | |
| | S30TS012 | 44S | GYRASPHERE CRUSHER FOR EXTRA COARSE THRU MEDIUM MATERIALS, 380 TON PER HOUR CAPACITY | 200 HP E | 144,158 | 51.45 | 9.06 | 12.25 | 2.93 | 10.40 | 312 |
| | S30TS013 | 44FC | GYRASPHERE CRUSHER FOR COARSE THRU FINE MATERIALS, 230 TON PER HOUR CAPACITY | 200 HP E | 146,609 | 52.01 | 9.21 | 12.46 | 2.98 | 10.40 | 312 |
| | S30TS014 | 52S | GYRASPHERE CRUSHER FOR EXTRA COARSE THRU MEDIUM MATERIALS, 440 TON PER HOUR CAPACITY | 250 HP E | 210,860 | 71.22 | 13.25 | 17.92 | 4.29 | 13.00 | 479 |
| | S30TS015 | 52FC | GYRASPHERE CRUSHER FOR COARSE THRU FINE MATERIALS, 260 TON PER HOUR CAPACITY | 250 HP E | 287,131 | 88.72 | 18.05 | 24.41 | 5.84 | 13.00 | 479 |
| | S30TS016 | 57S | GYRASPHERE CRUSHER FOR EXTRA COARSE THRU MEDIUM MATERIALS, 580 TON PER HOUR CAPACITY | 300 HP E | 289,520 | 93.74 | 18.20 | 24.61 | 5.89 | 15.60 | 660 |
| | S30TS017 | 57FC | GYRASPHERE CRUSHER FOR COARSE THRU FINE MATERIALS, 330 TON PER HOUR CAPACITY | 300 HP E | 295,666 | 95.14 | 18.58 | 25.13 | 6.01 | 15.60 | 660 |
| | S30TS018 | 84S | GYRASPHERE CRUSHER FOR EXTRA COARSE THRU MEDIUM MATERIALS, 1400 TON PER HOUR CAPACITY | 400 HP E | 502,389 | 152.01 | 31.56 | 42.70 | 10.21 | 20.80 | 165 |
| | S30TS019 | 84FC | GYRASPHERE CRUSHER FOR COARSE THRU FINE MATERIALS, 620 TON PER HOUR CAPACITY | 400 HP E | 511,935 | 154.20 | 32.17 | 43.51 | 10.41 | 20.80 | 165 |
| | S30TS020 | HSI 4230 | HORIZONTAL SHAPT IMPACTOR, 12 IN. MAX FEED SIZE, 120 TON/HR CAPACITY | 100 HP E | 75,478 | 27.76 | 4.74 | 6.42 | 1.53 | 5.20 | 193 |
| | S30TS021 | HSI 5242 | HORIZONTAL SHAPT IMPACTOR, 16 IN. MAX FEED SIZE, 170 TON/HR CAPACITY | 200 HP E | 112,573 | 44.71 | 7.08 | 9.57 | 2.29 | 10.40 | 293 |
| | S30TS022 | HSI 5263 | HORIZONTAL SHAPT IMPACTOR, 16 IN. MAX FEED SIZE, 320 TON/HR CAPACITY | 300 HP E | 174,972 | 67.95 | 11.00 | 14.87 | 3.56 | 15.60 | 480 |
| | S30TS023 | HSI 6263 | HORIZONTAL SHAPT IMPACTOR, 20 IN. MAX FEED SIZE, 440 TON/HR CAPACITY | 400 HP E | 226,842 | 88.79 | 14.25 | 19.28 | 4.61 | 20.80 | 615 |
| | S30TS024 | HSI 6284 | HORIZONTAL SHAPT IMPACTOR, 20 IN. MAX FEED SIZE, 660 TON/HR CAPACITY | 300 HP E | 285,787 | 93.38 | 17.96 | 24.29 | 5.81 | 15.60 | 830 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.30 | SCREENING PLANT | | | | | | | | | |
| | | HEWITT-ROBINS | | | | | | | | | |
| | S30HW014 | V-11 6X16FT, DD | PORTABLE SCREENING PLANT WITH 6 FT. X 16 FT., DOUBLE DECKS | 15 HP E | 94,341 | 21.59 | 5.76 | 7.55 | 1.98 | 0.78 | 101 |
| | S30HW015 | V-11 6X16FT, TD | PORTABLE SCREENING PLANT WITH 6 FT. X 16 FT., TRIPLE DECKS | 25 HP E | 105,068 | 24.83 | 6.42 | 8.41 | 2.21 | 1.30 | 138 |
| | S30HW016 | V-11 6X20FT, DD | PORTABLE SCREENING PLANT WITH 6 FT. X 20 FT., DOUBLE DECKS | 20 HP E | 99,214 | 23.06 | 6.05 | 7.94 | 2.08 | 1.04 | 115 |
| | S30HW017 | V-11 6X20FT, TD | PORTABLE SCREENING PLANT WITH 6 FT. X 20 FT., TRIPLE DECKS | 25 HP E | 107,342 | 25.33 | 6.55 | 8.59 | 2.25 | 1.30 | 167 |
| | S30HW018 | V-11 8X20FT, TD | PORTABLE SCREENING PLANT WITH 8 FT. X 20 FT., TRIPLE DECKS | 40 HP E | 128,116 | 30.84 | 7.82 | 10.25 | 2.69 | 2.08 | 243 |
| | | KOLBERG | | | | | | | | | |
| | S30KB037 | 25-2450 | MOBILE SCREENING PLANT, 24 IN. X 50 FT., TWO DECK, VARIABLE SPEED, 7 CY HOPPER AND FEEDER | 73 HP D | 65,873 | 18.69 | 3.94 | 5.11 | 1.38 | 2.52 | 266 |
| | S30KB038 | 25-3050 | MOBILE SCREENING PLANT, 30 IN. X 50 FT., TWO DECK, VARIABLE SPEED, 7 CY HOPPER AND FEEDER | 73 HP D | 70,368 | 19.63 | 4.19 | 5.42 | 1.48 | 2.52 | 205 |
| | S30KB039 | 26-2450 | MOBILE SCREENING PLANT, 24 IN. X 50 FT., TWO DECK, VARIABLE SPEED, 7 CY HOPPER AND FEEDER | 96 HP D | 78,946 | 22.64 | 4.73 | 6.13 | 1.66 | 3.32 | 290 |
| | S30KB040 | 26-3050 | MOBILE SCREENING PLANT, 30 IN. X 50 FT., TWO DECK, VARIABLE SPEED, 7 CY HOPPER AND FEEDER | 96 HP D | 84,068 | 23.68 | 5.02 | 6.52 | 1.76 | 3.32 | 309 |
| | | KOLMAN | | | | | | | | | |
| | S30KL001 | PB-212 | COLD FEED PLANT, 2 EA 12 FT. LONG, 9 FT. HIGH BINS | | 70,334 | 16.62 | 4.28 | 5.59 | 1.48 | 0.00 | 210 |
| | S30KL002 | PB-312 | COLD FEED PLANT, 3 EA 12 FT. LONG, 9 FT. HIGH BINS | | 88,167 | 20.68 | 5.35 | 6.99 | 1.85 | 0.00 | 263 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | S30KL003 | PB-412 | COLD FEED PLANT, 4 EA 12 FT. LONG, 9 FT. HIGH BINS | | 109,424 | 25.44 | 6.65 | 8.69 | 2.30 | 0.00 | 309 |
| | | READ SCREEN-ALL | | | | | | | | | |
| | S30RA001 | RD 25B | MOBILE SCREEN PLANT 40 CY/HR PROD | 24 HP D | 37,700 | 9.93 | 2.28 | 2.97 | 0.79 | 0.83 | 113 |
| | S30RA002 | RD 40B | MOBILE SCREEN PLANT 120 CY/HR PROD | 24 HP D | 53,064 | 13.00 | 3.21 | 4.20 | 1.11 | 0.83 | 130 |
| | S30RA003 | RD 90B | MOBILE SCREEN PLANT 200 CY/HR PROD | 36 HP D | 84,695 | 20.42 | 5.12 | 6.68 | 1.78 | 1.24 | 195 |
| | S30RA004 | RD 150B | MOBILE SCREEN PLANT 320 CY/HR PROD | 49 HP D | 105,205 | 25.36 | 6.37 | 8.32 | 2.21 | 1.69 | 241 |
| **S35** | **SNOW REMOVAL EQUIPMENT** | | | | | | | | | | |
| | | AMERICAN ROAD MACHINERY | | | | | | | | | |
| | S35AR001 | 112 | REVERSIBLE SNOW PLOW (ADD DUMP TRK) | | 2,619 | 0.65 | 0.19 | 0.26 | 0.06 | 0.00 | 15 |
| | S35AR002 | 713 | 1-WAY TRIP SNOW PLOW (ADD DUMP TRK) | | 4,224 | 1.03 | 0.30 | 0.42 | 0.09 | 0.00 | 20 |
| **S40** | **SOIL STABILIZERS** | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | S40CA001 | RR250 | 12" DEEP X 96" WIDE, HYDROSTATIC | 335 HP D | 206,536 | 58.79 | 12.54 | 16.40 | 4.34 | 11.90 | 393 |
| | S40CA002 | SS250 | 18" DEEP X 96" WIDE, HYDROSTATIC | 335 HP D | 188,509 | 55.53 | 11.33 | 14.73 | 3.96 | 11.90 | 265 |
| **S45** | **SPLITTERS, ROCK & CONCRETE** | | | | | | | | | | |
| | | DARDA | | | | | | | | | |
| | S45DA001 | 02-2 | 220 TON, S FORCE, SIZE 2,(ADD COMP) 1-3/16" DIA., 12" DEEP HOLE REQ'D | 80 CFM A | 10,337 | 4.85 | 0.92 | 1.38 | 0.23 | 0.00 | 2 |
| | S45DA002 | 02-7 | 220 TON, S FORCE, SIZE 7,(ADD COMP) 1-3/4" DIA., 18" DEEP HOLE REQ'D | 80 CFM A | 12,145 | 5.60 | 1.08 | 1.62 | 0.27 | 0.00 | 2 |
| | S45DA003 | 02-8S | 350 TON, S FORCE, SIZE 8,(ADD COMP) 1-3/4" DIA., 26" DEEP HOLE REQ'D | 80 CFM A | 12,490 | 5.83 | 1.12 | 1.67 | 0.28 | 0.00 | 2 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| **T10 TRACTOR BLADES & ATTACHMENTS** | | | | | | | | | | |
| | | | CATERPILLAR | | | | | | | |
| | T10CA001 | 3P | BLADE, POWER ANGLE TILT, FOR D3 | 10,169 | 2.11 | 0.62 | 0.81 | 0.21 | 0.00 | 24 |
| | T10CA002 | 53 | WINCH, (ADD CABLE), FOR D3 TRACTOR | 7,570 | 1.60 | 0.47 | 0.61 | 0.16 | 0.00 | 9 |
| | T10CA003 | 4S | BLADE, STRAIGHT,HYDRAULIC, FOR D4 | 12,460 | 2.58 | 0.76 | 1.00 | 0.26 | 0.00 | 34 |
| | T10CA004 | 4A | BLADE, ANGLE, HYDRAULIC, FOR D4 | 13,538 | 2.79 | 0.82 | 1.08 | 0.28 | 0.00 | 34 |
| | T10CA005 | 54 | WINCH, (ADD CABLE), FOR D4 TRACTOR | 23,178 | 4.73 | 1.42 | 1.85 | 0.49 | 0.00 | 20 |
| | T10CA006 | 5S | BLADE, STRAIGHT,HYDRAULIC, FOR D5 | 14,854 | 3.06 | 0.91 | 1.19 | 0.31 | 0.00 | 41 |
| | T10CA007 | 5A | BLADE, ANGLE, HYDRAULIC, FOR D5 | 15,115 | 3.12 | 0.93 | 1.21 | 0.32 | 0.00 | 42 |
| | T10CA008 | 55 | WINCH, (ADD CABLE), FOR D5 TRACTOR | 19,732 | 4.04 | 1.20 | 1.58 | 0.41 | 0.00 | 22 |
| | T10CA009 | 6S | BLADE, STRAIGHT,HYDRAULIC, FOR D6 | 19,862 | 4.07 | 1.22 | 1.59 | 0.42 | 0.00 | 52 |
| | T10CA010 | 6A | BLADE, ANGLE, HYDRAULIC, FOR D6 | 22,071 | 4.51 | 1.35 | 1.77 | 0.46 | 0.00 | 63 |
| | T10CA011 | 56 | WINCH, (ADD CABLE), FOR D6 TRACTOR | 25,171 | 5.13 | 1.54 | 2.01 | 0.53 | 0.00 | 32 |
| | T10CA012 | 7S | BLADE, STRAIGHT,HYDRAULIC, FOR D7 | 28,617 | 5.82 | 1.75 | 2.29 | 0.60 | 0.00 | 76 |
| | T10CA013 | 7U | BLADE, UNIVERSAL,HYDRAULIC, FOR D7 | 31,290 | 6.36 | 1.91 | 2.50 | 0.66 | 0.00 | 87 |
| | T10CA014 | 7A | BLADE, ANGLE, HYDRAULIC, FOR D7 | 29,766 | 6.04 | 1.81 | 2.38 | 0.62 | 0.00 | 80 |
| | T10CA015 | 57 | WINCH, (ADD CABLE), FOR D7 TRACTOR | 32,310 | 6.58 | 1.97 | 2.58 | 0.68 | 0.00 | 41 |
| | T10CA016 | 8S | BLADE, STRAIGHT,HYDRAULIC, FOR D8 | 38,296 | 7.79 | 2.33 | 3.06 | 0.80 | 0.00 | 135 |
| | T10CA017 | 8U | BLADE, UNIVERSAL,HYDRAULIC, FOR D8 | 40,491 | 8.25 | 2.47 | 3.24 | 0.85 | 0.00 | 136 |
| | T10CA018 | 8A | BLADE, ANGLE, HYDRAULIC, FOR D8 | 37,494 | 7.65 | 2.29 | 3.00 | 0.79 | 0.00 | 136 |
| | T10CA019 | | BLADE, PUSH PLATE FOR D8 | 1,281 | 0.31 | 0.08 | 0.10 | 0.03 | 0.00 | 6 |
| | T10CA020 | 57 | WINCH, (ADD CABLE), FOR D8 TRACTOR | 30,353 | 6.24 | 1.86 | 2.43 | 0.64 | 0.00 | 47 |
| | T10CA021 | 9SU | BLADE, SEMI-U, HYDRAULIC, FOR D9 | 51,240 | 10.47 | 3.13 | 4.10 | 1.08 | 0.00 | 155 |
| | T10CA022 | 9U | BLADE, UNIVERSAL,HYDRAULIC, FOR D9 | 53,148 | 10.85 | 3.25 | 4.25 | 1.12 | 0.00 | 153 |
| | T10CA023 | 59 | WINCH, (ADD CABLE), FOR D9 TRACTOR | 34,323 | 7.09 | 2.10 | 2.75 | 0.72 | 0.00 | 45 |
| | T10CA024 | 10SU | BLADE, SEMI-U, HYDRAULIC, FOR D10 | 70,495 | 14.42 | 4.30 | 5.64 | 1.48 | 0.00 | 231 |
| | T10CA025 | 10U | BLADE, UNIVERSAL,HYDRAULIC, FOR D10 | 75,625 | 15.46 | 4.62 | 6.05 | 1.59 | 0.00 | 251 |
| | T10CA026 | 11SU | BLADE, SEMI-U, HYDPAULIC, FOR D11 | 100,705 | 20.60 | 6.14 | 8.06 | 2.11 | 0.00 | 351 |
| | T10CA027 | 11U | BLADE, UNIVERSAL,HYDRAULIC, FOR D11 | 109,796 | 22.44 | 6.69 | 8.78 | 2.30 | 0.00 | 400 |
| | | | INTERNATIONAL/DRESSER | | | | | | | |
| | T10ID001 | 15D-2 | BLADE, SEMI-U, HYDRAULIC, FOR 15C | 16,611 | 3.38 | 1.02 | 1.33 | 0.35 | 0.00 | 45 |
| | T10ID002 | 15G-2 | BLADE, ANGLE, HYDRAULIC, FOR 15C | 18,799 | 3.81 | 1.14 | 1.50 | 0.39 | 0.00 | 48 |
| | T10ID003 | 20D-2 | BLADE, SEMI-U, HYDRAULIC, FOR 20G | 27,550 | 5.57 | 1.68 | 2.20 | 0.58 | 0.00 | 61 |
| | T10ID004 | 20G-2 | BLADE, ANGLE, HYDRAULIC, FOR 20G | 30,033 | 6.07 | 1.83 | 2.40 | 0.63 | 0.00 | 71 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | CWT |
| | T10ID005 | 25D-2 | BLADE, SEMI-U, HYDRAULIC, FOR 25G | 38,325 | 7.79 | 2.34 | 3.07 | 0.80 | 0.00 | 114 |
| | T10ID006 | 25G-2 | BLADE, ANGLE, HYDRAULIC, FOR 25G | 41,005 | 8.34 | 2.50 | 3.28 | 0.86 | 0.00 | 115 |
| | T10ID007 | 40D-2 | BLADE, SEMI-U, HYDRAULIC, FOR 40B | 41,055 | 8.31 | 2.50 | 3.28 | 0.86 | 0.00 | 192 |
| | T10ID008 | 40U-2 | BLADE, ANGLE, HYDRAULIC, FOR 40B | 46,018 | 9.36 | 2.81 | 3.68 | 0.97 | 0.00 | 210 |
| | | JOHN DEERE | | | | | | | | |
| | T10JD001 | 915 V-RIPPER | 5x7 V SHAPED DEEP TILLER (ADD UP TO 200 PTO HP TRACTOR) | 5,263 | 1.05 | 0.32 | 0.42 | 0.11 | 0.00 | 10 |
| | | KOMATSU | | | | | | | | |
| | T10KM001 | D31E-18 | BLADE, ANGLE TILT, FOR D31E-18 | 11,763 | 2.51 | 0.72 | 0.94 | 0.25 | 0.00 | 20 |
| | T10KM002 | D37E-2 | BLADE, ANGLE TILT, FOR D37E-2 | 12,087 | 2.57 | 0.74 | 0.97 | 0.25 | 0.00 | 24 |
| | T10KM003 | D58E-1 | BLADE, ANGLE TILT, FOR D58E-1 | 12,774 | 2.71 | 0.78 | 1.02 | 0.27 | 0.00 | 42 |
| | T10KM004 | D63E-1 | BLADE, ANGLE TILT, FOR D63E-1 | 14,515 | 3.06 | 0.88 | 1.16 | 0.30 | 0.00 | 61 |
| | T10KM005 | D68E-1 | BLADE, ANGLE TILT, FOR D68E-1 | 17,958 | 3.79 | 1.10 | 1.44 | 0.38 | 0.00 | 99 |
| | T10KM006 | D83E-1 | BLADE, ANGLE TILT, FOR D83E-1 | 25,256 | 5.25 | 1.54 | 2.02 | 0.53 | 0.00 | 99 |
| | T10KM007 | D83E-1 | BLADE, U-DOZER, FOR D83E-1 | 30,914 | 6.40 | 1.89 | 2.47 | 0.65 | 0.00 | 104 |
| | T10KM008 | D85E-21 | BLADE, ANGLE TILT, FOR D85E-21 | 30,126 | 6.29 | 1.84 | 2.41 | 0.63 | 0.00 | 85 |
| | T10KM009 | D85E-21 | BLADE, U-DOZER, FOR D85E-21 | 35,769 | 7.52 | 2.18 | 2.86 | 0.75 | 0.00 | 77 |
| | T10KM011 | D155A-2 | BLADE, U-DOZER, FOR D155A-2 | 46,692 | 9.77 | 2.85 | 3.74 | 0.98 | 0.00 | 142 |
| | T10KM012 | D355A-5 | BLADE, U-DOZER, FOR D355A-5 | 53,077 | 11.10 | 3.24 | 4.25 | 1.11 | 0.00 | 196 |
| | T10KM013 | D355A-5 | BLADE, STRAIGHT, FOR D355A-5 | 47,950 | 10.03 | 2.93 | 3.84 | 1.01 | 0.00 | 184 |
| | T10KM014 | D375A-2 | BLADE, U-DOZER, FOR D375A-1 | 62,732 | 13.23 | 3.83 | 5.02 | 1.32 | 0.00 | 229 |
| | T10KM015 | D375A-2 | BLADE, ANGLE TILT, FOR D375A-1 | 47,656 | 9.96 | 2.91 | 3.81 | 1.00 | 0.00 | 195 |
| | T10KM016 | D475A-2 | BLADE, STRAIGHT, FOR D475A-1 | 78,297 | 16.40 | 4.77 | 6.26 | 1.64 | 0.00 | 240 |
| | | LELY | | | | | | | | |
| | T10LE001 | 200-19 | ROTARY HOE, 80" WIDTH ROTERRA, (ADD 30 HP TRACTOR, PTO) | 5,631 | 1.13 | 0.35 | 0.45 | 0.12 | 0.00 | 12 |
| | T10LE002 | 250-19 | ROTARY HOE, 100" WIDTH ROTERRA, (ADD 40 HP TRACTOR, PTO) | 6,258 | 1.25 | 0.38 | 0.50 | 0.13 | 0.00 | 14 |
| | T10LE003 | 300-19 | ROTARY HOE, 120" WIDTH ROTERRA, (ADD 50 HP TRACTOR, PTO) | 7,020 | 1.41 | 0.43 | 0.56 | 0.15 | 0.00 | 16 |
| | T10LE004 | 350-33 | ROTARY HOE, 140" WIDTH ROTERRA, (ADD 170 HP TRACTOR, PTO) | 11,661 | 2.33 | 0.71 | 0.93 | 0.24 | 0.00 | 23 |

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | T10LE005 | 400-44 | ROTARY HOE, 160" WIDTH ROTERRA, (ADD 170 HP TRACTOR, PTO) | | 13,874 | 2.78 | 0.85 | 1.11 | 0.29 | 0.00 | 29 |
| **T15 TRACTORS, CRAWLER (DOZER) (add attachments as required) (Per Unit For Tandem Tractors)** | | | | | | | | | | | |
| | 0.01 | 0 THRU 225 HP | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | T15CA003 | D-3C | POWERSHIFT (ADD BLADE) | 67 HP D | 57,357 | 17.68 | 3.39 | 4.30 | 1.24 | 2.51 | 146 |
| | T15CA004 | D-4H II | POWERSHIFT (ADD BLADE) | 95 HP D | 73,527 | 23.14 | 4.35 | 5.51 | 1.59 | 3.56 | 187 |
| | T15CA005 | D-4H II LGP | LOW GROUND PRESSURE (ADD BLADE) | 90 HP D | 81,024 | 24.72 | 4.79 | 6.08 | 1.75 | 3.37 | 213 |
| | T15CA006 | D-5H II | POWERSHIFT (ADD BLADE) | 120 HP D | 114,501 | 34.56 | 6.78 | 8.59 | 2.48 | 4.49 | 235 |
| | T15CA007 | D-5H II LGP | LOW GROUND PRESSURE (ADD BLADE) | 125 HP D | 130,418 | 38.73 | 7.71 | 9.78 | 2.82 | 4.68 | 283 |
| | T15CA008 | D-6D | POWERSHIFT (ADD BLADE) | 140 HP D | 126,757 | 38.64 | 7.50 | 9.51 | 2.74 | 5.24 | 288 |
| | T15CA009 | D-6D SA | SPECIAL APPLICATION (ADD BLADE) | 165 HP D | 144,482 | 44.34 | 8.55 | 10.84 | 3.13 | 6.18 | 302 |
| | T15CA010 | D-6H II | POWERSHIFT (ADD BLADE) | 165 HP D | 144,280 | 44.28 | 8.53 | 10.82 | 3.12 | 6.18 | 324 |
| | T15CA011 | D-6H II LGP | LOW GROUND PRESSURE (ADD BLADE) | 165 HP D | 166,742 | 49.81 | 9.87 | 12.51 | 3.61 | 6.18 | 372 |
| | T15CA012 | D-7G | POWERSHIFT (ADD BLADE) | 200 HP D | 203,422 | 60.69 | 12.03 | 15.26 | 4.40 | 7.49 | 384 |
| | T15CA013 | D-7H II | POWERSHIFT (ADD BLADE) | 215 HP D | 233,885 | 68.98 | 13.83 | 17.54 | 5.06 | 8.05 | 462 |
| | T15CA014 | D-7H II LGP | LOW GROUND PRESSURE (ADD BLADE) | 215 HP D | 266,624 | 77.04 | 15.77 | 20.00 | 5.77 | 8.05 | 508 |
| | | CASE | | | | | | | | | |
| | T15CS001 | 450C | WITH POWER ANGLE TILT BLADE,PS | 63 HP D | 52,737 | 16.33 | 3.12 | 3.96 | 1.14 | 2.36 | 114 |
| | T15CS002 | 850D | WITH HYDR ANGLE TILT BLADE, PS/TC | 82 HP D | 73,228 | 22.38 | 4.34 | 5.49 | 1.59 | 3.07 | 192 |
| | T15CS003 | 850D LGP | WITH HYDR ANGLE TILT BLADE, PS/TC | 82 HP D | 76,467 | 23.18 | 4.53 | 5.74 | 1.66 | 3.07 | 192 |
| | | FIATALLIS | | | | | | | | | |
| | T15FI001 | FD5 | WITH POWER ANGLE TILT BLADE, PS | 70 HP D | 61,918 | 18.95 | 3.66 | 4.64 | 1.34 | 2.62 | 140 |
| | T15FI002 | FD7 | WITH POWER ANGLE TILT BLADE, PS | 84 HP D | 74,589 | 22.80 | 4.41 | 5.59 | 1.61 | 3.14 | 171 |
| | T15FI003 | FD9 | WITH SEMI-U TILT BLADE, POWERSHIFT | 107 HP D | 107,581 | 32.17 | 6.37 | 8.07 | 2.33 | 4.01 | 237 |
| | T15FI004 | 10C | WITH HYDRAULIC SEMI-U TILT BLADE,PS | 122 HP D | 119,334 | 35.85 | 7.06 | 8.95 | 2.58 | 4.57 | 279 |
| | T15FI008 | FD20 | WITH HYDRAULIC SEMI-U TILT BLADE,PS | 225 HP D | 264,245 | 77.10 | 15.63 | 19.82 | 5.72 | 8.50 | 533 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | INTERNATIONAL/DRESSER | | | | | | | | | |
| | T15ID001 | TD-7-G | WITH HYDRAULIC BLADE, POWERSHIFT | 70 HP D | 61,026 | 18.74 | 3.61 | 4.58 | 1.32 | 2.62 | 140 |
| | T15ID002 | TD-8-G | WITH HYDRAULIC BLADE, POWERSHIFT | 80 HP D | 78,607 | 23.60 | 4.65 | 5.90 | 1.70 | 3.00 | 180 |
| | T15ID003 | TD-12 | WITH HYDRAULIC BLADE, POWERSHIFT | 110 HP D | 110,050 | 32.92 | 6.51 | 8.25 | 2.38 | 4.12 | 281 |
| | T15ID004 | TD-15-C | POWERSHIFT (ADD BLADE) | 140 HP D | 133,937 | 40.41 | 7.93 | 10.05 | 2.90 | 5.24 | 315 |
| | T15ID005 | TD-20-G | POWERSHIFT (ADD BLADE) | 225 HP D | 224,473 | 67.21 | 13.28 | 16.84 | 4.86 | 8.42 | 493 |
| | | JOHN DEERE | | | | | | | | | |
| | T15JD001 | 400G | WITH POWER ANGLE TILT BLADE | 60 HP D | 49,275 | 15.33 | 2.92 | 3.70 | 1.07 | 2.25 | 114 |
| | T15JD002 | 450G | WITH 6405 HYDRAULIC BLADE, PS | 70 HP D | 55,314 | 17.33 | 3.28 | 4.15 | 1.20 | 2.62 | 153 |
| | T15JD003 | 550G | WITH 6405 HYDRAULIC BLADE, PS | 80 HP D | 63,786 | 19.95 | 3.77 | 4.78 | 1.38 | 3.00 | 167 |
| | T15JD004 | 650G | WITH 6405 HYDRAULIC BLADE, PS | 90 HP D | 71,707 | 22.43 | 4.24 | 5.38 | 1.55 | 3.37 | 188 |
| | T15JD005 | 750B | WITH 6525 STRAIGHT W/TILT BLADE | 120 HP D | 105,924 | 32.44 | 6.26 | 7.94 | 2.29 | 4.49 | 291 |
| | T15JD006 | 750B LGP | WITH 6525 HYDRAULIC TILT BLADE | 120 HP D | 108,487 | 33.08 | 6.42 | 8.14 | 2.35 | 4.49 | 313 |
| | T15JD007 | 850B | WITH 6545 HYDRAULIC TILT BLADE | 165 HP D | 140,012 | 43.23 | 8.28 | 10.50 | 3.03 | 6.18 | 367 |
| | T15JD008 | 850B LGP | WITH HYDRAULIC TILT BLADE | 165 HP D | 165,383 | 49.47 | 9.78 | 12.40 | 3.58 | 6.18 | 435 |
| | | KOMATSU | | | | | | | | | |
| | T15KM001 | D31E-18 | HYDROSHIFT, (ADD BLADE) | 70 HP D | 59,536 | 18.37 | 3.53 | 4.47 | 1.29 | 2.62 | 123 |
| | T15KM002 | D37E-2 | HYDROSHIFT, (ADD BLADE) | 75 HP D | 66,299 | 20.31 | 3.93 | 4.97 | 1.44 | 2.81 | 127 |
| | T15KM003 | D58E-1 | HYDROSHIFT, (ADD BLADE) | 130 HP D | 121,017 | 36.70 | 7.16 | 9.08 | 2.62 | 4.87 | 298 |
| | T15KM004 | D63E-1 | POWERSHIFT, (ADD BLADE) | 140 HP D | 153,703 | 45.27 | 9.10 | 11.53 | 3.33 | 5.24 | 316 |
| | T15KM005 | D68E-1 | POWERSHIFT, (ADD BLADE) | 180 HP D | 176,246 | 52.95 | 10.43 | 13.22 | 3.82 | 6.74 | 412 |
| | T15KM006 | D83E-1 | POWERSHIFT, (ADD BLADE) | 205 HP D | 237,991 | 69.47 | 14.08 | 17.85 | 5.15 | 7.68 | 360 |
| | T15KM007 | D85E-21 | POWERSHIFT, (ADD BLADE) | 225 HP D | 257,989 | 75.45 | 15.27 | 19.35 | 5.59 | 8.42 | 445 |
| 0.02 | 226 HP THRU 425 HP | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | T15CA015 | D-8L | POWERSHIFT (ADD BLADE) | 335 HP D | 320,746 | 88.97 | 19.56 | 25.66 | 6.73 | 12.54 | 735 |
| | T15CA016 | D-8N | POWERSHIFT (ADD BLADE) | 285 HP D | 283,226 | 78.03 | 17.27 | 22.66 | 5.94 | 10.67 | 597 |
| | T15CA017 | D-9N | POWERSHIFT (ADD BLADE) | 370 HP D | 365,078 | 100.71 | 22.27 | 29.21 | 7.66 | 13.85 | 817 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | FIATALLIS | | | | | | | | | |
| | T15FI010 | FD30B | WITH SEMI-U BLADE, POWERSHIFT | 340 HP D | 339,300 | 93.40 | 20.69 | 27.14 | 7.12 | 12.73 | 698 |
| | | INTERNATIONAL/DRESSER | | | | | | | | | |
| | T15ID006 | TD-25-G | POWERSHIFT (ADD BLADE) | 320 HP D | 296,591 | 82.79 | 18.10 | 23.73 | 6.23 | 11.98 | 726 |
| | | KOMATSU | | | | | | | | | |
| | T15KM008 | D155A-2 | POWERSHIFT, (ADD BLADE) | 320 HP D | 326,875 | 89.61 | 19.94 | 26.15 | 6.86 | 11.98 | 658 |
| | T15KM009 | D355A-5 | POWERSHIFT, (ADD BLADE) | 404 HP D | 435,721 | 118.35 | 26.58 | 34.86 | 9.15 | 15.13 | 1,059 |
| 0.03 | OVER 425 HP | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | T15CA018 | D-10N | POWERSHIFT (ADD BLADE) | 520 HP D | 490,725 | 125.47 | 27.17 | 34.76 | 9.79 | 19.47 | 1,038 |
| | T15CA019 | D-11N | POWERSHIFT (ADD BLADE) | 770 HP D | 850,169 | 211.10 | 47.07 | 60.22 | 16.96 | 28.83 | 1,636 |
| | | FIATALLIS | | | | | | | | | |
| | T15FI012 | FD40B | WITH HYDR SEMI-U BLADE, POWERSHIFT | 475 HP D | 478,308 | 120.76 | 26.48 | 33.88 | 9.54 | 17.78 | 1,153 |
| | T15FI013 | FD50 | WITH HYDR SEMI-U BLADE, POWERSHIFT | 525 HP D | 582,103 | 144.43 | 32.23 | 41.23 | 11.61 | 19.66 | 1,291 |
| | | INTERNATIONAL/DRESSER | | | | | | | | | |
| | T15ID008 | TD-40B | POWERSHIFT (ADD BLADE) | 520 HP D | 465,909 | 120.38 | 25.79 | 33.00 | 9.29 | 19.47 | 1,229 |
| | | KOMATSU | | | | | | | | | |
| | T15KM010 | D375A-2 | POWERSHIFT, (ADD BLADE) | 525 HP D | 544,570 | 136.74 | 30.15 | 38.57 | 10.86 | 19.66 | 1,234 |
| | T15KM011 | D475A-2 | POWERSHIFT, (ADD BLADE) | 770 HP D | 910,347 | 223.43 | 50.40 | 64.48 | 18.16 | 28.83 | 1,745 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **T20 TRACTORS, WHEEL TYPE (DOZER)** | | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | T20CA001 | 814-B | WITH STRAIGHT BLADE,ARTICULATED,PS | 210 HP D | 230,922 | 53.14 | 14.11 | 18.83 | 4.69 | 7.26 | 465 |
| | T20CA002 | 824-C | WITH STRAIGHT BLADE,ARTICULATED,PS | 310 HP D | 328,358 | 78.85 | 19.59 | 25.83 | 6.67 | 10.71 | 624 |
| | T20CA003 | 834-B | WITH STRAIGHT BLADE,ARTICULATED,PS | 450 HP D | 489,414 | 113.44 | 29.01 | 38.11 | 9.95 | 15.55 | 894 |
| | | MICHIGAN / VME | | | | | | | | | |
| | T20MC001 | 280C | WITH STRAIGHT BLADE, ATRICULATED,PS | 335 HP D | 366,570 | 85.19 | 21.91 | 28.91 | 7.45 | 11.58 | 634 |
| | T20MC002 | W380 | WITH STRAIGHT BLADE, ATRICULATED,PS | 572 HP D | 665,889 | 152.93 | 37.58 | 48.07 | 13.54 | 19.77 | 1,233 |
| **T25 TRACTORS, WHEEL TYPE (FARM)** | | | | | | | | | | | |
| | | JOHN DEERE | | | | | | | | | |
| | T25JD001 | 2155 | INDUSTRIAL 2WD (NO ATTACHMENTS) | 53 HP D | 18,529 | 6.99 | 1.29 | 1.80 | 0.39 | 1.83 | 49 |
| | T25JD002 | 2355 | INDUSTRIAL 2WD (NO ATTACHMENTS) | 64 HP D | 20,138 | 7.85 | 1.42 | 1.99 | 0.42 | 2.21 | 58 |
| | T25JD003 | 2555 | INDUSTRIAL 2WD (NO ATTACHMENTS) | 72 HP D | 22,630 | 8.81 | 1.60 | 2.26 | 0.47 | 2.49 | 59 |
| | T25JD004 | 2755 | INDUSTRIAL 2WD (NO ATTACHMENTS) | 87 HP D | 25,135 | 10.06 | 1.81 | 2.55 | 0.53 | 3.01 | 60 |
| **T30 TRENCHERS, CHAIN** | | | | | | | | | | | |
| | | DITCH WITCH | | | | | | | | | |
| | T30DW001 | C99 | 24" DEEP X 6" WIDE, WALK-BEHIND | 9 HP G | 3,659 | 2.17 | 0.25 | 0.34 | 0.08 | 0.92 | 6 |
| | T30DW002 | 2020 | 35" DEEP X 8" WIDE, 4WD, W/BLADE | 20 HP G | 14,781 | 6.55 | 1.05 | 1.45 | 0.32 | 2.05 | 30 |
| | T30DW003 | 3210 | 36" DEEP X 6" WIDE, 4WD,W/DBL PIVOT | 28 HP G | 32,127 | 12.13 | 2.28 | 3.17 | 0.69 | 2.87 | 39 |
| | T30DW004 | 2310 | 39" DEEP X 5" WIDE, 4WD, W/BLADE | 30 HP G | 18,702 | 8.94 | 1.32 | 1.83 | 0.40 | 3.08 | 36 |
| | T30DW005 | 3500 | 63" DEEP X 12"WIDE, 4WD,W/DBL PIVOT | 43 HP D | 25,873 | 8.69 | 1.84 | 2.55 | 0.56 | 1.49 | 42 |
| | T30DW006 | 5010 | 48" DEEP X 6" WIDE, 4WD,W/DBL PIVOT | 58 HP D | 40,491 | 13.18 | 2.83 | 3.91 | 0.87 | 2.00 | 47 |
| | T30DW007 | 6510 | 47" DEEP X 6" WIDE, 4WD,W/DBL PIVOT | 64 HP D | 43,067 | 14.13 | 3.02 | 4.17 | 0.93 | 2.21 | 55 |
| | T30DW008 | 6510 | 48" DEEP X 8" WIDE, 4WD, W/BLADE | 64 HP D | 50,957 | 16.17 | 3.58 | 4.96 | 1.10 | 2.21 | 106 |
| | T30DW009 | 7510 | 60" DEEP X 8" WIDE, 4WD,W/DBL PIVOT | 74 HP D | 54,401 | 17.52 | 3.82 | 5.30 | 1.17 | 2.56 | 55 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | VERMEER | | | | | | | | | |
| | T30VE001 | V-1550 | 48" DEEP X 4-10" WIDE,WALK-BEHIND | 18 HP G | 7,755 | 4.47 | 0.56 | 0.78 | 0.17 | 1.85 | 15 |
| | T30VE002 | LM-35 | 42" DEEP X 3.5-5" WIDE,PLOW TRENCHR | 35 HP D | 25,768 | 8.28 | 1.78 | 2.46 | 0.55 | 1.21 | 40 |
| | T30VE003 | V-450 | 60" DEEP X 6-18" WIDE,BACKHOE/BLADE | 54 HP D | 44,083 | 13.89 | 3.09 | 4.27 | 0.95 | 1.87 | 76 |
| | T30VE004 | M-455A | 60" DEEP X 8-18" WIDE,BACKHOE/BLADE | 53 HP D | 50,219 | 15.43 | 3.52 | 4.88 | 1.08 | 1.83 | 82 |
| | T30VE005 | T-600D | 72" DEEP X 10-24" WIDE,CRAWLER | 113 HP D | 97,336 | 30.39 | 6.97 | 9.73 | 2.10 | 3.91 | 193 |
| | T30VE006 | T-800C | 96" DEEP X 12-36" WIDE,CRAWLER | 175 HP D | 134,879 | 55.90 | 13.23 | 18.49 | 3.98 | 6.05 | 423 |
| **T35 TRENCHERS, WHEEL TYPE** | | | | | | | | | | | |
| | | BARBER-GREENE | | | | | | | | | |
| | T35BG001 | TA 56 | 70" DEEP X 16-30" WIDE,CRAWLER | 100 HP D | 160,416 | 38.42 | 9.79 | 12.83 | 3.37 | 3.46 | 254 |
| | T35BG002 | TA 65 | 90" DEEP X 22-44" WIDE,CRAWLER | 160 HP D | 241,999 | 58.38 | 14.76 | 19.36 | 5.08 | 5.53 | 416 |
| | T35BG003 | TA 77 | 102" DEEP X 26-66" WIDE,CRAWLER | 160 HP D | 319,722 | 74.77 | 19.50 | 25.58 | 6.71 | 5.53 | 600 |
| | | CLEVELAND TRENCHER | | | | | | | | | |
| | T35CT002 | 9600-S | 72" DP X 24" W, 12"ROUND BKT,CRWLR | 140 HP D | 255,820 | 60.38 | 15.61 | 20.47 | 5.37 | 4.84 | 229 |
| | T35CT003 | 246-FD | 84" DP X 24" W,16"ROUND BKT,CRAWLER | 185 HP D | 287,244 | 69.06 | 17.52 | 22.98 | 6.03 | 6.39 | 320 |
| | T35CT004 | 7036-HD | 84" DP X 36" W, 16"ROUND BKT,CRWLR | 102 HP D | 270,783 | 61.78 | 16.51 | 21.66 | 5.68 | 3.53 | 286 |
| | T35CT007 | 7036-SD | 84" DP X 36" W, 16"ROUND BKT,CRWLR | 102 HP D | 283,446 | 64.46 | 17.29 | 22.68 | 5.95 | 3.53 | 340 |
| | T35CT009 | 7648-SD | 90" DP X 48" W,22"ROUND BKT,CRAWLER | 150 HP D | 432,968 | 98.19 | 26.41 | 34.64 | 9.09 | 5.18 | 455 |
| | T35CT011 | 400W-HD | 108" DP X 72" W,28"ROUND BKT,CRWLR | 175 HP D | 513,731 | 116.37 | 31.33 | 41.10 | 10.78 | 6.05 | 672 |
| **T40 TRUCK OPTIONS, (ADD TRUCK)** | | | | | | | | | | | |
| | 0.10 | CRANES, HYDRAULIC | | | | | | | | | |
| | | NO SPECIFIC MANUFACTURER | | | | | | | | | |
| | T40XX001 | | MAX CAP. 5.3 TON, MAX. BOOM 48' | | 32,491 | 8.18 | 2.33 | 3.25 | 0.70 | 0.00 | 39 |
| | T40XX002 | | MAX CAP. 7.3 TON, MAX. BOOM 63' | | 51,523 | 12.91 | 3.69 | 5.15 | 1.11 | 0.00 | 94 |
| | T40XX003 | | MAX CAP. 8.0 TON, MAX. BOOM 85' | | 54,031 | 13.52 | 3.86 | 5.40 | 1.16 | 0.00 | 109 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|
| | T40XX004 | | MAX CAP. 14.0 TON, MAX. BOOM 118' | 60,994 | 15.28 | 4.36 | 6.10 | 1.31 | 0.00 | 143 |
| | T40XX005 | | MAX CAP. 16.5 TON, MAX. BOOM 118' | 73,016 | 18.28 | 5.22 | 7.30 | 1.57 | 0.00 | 143 |
| | T40XX006 | | MAX CAP. 17.5 TON, MAX. BOOM 140' | 86,307 | 21.60 | 6.18 | 8.63 | 1.86 | 0.00 | 193 |
| | 0.20 DUMP BODY, REAR | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | |
| | T40XX007 | | 5 CY, 24000 TO 26000 GVW | 7,784 | 1.89 | 0.56 | 0.78 | 0.17 | 0.00 | 26 |
| | T40XX008 | | 8 CY, 27000 TO 30000 GVW, AIR GATE | 12,355 | 2.94 | 0.89 | 1.24 | 0.27 | 0.00 | 44 |
| | T40XX009 | | 10 CY, 36000 AND UP GVW, AIR GATE | 12,503 | 2.97 | 0.90 | 1.25 | 0.27 | 0.00 | 45 |
| | T40XX010 | | 12 CY, 36000 AND UP GVW, AIR GATE | 12,687 | 3.01 | 0.91 | 1.27 | 0.27 | 0.00 | 46 |
| | 0.30 FLATBEDS, W/ CONT. SIDES | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | |
| | T40XX011 | | 8' x 8.0' | 2,551 | 0.55 | 0.18 | 0.26 | 0.05 | 0.00 | 11 |
| | T40XX012 | | 8' x 9.0' | 2,645 | 0.57 | 0.19 | 0.26 | 0.06 | 0.00 | 12 |
| | T40XX013 | | 8' x 10.0' | 2,782 | 0.60 | 0.20 | 0.28 | 0.06 | 0.00 | 14 |
| | T40XX014 | | 8' x 12.0' | 3,007 | 0.64 | 0.21 | 0.30 | 0.06 | 0.00 | 16 |
| | T40XX015 | | 8' x 14.0' | 3,239 | 0.69 | 0.23 | 0.32 | 0.07 | 0.00 | 16 |
| | T40XX016 | | 8' x 16.0' | 3,552 | 0.77 | 0.26 | 0.36 | 0.08 | 0.00 | 16 |
| | T40XX017 | | 8' x 18.0' | 3,840 | 0.82 | 0.27 | 0.38 | 0.08 | 0.00 | 17 |
| | T40XX018 | | 8' x 20.0' | 4,085 | 0.88 | 0.30 | 0.41 | 0.09 | 0.00 | 18 |
| | T40XX019 | | 8' x 22.0' | 4,355 | 0.94 | 0.31 | 0.44 | 0.09 | 0.00 | 18 |
| | T40XX020 | | 8' x 24.0' | 4,648 | 0.99 | 0.33 | 0.46 | 0.10 | 0.00 | 20 |
| | T40XX021 | | 2 TON, FLATBED HOIST | 4,078 | 0.88 | 0.30 | 0.41 | 0.09 | 0.00 | 15 |
| | T40XX022 | | 4 TON, FLATBED HOIST | 4,777 | 1.02 | 0.34 | 0.48 | 0.10 | 0.00 | 18 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|
| | 0.40 HOIST | | | | | | | | | |
| | 0.41 ELECTRIC DRIVE | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | |
| | T40XX023 | | 1500 LB AT 1.75' | 2,875 | 0.75 | 0.21 | 0.29 | 0.06 | 0.00 | 4 |
| | T40XX024 | | 2400 LB AT 3' | 3,365 | 0.87 | 0.24 | 0.34 | 0.07 | 0.00 | 6 |
| | T40XX025 | | 5000 LB AT 4' | 9,268 | 2.23 | 0.67 | 0.93 | 0.20 | 0.00 | 15 |
| | T40XX026 | | 6000 LB AT 6' | 10,405 | 2.48 | 0.74 | 1.04 | 0.22 | 0.00 | 14 |
| | 0.50 TRANSIT MIXERS | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | |
| | T40XX027 | | 7 CY (ADD 40000-50000 GVW TRUCK) | 32,854 | 7.88 | 2.44 | 3.49 | 0.69 | 0.00 | 63 |
| | T40XX028 | | 8 CY (ADD 50000-70000 GVW TRUCK) | 33,396 | 8.01 | 2.48 | 3.55 | 0.70 | 0.00 | 66 |
| | T40XX029 | | 8.5 CY (ADD 55000-75000 GVW TRUCK) | 33,764 | 8.10 | 2.51 | 3.59 | 0.71 | 0.00 | 68 |
| | T40XX030 | | 9 CY (ADD 61000-80000 GVW TRUCK) | 34,320 | 8.23 | 2.55 | 3.65 | 0.72 | 0.00 | 73 |
| | 0.60 WATER TANKS | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | |
| | T40XX031 | | 2000 GAL (ADD 23500-28000 GVW TRK) | 14,756 | 3.17 | 1.06 | 1.48 | 0.32 | 0.00 | 35 |
| | T40XX032 | | 2500 GAL (ADD 25000-34950 GVW TRK) | 15,581 | 3.35 | 1.12 | 1.56 | 0.34 | 0.00 | 39 |
| | T40XX033 | | 3000 GAL (ADD 29000-40000 GVW TRK) | 16,605 | 3.57 | 1.19 | 1.66 | 0.36 | 0.00 | 44 |
| | 0.70 ALL OTHER OPTIONS | | | | | | | | | |
| | | | WALKER MFG. | | | | | | | |
| | T40WL001 | 8-13000 | GUILLOTINE CONCRETE BREAKER 140 HP D<br>8'-3" WIDE, 10' HIGH, 15'6" LONG<br>ADD 46,000 GVW TRUCK + FLATBED | 98,805 | 29.39 | 7.07 | 9.88 | 2.13 | 4.84 | 275 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|
| **T45** | **TRUCK TRAILERS** | | | | | | | | | |
| 0.10 | BOTTOM DUMP | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | |
| | T45XX001 | | 18 CY, 27 TON | 33,166 | 6.77 | 1.96 | 2.58 | 0.67 | 0.00 | 122 |
| | T45XX002 | | 20 CY, 30 TON | 39,263 | 7.95 | 2.35 | 3.10 | 0.80 | 0.00 | 140 |
| | T45XX003 | | 30 CY, 30 TON | 39,958 | 8.08 | 2.39 | 3.16 | 0.81 | 0.00 | 160 |
| | T45XX004 | | 28 CY, 42 TON | 47,438 | 9.63 | 2.81 | 3.69 | 0.96 | 0.00 | 180 |
| | T45XX005 | | 20 CY, 35 TON OFF-HIGHWAY | 55,359 | 10.99 | 3.39 | 4.51 | 1.13 | 0.00 | 175 |
| | T45XX006 | | 32 CY, 55 TON OFF-HIGHWAY | 115,464 | 24.03 | 6.58 | 8.46 | 2.35 | 0.00 | 365 |
| | T45XX007 | | 43 CY, 70 TON OFF-HIGHWAY | 139,358 | 28.61 | 8.08 | 10.49 | 2.83 | 0.00 | 445 |
| 0.20 | END DUMP | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | |
| | T45XX008 | | 20 CY, 24 TON | 43,736 | 8.55 | 2.63 | 3.48 | 0.89 | 0.00 | 146 |
| 0.30 | PUP TRAILER | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | |
| | T45XX009 | | 8 CY, LONG TONGUE | 25,961 | 6.06 | 1.77 | 2.46 | 0.54 | 0.00 | 86 |
| | T45XX010 | | 10 CY, LONG TONGUE | 26,149 | 6.10 | 1.79 | 2.48 | 0.55 | 0.00 | 86 |
| 0.40 | LOWBOY (EQUIPMENT HAULING) | | | | | | | | | |
| 0.41 | RIGID NECK, DROP DECK | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | |
| | T45XX011 | | 25 TON, 2 AXLE | 25,755 | 4.39 | 1.37 | 1.59 | 0.57 | 0.00 | 89 |
| | T45XX012 | | 30 TON, 2 AXLE | 28,712 | 4.88 | 1.53 | 1.78 | 0.64 | 0.00 | 94 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | T45XX013 | | 35 TON, 2 AXLE | | 31,432 | 5.30 | 1.68 | 1.96 | 0.70 | 0.00 | 109 |
| | T45XX014 | | 35 TON, 3 AXLE | | 36,328 | 6.23 | 1.92 | 2.22 | 0.81 | 0.00 | 134 |
| | T45XX015 | | 40 TON, 3 AXLE | | 37,985 | 6.52 | 2.01 | 2.31 | 0.85 | 0.00 | 144 |
| | T45XX016 | | 50 TON, 3 AXLE | | 43,643 | 7.42 | 2.32 | 2.70 | 0.97 | 0.00 | 161 |
| | T45XX017 | | 60 TON, 3 AXLE | | 47,383 | 8.19 | 2.48 | 2.83 | 1.06 | 0.00 | 188 |
| | T45XX018 | | 70 TON, 3 AXLE | | 57,299 | 9.73 | 3.05 | 3.53 | 1.28 | 0.00 | 213 |
| | T45XX019 | | 75 TON, 3 AXLE | | 59,212 | 10.02 | 3.15 | 3.66 | 1.32 | 0.00 | 228 |
| | T45XX020 | | 80 TON, 4 AXLE | | 67,267 | 11.28 | 3.62 | 4.23 | 1.50 | 0.00 | 266 |
| | T45XX021 | | 90 TON, 4 AXLE | | 72,647 | 12.27 | 3.87 | 4.50 | 1.62 | 0.00 | 297 |
| | T45XX022 | | 100 TON, 4 AXLE | | 80,264 | 13.56 | 4.28 | 4.97 | 1.79 | 0.00 | 313 |
| | T45XX023 | | 120 TON, 4 AXLE | | 93,087 | 15.95 | 4.88 | 5.59 | 2.08 | 0.00 | 351 |
| | T45XX024 | | HELPER DOLLY (60 TON TRAILER MAX) | | 22,058 | 3.86 | 1.15 | 1.31 | 0.49 | 0.00 | 62 |
| | 0.50 PLATFORM TRAILER | | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | | |
| | T45XX025 | | 25 TON, 2 AXLE | | 21,688 | 3.80 | 1.12 | 1.28 | 0.48 | 0.00 | 110 |
| | 0.60 TILT TRAILER | | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | | |
| | T45XX026 | | 12 TON, 2 AXLE | | 14,082 | 2.47 | 0.74 | 0.85 | 0.31 | 0.00 | 62 |
| | T45XX027 | | 16 TON, 2 AXLE | | 16,037 | 2.88 | 0.82 | 0.92 | 0.36 | 0.00 | 65 |
| | T45XX028 | | 20 TON, 2 AXLE | | 17,385 | 3.12 | 0.89 | 1.00 | 0.39 | 0.00 | 67 |
| | 0.70 WATER TANKER TRAILER | | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | | |
| | T45XX029 | | 4000 GAL | 63 HP D | 39,376 | 9.53 | 2.20 | 2.64 | 0.88 | 2.18 | 120 |
| | T45XX030 | | 5000 GAL | 63 HP D | 41,972 | 10.13 | 2.29 | 2.70 | 0.94 | 2.18 | 150 |
| | T45XX031 | | 6000 GAL | 63 HP D | 43,893 | 10.44 | 2.40 | 2.83 | 0.98 | 2.18 | 160 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.80 DECONTAMINATION FACILITY | | | | | | | | | | |
| | | | HAZCO | | | | | | | | |
| | T45HA001 | | 24 FOOT, 4 SHOWER UNIT | | 25,773 | 6.18 | 1.69 | 2.19 | 0.59 | 0.00 | 35 |
| | T45HA002 | | 30 FOOT, 4 SHOWER UNIT | | 31,129 | 7.45 | 2.04 | 2.66 | 0.71 | 0.00 | 45 |
| | T45HA003 | | 40 FOOT, 6 SHOWER UNIT | | 41,507 | 9.84 | 2.72 | 3.55 | 0.94 | 0.00 | 60 |
| | 0.90 TANK TRAILERS | | | | | | | | | | |
| | | | WARNER FRUEHAUF | | | | | | | | |
| | T45WR001 | TEV-F2-R-5500 | 5500 GAL VAC. TANK TRLR,SA285C PRESS VESSEL STEEL, STRAIGHT FRAME CONSTR. | | 39,477 | 7.38 | 2.15 | 2.53 | 0.88 | 0.00 | 144 |
| | T45WR002 | TKV-F2-R-5500 | 5500 GAL VAC. TANK TRLR, T316L S.S VESSEL, STRAIGHT FRAME CONSTR. | | 54,081 | 10.00 | 2.99 | 3.55 | 1.21 | 0.00 | 145 |
| | T45WR003 | TKX-F2-R-7000 | 7000 GAL INSUL. TANK TRLR, T316L S.S. VESSEL, STRAIGHT FRAME CONSTR. | | 48,175 | 8.93 | 2.64 | 3.13 | 1.07 | 0.00 | 129 |
| | T45WR004 | TEV-F2-W-5500 | 7000 GAL INSUL. TANK TRLR, T316L S.S. VESSEL, ASYMMETRICAL DOUBLE CONICAL CONSTRUCTION | | 49,997 | 9.27 | 2.75 | 3.26 | 1.12 | 0.00 | 129 |
| | T45WR005 | TEV-F2-R-5000 | 5000 GAL CORROSIVE TANK TRLR, T316L S.S. VESSEL, STRAIGHT FRAME CONSTR. | | 42,188 | 7.87 | 2.30 | 2.72 | 0.94 | 0.00 | 110 |
| **T50** | **TRUCKS, HIGHWAY (add attachments as required)** | | | | | | | | | | |
| | 0.01 0 THRU 10,000 GVW | | | | | | | | | | |
| | | | FORD | | | | | | | | |
| | T50FO001 | F150 | 4X2 1/2-TON PICK-UP, 4900 GVW | 137 HP G | 12,291 | 7.70 | 0.91 | 1.26 | 0.28 | 3.35 | 32 |
| | T50FO002 | F150 | 4X4 1/2-TON PICK-UP, 6250 GVW | 137 HP G | 14,356 | 8.27 | 1.07 | 1.49 | 0.32 | 3.35 | 37 |
| | T50FO003 | F250 | 4X2 3/4-TON PICK-UP, 8600 GVW | 137 HP G | 13,447 | 8.03 | 0.99 | 1.37 | 0.30 | 3.35 | 37 |
| | T50FO004 | F250 | 4X4 3/4-TON PICK-UP, 8800 GVW | 137 HP G | 16,360 | 8.83 | 1.21 | 1.68 | 0.37 | 3.35 | 40 |
| | T50FO005 | F350 | 4X2 1-TON PICK-UP,10000 GVW | 137 HP G | 15,738 | 8.72 | 1.14 | 1.58 | 0.35 | 3.35 | 43 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | GMC AND CHEVROLET | | | | | | | | |
| | T50GM001 | S10 | 4X2 COMPACT PICKUP, 3500 GVW | 92 HP G | 10,094 | 5.70 | 0.75 | 1.03 | 0.23 | 2.25 | 26 |
| | T50GM002 | S10 | 4X4 COMPACT PICKUP, 3800 GVW | 92 HP G | 12,018 | 6.18 | 0.89 | 1.23 | 0.27 | 2.25 | 29 |
| | T50GM003 | C14 | 4X2 1500 PICKUP, 5200 GVW | 150 HP G | 11,894 | 8.04 | 0.88 | 1.22 | 0.27 | 3.67 | 37 |
| | T50GM004 | C10906 | 4X2 SUBURBAN, 8600 GVW | 165 HP G | 16,669 | 9.73 | 1.24 | 1.73 | 0.37 | 4.04 | 47 |
| | T50GM005 | K10906 | 4X4 SUBURBAN, 8600 GVW | 165 HP G | 18,390 | 10.21 | 1.37 | 1.92 | 0.41 | 4.04 | 50 |
| | T50GM006 | C24 | 4X2 2500 PICKUP, 7200 GVW | 245 HP G | 13,246 | 11.49 | 0.98 | 1.36 | 0.30 | 6.00 | 41 |
| | T50GM007 | K24 | 4X4 2500 PICKUP, 7200 GVW | 245 HP G | 15,366 | 12.07 | 1.14 | 1.58 | 0.35 | 6.00 | 49 |
| | T50GM008 | C34 | 4X2 3500 PICKUP, 8600 GVW | 245 HP G | 13,902 | 11.65 | 1.03 | 1.43 | 0.31 | 6.00 | 43 |
| | T50GM009 | K34 | 4X4 3500 PICKUP, 8600 GVW | 245 HP G | 16,068 | 12.25 | 1.19 | 1.66 | 0.36 | 6.00 | 50 |
| 0.02 | OVER 10,000 THRU 30,000 GVW | | | | | | | | | | |
| | | | FORD | | | | | | | | |
| | T50FO006 | F600 | 21,000 GVW, 2 AXLE | 164 HP G | 28,067 | 18.62 | 1.86 | 2.48 | 0.62 | 9.03 | 70 |
| | T50FO007 | F600 | 21,000 GVW, 2 AXLE | 213 HP D | 30,242 | 15.17 | 2.01 | 2.68 | 0.67 | 6.35 | 70 |
| | T50FO008 | F700 | 22,200 GVW, 2 AXLE | 164 HP G | 30,222 | 19.09 | 2.01 | 2.68 | 0.67 | 9.03 | 75 |
| | T50FO009 | F700 | 22,200 GVW, 2 AXLE | 213 HP D | 34,916 | 16.18 | 2.33 | 3.12 | 0.77 | 6.35 | 75 |
| | T50FO010 | F800 | 24,700 GVW, 2 AXLE | 213 HP G | 32,679 | 23.32 | 2.17 | 2.89 | 0.72 | 11.73 | 82 |
| | T50FO011 | F800 | 24,500 GVW, 2 AXLE | 210 HP D | 39,103 | 17.31 | 2.56 | 3.37 | 0.87 | 6.26 | 82 |
| | | | GMC AND CHEVROLET | | | | | | | | |
| | T50GM010 | C5D042 | 4X2, 2 AXLE, 15000 GVW | 163 HP G | 24,140 | 17.69 | 1.59 | 2.11 | 0.53 | 8.98 | 54 |
| | T50GM011 | C6D042 | 4X2, 2 AXLE, 24000 GVW | 163 HP G | 28,356 | 18.61 | 1.88 | 2.50 | 0.63 | 8.98 | 62 |
| | T50GM012 | C6D042 | 4X2, 2 AXLE, 24000 GVW | 170 HP D | 31,416 | 13.76 | 2.10 | 2.79 | 0.70 | 5.07 | 71 |
| | T50GM013 | C7D042 | 4X2, 2 AXLE, 24000 GVW | 200 HP G | 28,447 | 21.44 | 1.88 | 2.49 | 0.63 | 11.02 | 66 |
| | T50GM014 | C7D042 | 4X2, 2 AXLE, 24000 GVW | 170 HP D | 32,632 | 14.17 | 2.14 | 2.84 | 0.72 | 5.07 | 70 |
| | | | INTERNATIONAL/NAVISTAR | | | | | | | | |
| | T50IT001 | 1654 | 16,000 GVW, 4X2, S SERIES, 2 AXLE | 155 HP D | 22,988 | 11.23 | 1.54 | 2.06 | 0.51 | 4.62 | 67 |
| | T50IT002 | 1754 | 16,000 GVW, 4X2, S SERIES, 2 AXLE | 165 HP D | 27,143 | 12.52 | 1.83 | 2.45 | 0.60 | 4.92 | 77 |
| | T50IT003 | 1954 | 21,700 GVW, 4X2, S SERIES, 2 AXLE | 180 HP D | 32,194 | 14.30 | 2.14 | 2.86 | 0.71 | 5.36 | 83 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.03 | OVER 30,000 GVW | | | | | | | | | | |
| | | FORD | | | | | | | | | |
| | T50FO012 | FT800 | 44,300 GVW, 3 AXLE | 213 HP G | 53,768 | 35.95 | 3.70 | 5.08 | 1.16 | 16.95 | 103 |
| | T50FO013 | LT8000 | 52,400 GVW, 3 AXLE | 240 HP D | 70,367 | 29.79 | 4.85 | 6.67 | 1.51 | 10.01 | 115 |
| | T50FO014 | LTS8000 | 54,000 GVW, 3 AXLE | 240 HP D | 74,593 | 30.77 | 5.15 | 7.08 | 1.61 | 10.01 | 116 |
| | T50FO015 | LNT8000 | 54,000 GVW, 3 AXLE | 240 HP D | 69,405 | 29.61 | 4.77 | 6.56 | 1.49 | 10.01 | 112 |
| | T50FO016 | CT8000 | 45,000 GVW, 3 AXLE | 215 HP D | 62,699 | 26.74 | 4.30 | 5.89 | 1.35 | 8.97 | 127 |
| | T50FO017 | LT9000 | 64,000 GVW, 3 AXLE | 300 HP D | 96,588 | 39.31 | 6.66 | 9.15 | 2.08 | 12.52 | 127 |
| | T50FO018 | LTS9000 | 66,000 GVW, 3 AXLE | 240 HP D | 102,024 | 37.26 | 7.03 | 9.65 | 2.20 | 10.01 | 133 |
| | T50FO019 | LNT9000 | 64,000 GVW, 3 AXLE | 350 HP D | 95,095 | 41.80 | 6.53 | 8.95 | 2.05 | 14.60 | 124 |
| | T50FO020 | CLT9000 | 64,000 GVW, 3 AXLE | 400 HP D | 111,667 | 48.08 | 7.76 | 10.71 | 2.40 | 16.69 | 130 |
| | | GMC AND CHEVROLET | | | | | | | | | |
| | T50GM015 | C7D064 | 6X4, 3 AXLE, 41000 GVW | 200 HP G | 42,762 | 32.24 | 2.87 | 3.90 | 0.92 | 15.91 | 98 |
| | T50GM016 | C7D064 | 6X4, 3 AXLE, 41000 GVW | 205 HP D | 47,989 | 22.89 | 3.25 | 4.43 | 1.03 | 8.55 | 111 |
| | | INTERNATIONAL/NAVISTAR | | | | | | | | | |
| | T50IT004 | F2554 | 43,000 GVW, 6X4, S SERIES, 3 AXLE | 215 HP D | 56,510 | 25.36 | 3.86 | 5.28 | 1.22 | 8.97 | 134 |
| | T50IT005 | F2574 | 50,000 GVW, 6X4, S SERIES, 3 AXLE | 240 HP D | 79,366 | 31.82 | 5.49 | 7.56 | 1.71 | 10.01 | 149 |
| | T50IT006 | P5070 | 54,000 GVW, 6X4, PAYSTAR SERIES,3AX | 240 HP D | 86,697 | 33.47 | 6.02 | 8.30 | 1.87 | 10.01 | 150 |
| | T50IT007 | P5070 | 53,200 GVW, 6X6, PAYSTAR SERIES,3AX | 240 HP D | 106,034 | 37.77 | 7.40 | 10.23 | 2.28 | 10.01 | 170 |
| | | KENWORTH | | | | | | | | | |
| | T50KE001 | T800 | 33,000 GVW, 76,800 GCW, 2 AXLE | 270 HP D | 88,629 | 34.86 | 6.31 | 8.79 | 1.91 | 11.26 | 115 |
| | T50KE002 | T600A | 33,000 GVW, 76,800 GCW, 2 AXLE | 270 HP D | 96,692 | 36.65 | 6.88 | 9.59 | 2.08 | 11.26 | 120 |
| | T50KE003 | C500B | 46,000 GVW, 3 AXLE | 270 HP D | 97,094 | 36.88 | 6.89 | 9.59 | 2.09 | 11.26 | 136 |
| | T50KE004 | K100E | 50,000 GVW, 85,000 GCW, 3 AXLE | 270 HP D | 99,814 | 37.49 | 7.08 | 9.86 | 2.15 | 11.26 | 138 |
| | T50KE005 | W900B | 50,000 GVW, 85,000 GCW, 3 AXLE | 270 HP D | 102,040 | 37.98 | 7.24 | 10.08 | 2.20 | 11.26 | 140 |
| | | MACK TRUCKS | | | | | | | | | |
| | T50MT001 | R690T | HAULING, 33,500 GVW, 4X2 | 275 HP D | 74,638 | 32.21 | 5.25 | 7.28 | 1.61 | 11.47 | 101 |
| | T50MT002 | MH-612 | 35,000 GVW, 4X2 | 300 HP D | 82,067 | 35.26 | 5.79 | 8.03 | 1.77 | 12.52 | 123 |
| | T50MT003 | RW732 | HAULING, 35,000 GVW, 4X2 | 300 HP D | 82,088 | 35.27 | 5.79 | 8.03 | 1.77 | 12.52 | 118 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | T50MT004 | MH-613 | 46,000 GVW, 6X4 | 300 HP D | 92,390 | 37.79 | 6.48 | 8.97 | 1.99 | 12.52 | 149 |
| | T50MT005 | R690ST | HAULING, 44,500 GVW, 6X4 | 275 HP D | 88,697 | 35.57 | 6.21 | 8.60 | 1.91 | 11.47 | 135 |
| | T50MT006 | RW733 | HAULING, 46,000 GVW, 6X4 | 300 HP D | 93,554 | 38.05 | 6.56 | 9.09 | 2.01 | 12.52 | 147 |
| | T50MT007 | RD690SX | DUMP/MIXER, 70,000 GVW, 6X4 | 275 HP D | 98,794 | 37.83 | 6.94 | 9.61 | 2.13 | 11.47 | 179 |
| | T50MT008 | DM690SX | ON/OFF,DUMP/MIXER, 78,000 GVW, 6X4 | 275 HP D | 103,854 | 38.96 | 7.30 | 10.12 | 2.24 | 11.47 | 185 |
| | T50MT009 | RD8666S | DUMP/MIXER, 50,000 GVW, 6X6 | 400 HP D | 130,234 | 51.81 | 9.19 | 12.78 | 2.80 | 16.69 | 205 |
| | T50MT010 | RD8666SX | DUMP/MIXER, 74,000 GVW, 6X6 | 400 HP D | 144,795 | 55.06 | 10.24 | 14.23 | 3.12 | 16.69 | 234 |
| | | PETERBILT | | | | | | | | | |
| | T50PE001 | 376 | 65000 GCW, 2 AXLE | 250 HP D | 70,252 | 30.19 | 4.87 | 6.71 | 1.51 | 10.43 | 95 |
| | T50PE002 | 375 | 46000 GVW, 110000 GCW, 3 AXLE | 285 HP D | 87,039 | 36.40 | 5.96 | 8.18 | 1.87 | 11.89 | 130 |
| | T50PE003 | 362 | 46000 GVW, 110000 GCW, 3 AXLE | 300 HP D | 103,704 | 40.94 | 7.15 | 9.84 | 2.23 | 12.52 | 142 |
| | T50PE004 | 379 | 46000 GVW, 110000 GCW, 3 AXLE | 315 HP D | 106,509 | 42.39 | 7.35 | 10.12 | 2.29 | 13.14 | 145 |
| | T50PE005 | 357 | 62000 GVW, 110000 GCW, 3 AXLE | 285 HP D | 100,260 | 39.35 | 6.91 | 9.50 | 2.16 | 11.89 | 155 |
| **T55** | **TRUCKS, OFF-HIGHWAY** | | | | | | | | | | |
| | | CATERPILLAR | | | | | | | | | |
| | T55CA001 | 769C | 22-30 CY, 35T,REAR DUMP,POWERSHIFT | 450 HP D | 385,289 | 78.22 | 20.61 | 25.84 | 7.69 | 9.50 | 713 |
| | T55CA002 | 773B | 30-45 CY, 50T,REAR DUMP,POWERSHIFT | 650 HP D | 523,497 | 110.14 | 27.67 | 34.46 | 10.44 | 13.73 | 913 |
| | T55CA003 | 777B | 47-67 CY, 85T,REAR DUMP,POWERSHIFT | 870 HP D | 786,308 | 160.25 | 40.64 | 49.90 | 15.69 | 18.37 | 1,425 |
| | T55CA004 | 768C | PRIME MOVER TRACTOR, POWERSHIFT | 450 HP D | 343,507 | 69.90 | 18.18 | 22.66 | 6.85 | 9.50 | 523 |
| | T55CA005 | 772B | PRIME MOVER TRACTOR, POWERSHIFT | 650 HP D | 490,947 | 103.66 | 25.28 | 30.98 | 9.79 | 13.73 | 716 |
| | T55CA006 | 776B | PRIME MOVER TRACTOR, POWERSHIFT | 870 HP D | 676,466 | 143.47 | 34.55 | 42.12 | 13.49 | 18.37 | 1,120 |
| | | DJB/CATERPILLAR | | | | | | | | | |
| | T55DJ001 | D25D 4X4 | 13-18 CY, 25T, REAR DUMP, ARTIC, PS | 260 HP D | 278,770 | 54.61 | 14.85 | 18.58 | 5.56 | 5.49 | 455 |
| | T55DJ002 | D250B 6X4 | 15-19 CY, 25T, REAR DUMP, ARTIC, PS | 218 HP D | 253,807 | 48.68 | 13.63 | 17.14 | 5.06 | 4.60 | 423 |
| | T55DJ003 | D30D 4X4 | 17-22 CY, 30T, REAR DUMP, ARTIC, PS | 285 HP D | 325,368 | 64.22 | 17.20 | 21.42 | 6.49 | 6.02 | 470 |
| | T55DJ004 | D300B 6X6 | 17-22 CY, 30T, REAR DUMP, ARTIC, PS | 260 HP D | 309,244 | 60.22 | 16.49 | 20.64 | 6.17 | 5.49 | 436 |
| | T55DJ005 | D350D 6X6 | 20-26 CY, 35T, REAR DUMP, ARTIC, PS | 285 HP D | 377,170 | 74.32 | 19.89 | 24.73 | 7.52 | 6.02 | 544 |
| | T55DJ007 | D400 DWL 6X6 | 22-30 CY, 40T, REAR DUMP, ARTIC, PS | 385 HP D | 418,336 | 85.90 | 21.93 | 27.16 | 8.35 | 8.13 | 617 |
| | T55DJ010 | D350D DWL 6X6 | 18-26 CY, 35T, REAR DUMP, ARTIC, PS | 285 HP D | 386,556 | 72.39 | 20.74 | 26.06 | 7.71 | 6.02 | 545 |
| | T55DJ011 | D40D 4X4 | 19-26 CY, 40T, REAR DUMP, ARTIC, PS | 385 HP D | 422,686 | 81.25 | 22.69 | 28.52 | 8.43 | 8.13 | 617 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) | | ADJUSTABLE ELEMENTS OWNERSHIP | | | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | AVERAGE | STANDBY | DEPR | FCCM | FUEL | |
| | | EUCLID/VME | | | | | | | | | |
| | T55EU001 | R25 | 14-19 CY, 25T, REAR DUMP,POWERSHIFT | 230 HP D | 250,829 | 47.34 | 13.43 | 16.86 | 5.00 | 4.86 | 404 |
| | T55EU002 | R35 | 22-30 CY, 35T, REAR DUMP,POWERSHIFT | 450 HP D | 407,537 | 81.61 | 21.84 | 27.42 | 8.13 | 9.50 | 623 |
| | T55EU003 | R50 | 32-44 CY, 50T, REAR DUMP,POWERSHIFT | 675 HP D | 572,434 | 118.36 | 30.39 | 37.93 | 11.42 | 14.26 | 860 |
| | T55EU004 | R85-B | 49-67 CY, 85T, REAR DUMP,POWERSHIFT | 925 HP D | 716,102 | 149.88 | 37.02 | 45.45 | 14.29 | 19.54 | 1,409 |
| | | TEREX | | | | | | | | | |
| | T55TE001 | 2566 | 14-17 CY, 23 TON, REAR DUMP, ARTIC | 224 HP D | 242,610 | 47.91 | 13.02 | 16.35 | 4.84 | 4.73 | 370 |
| | T55TE002 | 2766 | 16-19 CY, 25 TON, REAR DUMP, ARTIC | 237 HP D | 263,525 | 51.60 | 13.90 | 17.28 | 5.26 | 5.01 | 379 |
| | T55TE003 | 3066 | 17-21 CY, 27 TON, REAR DUMP, ARTIC | 258 HP D | 283,231 | 55.44 | 14.96 | 18.61 | 5.65 | 5.45 | 397 |
| | T55TE004 | 33-05B | 20-25 CY, 30 TON, REAR DUMP, PS | 324 HP D | 313,889 | 63.01 | 16.72 | 20.92 | 6.26 | 6.84 | 499 |
| | T55TE005 | 4066 | 23-29 CY, 36 TON, REAR DUMP, ARTIC | 359 HP D | 382,263 | 79.83 | 20.10 | 24.94 | 7.63 | 7.58 | 553 |
| | T55TE006 | 33-07 | 26-34 CY, 40 TON, REAR DUMP, PS | 500 HP D | 381,856 | 84.09 | 19.84 | 24.43 | 7.62 | 10.56 | 743 |
| | T55TE007 | 33-09 | 36-47 CY, 55 TON, REAR DUMP, PS | 620 HP D | 492,614 | 102.13 | 25.56 | 31.46 | 9.83 | 13.09 | 933 |
| | T55TE008 | 33-11D | 51-70 CY, 85 TON, REAR DUMP, PS | 861 HP D | 709,388 | 145.92 | 36.84 | 45.38 | 14.15 | 18.18 | 1,274 |
| | | UNIT RIG | | | | | | | | | |
| | T55UN001 | MARK 24 | 45-63 CY, 85 TON, REAR DUMP | 900 HP D | 543,157 | 122.73 | 27.44 | 33.20 | 10.84 | 19.01 | 1,300 |
| | T55UN002 | MARK 30 | 63-85 CY, 120 TON, REAR DUMP | 1,200 HP D | 677,006 | 153.30 | 34.59 | 42.16 | 13.51 | 25.34 | 1,560 |
| | T55UN003 | MARK 36 | 92-126 CY, 170 TON, REAR DUMP | 1,600 HP D | 845,571 | 203.96 | 41.30 | 48.86 | 16.87 | 33.79 | 1,950 |
| | | VOLVO/VME | | | | | | | | | |
| | T55VO001 | A-20 | 12-16 CY, 20 TON, 6X6, REAR DUMP | 186 HP D | 172,872 | 35.89 | 9.05 | 11.20 | 3.45 | 3.93 | 346 |
| | T55VO002 | A-25 | 13-17 CY, 25 TON, 4X4, REAR DUMP | 240 HP D | 214,846 | 45.23 | 11.28 | 13.98 | 4.29 | 5.07 | 325 |
| | T55VO003 | A-25 | 13-17 CY, 25 TON, 6X6, REAR DUMP | 240 HP D | 230,729 | 46.83 | 12.24 | 15.27 | 4.60 | 5.07 | 373 |
| | T55VO004 | A-35 | 21-25 CY, 35 TON, 6X6, REAR DUMP | 326 HP D | 318,544 | 65.61 | 16.76 | 20.82 | 6.35 | 6.89 | 538 |
| | | WABCO/DRESSER | | | | | | | | | |
| | T55WA001 | 140M | 30 CY, 33-43 TON, MECH REAR DUMP | 485 HP D | 440,144 | 87.61 | 23.64 | 29.72 | 8.78 | 10.24 | 652 |
| | T55WA002 | 210M | 44 CY, 44-59 TON, MECH REAR DUMP | 675 HP D | 565,642 | 120.16 | 29.66 | 36.76 | 11.28 | 14.26 | 849 |
| | T55WA003 | 325M | 67 CY, 83-98 TON, MECH REAR DUMP | 930 HP D | 742,868 | 155.61 | 38.29 | 46.94 | 14.82 | 19.64 | 1,270 |
| | T55WA005 | 510E | 100 CY, 116-153 TON, MECH REAR DUMP | 1,350 HP D | 1,433,924 | 283.79 | 74.41 | 91.59 | 28.61 | 28.51 | 2,005 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **T57 TRUCKS, VACUUM** | | | | | | | | | | | |
| | | | CUSCO INDUSTRIES | | | | | | | | |
| | T57CU001 | INDUSTRIAL VAC | 5500 GAL, 750 CFM, TRLR MTD REAR DOOR & HYDRAULIC DUMP SYSTEM | 76 HP D | 69,834 | 17.48 | 4.27 | 5.59 | 1.47 | 2.63 | 76 |
| | T57CU002 | SS INDUST. VAC | 5500 GAL,SS, 750 CFM, TRLR MTD REAR DOOR & HYDRAULIC DUMP SYSTEM | 76 HP D | 86,115 | 20.74 | 5.26 | 6.89 | 1.81 | 2.63 | 76 |
| | T57CU003 | 2127 | 5500 GAL,2100 CFM, TRLR MTD W/REAR DOOR & HYDRAULIC DUMP SYSTEM | 115 HP D | 108,486 | 27.00 | 6.62 | 8.68 | 2.28 | 3.97 | 115 |
| | T57CU004 | 3127 | 5500 GAL,3170 CFM, TRLR MTD W/REAR DOOR & HYDRAULIC DUMP SYSTEM | 177 HP D | 119,230 | 32.00 | 7.27 | 9.54 | 2.50 | 6.12 | 177 |
| | T57CU005 | 4527 | 5500 GAL,4550 CFM, TRLR MTD W/REAR DOOR & HYDRAULIC DUMP SYSTEM | 335 HP D | 157,994 | 47.02 | 9.64 | 12.64 | 3.32 | 11.58 | 335 |
| **T60 TRUCKS, WATER, OFF-HIGHWAY** | | | | | | | | | | | |
| | | | KLEIN | | | | | | | | |
| | T60KI001 | KT-50 | 5,000 GALLON,WITH CAT 613C TRACTOR | 175 HP D | 178,756 | 38.37 | 9.24 | 11.09 | 3.69 | 6.05 | 320 |
| | T60KI002 | KT-60 | 6,000 GALLON,WITH CAT 621E TRACTOR | 330 HP D | 324,528 | 70.98 | 16.58 | 19.76 | 6.70 | 11.40 | 580 |
| | T60KI003 | KT-80 | 8,000 GALLON,WITH CAT 631E TRACTOR | 450 HP D | 454,054 | 98.22 | 23.34 | 27.93 | 9.37 | 15.55 | 751 |
| | T60KI004 | KT-100 | 10,000 GALLON,WITH CAT 631E TRACTOR | 450 HP D | 460,044 | 99.18 | 23.67 | 28.33 | 9.50 | 15.55 | 811 |
| | T60KI005 | KT-100 | 10,000 GALLON,WITH CAT 651E TRACTOR | 550 HP D | 552,036 | 119.64 | 28.37 | 33.93 | 11.40 | 19.01 | 1,001 |
| | T60KI006 | KT-120 | 12,000 GALLON,WITH CAT 651E TRACTOR | 550 HP D | 558,867 | 120.73 | 28.74 | 34.39 | 11.54 | 19.01 | 1,097 |
| | | | SOUTHWEST | | | | | | | | |
| | T60SO001 | STT-60 | 6,000 GALLON WITH CAT 621E TRACTOR | 330 HP D | 369,791 | 78.20 | 19.02 | 22.78 | 7.63 | 11.40 | 610 |
| | T60SO002 | STT-80 | 8,000 GALLON WITH CAT 631E TRACTOR | 450 HP D | 499,033 | 105.43 | 25.76 | 30.92 | 10.30 | 15.55 | 812 |
| | T60SO003 | STT-100 | 10,000 GALLON WITH CAT 631E TRACTOR | 450 HP D | 508,401 | 106.91 | 26.26 | 31.54 | 10.49 | 15.55 | 897 |
| | T60SO004 | STT-120 | 12,000 GALLON WITH CAT 651E TRACTOR | 550 HP D | 632,651 | 133.06 | 32.57 | 39.01 | 13.06 | 19.01 | 1,149 |
| | T60SO005 | STT-140 | 14,000 GALLON WITH CAT 651E TRACTOR | 550 HP D | 644,034 | 134.87 | 33.18 | 39.77 | 13.29 | 19.01 | 1,184 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **T65** | **TUNNEL/MINING EQUIPMENT** | | | | | | | | | | |
| | 0.10 | DRIFTING & TUNNELING DRILLS | | | | | | | | | |
| | | | ATLAS COPCO | | | | | | | | |
| | T65AS001 | H104 | HYDRAULIC SINGLE-BOOM DRILL FOR CROSS SECTIONS, 65-215 SF | 67 HP D | 265,603 | 46.71 | 13.24 | 16.02 | 5.23 | 2.89 | 192 |
| | T65AS002 | H244 | HYDRAULIC SINGLE-BOOM DRILL FOR CROSS SECTIONS, 108-345 SF | 114 HP D | 400,588 | 71.04 | 20.00 | 24.21 | 7.89 | 4.92 | 289 |
| | T65AS003 | H130 | HYDRAULIC TWIN-BOOM DRILL FOR CROSS SECTIONS, 130-430 SF | 148 HP D | 540,585 | 95.62 | 26.97 | 32.63 | 10.65 | 6.39 | 507 |
| | T65AS004 | H177 | HYDRAULIC TWIN-BOOM DRILL FOR CROSS SECTIONS, 592-1300 SF | 148 HP D | 675,517 | 117.25 | 33.72 | 40.82 | 13.31 | 6.39 | 568 |
| | T65AS005 | H185 | HYDRAULIC TWIN-BOOM DRILL FOR CROSS SECTIONS, 480-1070 SF | 322 HP D | 930,946 | 168.20 | 46.51 | 56.33 | 18.34 | 13.91 | 684 |
| | T65AS006 | H179 | HYDRAULIC FOUR-BOOM DRILL FOR CROSS SECTIONS, 700-1600 SF | 268 HP D | 1,068,880 | 187.42 | 53.36 | 64.62 | 21.05 | 11.58 | 957 |
| | T65AS007 | H526 | HYDRAULIC RAILDRILL, SINGLE-BOOM FOR CROSS SECTIONS, 65-269 SF | 67 HP E | 218,655 | 43.37 | 10.95 | 13.28 | 4.31 | 4.29 | 137 |
| | T65AS008 | H528 | HYDRAULIC RAILDRILL, TWIN-BOOM FOR CROSS SECTIONS, 86-485 SF | 134 HP E | 375,584 | 76.82 | 18.80 | 22.80 | 7.40 | 8.58 | 198 |
| | 0.20 | TUNNEL BORING MACHINES | | | | | | | | | |
| | | | ATLAS COPCO | | | | | | | | |
| | T65AS009 | JARVA MK8 | TUNNEL BORING MACHINE 475 TON THRUST, 8-10' DIAMETER | 697 HP E | 2,512,526 | 313.23 | 96.60 | 97.07 | 48.06 | 39.03 | 10,472 |
| | T65AS010 | JARVA MK12 | TUNNEL BORING MACHINE 750 TON THRUST, 11-14' DIAMETER | 1,207 HP E | 3,694,167 | 478.45 | 142.04 | 142.73 | 70.67 | 67.59 | 16,535 |
| | T65AS011 | JARVA MK27 | TUNNEL BORING MACHINE 1400 TON THRUST, 20-28' DIAMETER | 2,716 HP E | 10,164,971 | 1,256.79 | 390.82 | 392.74 | 194.45 | 152.10 | 30,865 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | VOEST-ALPINE | | | | | | | | | |
| | T65VA001 | ATB 35 | TUNNEL BORING MACHINE, 150 TONS 3.50 DIAMETER | 1,250 HP E | 3,285,037 | 430.47 | 126.30 | 126.92 | 62.84 | 70.00 | 3,307 |
| | T65VA002 | ATB 45 | TUNNEL BORING MACHINE, 225 TONS 5.00 DIAMETER | 1,275 HP E | 5,304,759 | 629.15 | 203.96 | 204.96 | 101.48 | 71.40 | 4,960 |
| | T65VA003 | ATB 80 | TUNNEL BORING MACHINE, 500 TONS 8.00 DIAMETER | 2,885 HP E | 11,578,808 | 1,382.29 | 445.18 | 447.36 | 221.50 | 161.56 | 11,023 |
| | 0.30 | PRODUCTION DRILLING RIGS | | | | | | | | | |
| | | ATLAS COPCO | | | | | | | | | |
| | T65AS012 | SIMBA H350 | HYDRAULIC PRODUCTION DRILL RIG HIGH CAPACITY, METHOD MATCHED | 120 HP E | 384,954 | 86.16 | 21.27 | 27.18 | 7.68 | 7.68 | 254 |
| | T65AS013 | SIMBA H260 | HYDRAULIC PRODUCTION DRILL RIG HIGH CAPACITY, WITH DRILLING | 60 HP E | 249,842 | 53.69 | 13.80 | 17.63 | 4.98 | 3.84 | 135 |
| | T65AS014 | | HYDRAULIC DRILL UNIT, SUPER LONG-HOLE DRILL WAGON | 50 HP E | 196,073 | 42.77 | 10.82 | 13.82 | 3.91 | 3.20 | 73 |
| | T65AS015 | | PNEUMATIC PRODUCTION DRILLING BIG HOLE WAGON (ADD COMP) | 425 CFM A | 62,357 | 13.09 | 3.42 | 4.35 | 1.24 | 0.00 | 30 |
| | | FLETCHER MINING | | | | | | | | | |
| | T65FL001 | LHD | DRILLING SYSTEM, WITH DRILL UNIT & TENDER CAR, 2000PSI, 10' REACH | 80 HP E | 296,560 | 64.85 | 16.39 | 20.93 | 5.92 | 5.12 | 400 |
| | 0.40 | ROADHEADERS & CONTINUOUS MINERS | | | | | | | | | |
| | | ATLAS COPCO | | | | | | | | | |
| | T65AS016 | ET 120-L | ROADHEADER, 32 TONS 213" X 158" CUTTING RANGE | 284 HP E | 937,942 | 161.81 | 43.22 | 49.83 | 18.30 | 15.90 | 639 |
| | T65AS017 | ET 210-L | ROADHEADER, 57 TONS 270" X 186" CUTTING RANGE | 456 HP E | 1,430,516 | 248.76 | 65.91 | 76.00 | 27.91 | 25.54 | 1,146 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | T65AS018 | ET 380-L | ROADHEADER, 99 TONS<br>386" X 276" CUTTING RANGE | 510 HP E | 2,111,530 | 351.05 | 97.28 | 112.18 | 41.19 | 28.56 | 1,984 |
| | T65AS019 | ET 450-L | ROADHEADER, 121 TONS<br>331" X 244"" CUTTING RANGE | 644 HP E | 2,099,393 | 362.70 | 96.72 | 111.53 | 40.95 | 36.06 | 2,425 |
| | | ANDERSON TUNNELING | | | | | | | | | |
| | T65AT001 | RH 25 | ROADHEADER, 25.4 TON<br>236" X 167" CUTTING RANGE | 258 HP E | 551,885 | 104.02 | 25.43 | 29.32 | 10.77 | 14.45 | 560 |
| | T65AT002 | RH 25L | ROADHEADER, LOW PROFILE, 25.4T | 258 HP E | 593,997 | 110.02 | 27.37 | 31.56 | 11.59 | 14.45 | 560 |
| | T65AT003 | RH 22 | ROADHEADER, 35 TON<br>213" X 197" CUTTING RANGE | 300 HP E | 799,240 | 143.48 | 36.82 | 42.46 | 15.59 | 16.80 | 770 |
| | T65AT004 | RH 45 | ROADHEADER, 50 TON | 645 HP E | 1,008,786 | 207.45 | 46.48 | 53.59 | 19.68 | 36.12 | 1,100 |
| | T65AT005 | RH 1/4 | ROADHEADER, 66 TON<br>216" X 224" CUTTING RANGE | 360 HP E | 1,157,727 | 200.35 | 53.33 | 61.50 | 22.58 | 20.16 | 1,460 |
| | T65AT006 | RH90 | ROADHEADER, 90 TON<br>236" X 197" CUTTING RANGE | 486 HP E | 1,728,082 | 294.29 | 79.61 | 91.80 | 33.71 | 27.22 | 1,980 |
| | | DOSCO | | | | | | | | | |
| | T65DO001 | MD1100 | ROADHEADER, 36.4 TONS<br>157" X 173" CUTTING RANGE | 210 HP E | 670,379 | 116.13 | 30.89 | 35.61 | 13.08 | 11.76 | 728 |
| | T65DO002 | MK2B | ROADHEADER, 48.5 TONS<br>170" X 227" CUTTING RANGE | 260 HP E | 891,492 | 152.57 | 41.07 | 47.36 | 17.39 | 14.56 | 970 |
| | T65DO003 | MK3 | ROADHEADER, 91.5 TONS<br>236" X 300" CUTTING RANGE | 525 HP E | 1,459,434 | 259.99 | 67.24 | 77.53 | 28.47 | 29.40 | 1,830 |
| | T65DO004 | TB 3000 | TWIN BOOM MINER, 137.8 TONS<br>236" X 350" CUTTING RANGE | 995 HP E | 2,897,354 | 511.03 | 133.48 | 153.92 | 56.52 | 55.72 | 2,756 |
| | T65DO005 | DIRTHEADER | CONTINUOUS MINER, 18.8 TONS | 120 HP E | 612,230 | 99.85 | 28.20 | 32.52 | 11.94 | 6.72 | 376 |
| | | DRESSER INDUSTRIES | | | | | | | | | |
| | T65DR001 | 102HP | CONTINUOUS MINER, 22 TONS,<br>26" TO 47" CUTTING RANGE | 345 HP E | 491,144 | 104.08 | 22.63 | 26.09 | 9.58 | 19.32 | 440 |
| | T65DR002 | 1026 | CONTINUOUS MINER, 42 TONS,<br>33" TO 101" CUTTING RANGE | 440 HP E | 822,442 | 160.70 | 37.89 | 43.69 | 16.04 | 24.64 | 845 |
| | T65DR003 | 1036HP | CONTINUOUS MINER, 55 TONS,<br>46" TO 146" CUTTING RANGE | 690 HP E | 875,946 | 193.01 | 40.36 | 46.53 | 17.09 | 38.64 | 1,110 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | VOEST-ALPINE | | | | | | | | | |
| | T65VA004 | AM 50 | CONTIN. MINER & TUNNEL MACHINE 24TON, 157" X 189" CUTTING RANGE | 230 HP E | 728,207 | 124.15 | 33.56 | 38.69 | 14.21 | 12.88 | 480 |
| | T65VA005 | AM 65-132D | CONTIN. MINER & TUNNEL MACHINE 32TON, 170" X 191" CUTTING RANGE | 465 HP E | 1,150,142 | 205.10 | 52.99 | 61.10 | 22.44 | 26.04 | 706 |
| | T65VA006 | AM 75-160C | CONTIN. MINER & TUNNEL MACHINE 57TON, 185" X 201" CUTTING RANGE | 465 HP E | 1,441,832 | 246.66 | 66.43 | 76.60 | 28.13 | 26.04 | 1,146 |
| | T65VA007 | AM 100-300/360P | CONTIN. MINER & TUNNEL MACHINE 107 TONS | 725 HP E | 2,125,592 | 367.13 | 97.93 | 112.92 | 41.47 | 40.60 | 2,139 |
| 0.50 | ROCK BOLTING EQUIPMENT | | | | | | | | | | |
| | | ATLAS COPCO | | | | | | | | | |
| | T65AS020 | BOLTEC H625L | ROCK BOLTER, 32' VERTICAL REACH (WITH CARRIER ENGINE) | 50 HP E<br>52 HP D | 457,098 | 99.23 | 27.80 | 36.42 | 9.59 | 3.50 | 162 |
| | T65AS021 | BOLTEC H735H | ROCK BOLTER, 34' VERTICAL REACH (WITH CARRIER ENGINE) | 50 HP E<br>82 HP D | 552,497 | 119.07 | 33.63 | 44.05 | 11.60 | 3.67 | 202 |
| | | FLETCHER MINING | | | | | | | | | |
| | T65FL002 | DDR | DUAL HEAD ROOF BOLTER, ANGLE DRILLING, 17.5 TONS, 9' REACH | 80 HP E | 186,905 | 47.63 | 11.36 | 14.88 | 3.92 | 5.12 | 350 |
| | T65FL003 | DDO | DUAL HEAD ROOF BOLTER, LOW PROFILE, 16 TONS | 80 HP E | 176,818 | 45.62 | 10.75 | 14.08 | 3.71 | 5.12 | 320 |
| | T65FL004 | HDDR | DUAL HEAD ROOF BOLTER, WALK-THRU CHASSIS, 20 TONS, 18' REACH | 80 HP E | 254,059 | 61.13 | 15.45 | 20.23 | 5.33 | 5.12 | 400 |
| | T65FL005 | DR | LONGWALL ROOF BOLTER, SINGLE HEAD, 6.6 TONS | 40 HP E | 112,168 | 27.63 | 6.80 | 8.90 | 2.35 | 2.56 | 132 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.60 | LOADING & HAULING EQUIPMENT | | | | | | | | | |
| | 0.61 | DIESEL OR GASOLINE | | | | | | | | | |
| | | | EIMCO (EJC) | | | | | | | | |
| | T65EI001 | EJC 60 | LOAD HAUL DUMP, 1.5 CY BUCKET 6000 LB. PAYLOAD | 68 HP D | 81,566 | 17.24 | 4.34 | 5.31 | 1.68 | 2.55 | 127 |
| | T65EI002 | EJC 100 | LOAD HAUL DUMP, 2.8 CY BUCKET 10,000 LB. PAYLOAD | 100 HP D | 142,923 | 29.33 | 7.59 | 9.27 | 2.95 | 3.74 | 285 |
| | T65EI003 | EJC 130 | LOAD HAUL DUMP, 3.5 CY BUCKET 13,000 LB. PAYLOAD | 139 HP D | 158,777 | 34.09 | 8.41 | 10.26 | 3.28 | 5.20 | 350 |
| | T65EI004 | EJC 210 | LOAD HAUL DUMP, 6.0 CY BUCKET 21,000 LB. PAYLOAD | 231 HP D | 244,113 | 54.24 | 12.76 | 15.44 | 5.04 | 8.65 | 553 |
| | T65EI005 | EJC 300 | LOAD HAUL DUMP, 8.0 CY BUCKET 30,000 LB. PAYLOAD | 277 HP D | 302,376 | 67.42 | 15.07 | 17.65 | 6.24 | 10.37 | 705 |
| | T65EI006 | EJC 400 | LOAD HAUL DUMP, 16.0 CY BUCKET 40,000 LB. PAYLOAD | 325 HP D | 467,592 | 99.43 | 23.16 | 27.02 | 9.65 | 12.17 | 1,322 |
| | T65EI007 | EJC 60 | LOAD HAUL DUMP, 1.5 CY BUCKET 6,000 LB. PAYLOAD | 50 HP D | 90,531 | 18.32 | 4.83 | 5.91 | 1.87 | 1.87 | 132 |
| | T65EI008 | EJC 80 | LOAD HAUL DUMP, 2.25 CY BUCKET 8,000 LB. PAYLOAD | 75 HP D | 139,614 | 28.28 | 7.41 | 9.05 | 2.88 | 2.81 | 240 |
| | T65EI009 | EJC 100 | LOAD HAUL DUMP, 2.8 CY BUCKET 10,000 LB. PAYLOAD | 100 HP D | 157,222 | 32.69 | 8.36 | 10.22 | 3.25 | 3.74 | 310 |
| | T65EI010 | EJC 413 | END DUMP TRUCK 9 CY CAPACITY 26,000 LB PAYLOAD, 4WD | 139 HP D | 149,160 | 32.65 | 7.87 | 9.58 | 3.08 | 5.20 | 325 |
| | T65EI011 | EJC 985-T15 | END DUMP TRUCK 10 CY CAPACITY 30,000 LB PAYLOAD, 4WD | 185 HP D | 143,130 | 33.97 | 7.54 | 9.17 | 2.95 | 6.93 | 280 |
| | T65EI012 | EJC 430 | END DUMP TRUCK 18 CY CAPACITY 60,000 LB PAYLOAD. 4WD | 277 HP D | 239,324 | 57.25 | 12.23 | 14.58 | 4.94 | 10.37 | 530 |
| | T65EI013 | EJC 450 | END DUMP TRUCK 26.5 CY CAPACITY 50 TON PAYLOAD. 4WD | 450 HP D | 438,119 | 100.15 | 22.71 | 27.34 | 9.04 | 16.85 | 930 |
| | | | WAGNER MINING | | | | | | | | |
| | T65WG001 | HST-05 | SCOOPTRAM, 0.5 CY BUCKET 1500 LB CAPACITY | 41 HP D | 78,722 | 15.34 | 4.21 | 5.15 | 1.63 | 1.54 | 66 |
| | T65WG002 | ST-2D | SCOOPTRAM, 2.5 CY BUCKET 8000 LB CAPACITY, 4WD | 82 HP D | 146,803 | 29.07 | 7.80 | 9.53 | 3.03 | 3.07 | 248 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | T65WG003 | ST-6C | SCOOPTRAM, 6.0 CY BUCKET 21,000 LB CAPACITY, 4WD | 231 HP D | 276,831 | 59.63 | 14.52 | 17.62 | 5.71 | 8.65 | 510 |
| | T65WG004 | ST-8B | SCOOPTRAM, 8.50 CY BUCKET 30,000 LB CAPACITY, 4WD | 277 HP D | 367,091 | 78.47 | 19.11 | 23.05 | 7.58 | 10.37 | 790 |
| | T65WG008 | MT-406 | REAR DUMP TRUCK, 4.4 CY CAP 13,200 LB PAYLOAD, 4WD | 82 HP D | 96,320 | 20.27 | 5.16 | 6.33 | 1.99 | 3.07 | 131 |
| | T65WG009 | MT-416 | REAR DUMP TRUCK, 10.7 CY CAP 16 TON PAYLOAD, 4WD | 185 HP D | 182,298 | 40.12 | 9.71 | 11.90 | 3.76 | 6.93 | 343 |
| | T65WG010 | MT-433 | REAR DUMP TRUCK, 22.0 CY CAP 33 TON PAYLOAD, 4WD | 277 HP D | 319,626 | 70.64 | 16.55 | 19.89 | 6.60 | 10.37 | 623 |
| | T65WG011 | MT-444 | REAR DUMP TRUCK, 29.3 CY CAP 44 TON PAYLOAD, 4WD | 475 HP D | 410,564 | 97.27 | 21.16 | 25.36 | 8.48 | 17.78 | 725 |
| 0.62 | ELECTRIC | | | | | | | | | | |
| | | VOEST-ALPINE | | | | | | | | | |
| | T65VA008 | AL 30 | FACE FEED LOADER, 1.6 CY BUCKET | 100 HP E | 540,471 | 88.24 | 25.88 | 29.71 | 11.02 | 5.60 | 500 |
| | T65VA009 | AL 60 | FACE FEED LOADER, 2.6 CY BUCKET | 215 HP E | 874,961 | 140.53 | 42.84 | 50.00 | 17.84 | 12.04 | 1,102 |
| | | WAGNER MINING | | | | | | | | | |
| | T65WG005 | EHST-05 | SCOOPTRAM, 0.5 CY BUCKET 1500 LB CAPACITY | 30 HP E | 94,766 | 16.39 | 4.60 | 5.33 | 1.93 | 1.68 | 60 |
| | T65WG006 | EST-2D | SCOOPTRAM, 2.5 CY BUCKET 8000 LB CAPACITY, 4WD | 75 HP E | 175,363 | 32.44 | 8.48 | 9.80 | 3.58 | 4.20 | 254 |
| | T65WG007 | EST-6C | SCOOPTRAM, 6.0 CY BUCKET 21,000 LB CAPACITY, 4WD | 175 HP E | 329,470 | 65.28 | 15.78 | 18.11 | 6.72 | 9.80 | 500 |
| 0.63 | AIR-POWERED | | | | | | | | | | |
| | | ATLAS COPCO | | | | | | | | | |
| | T65AS022 | LM 37 | RAILBOUND OVERHEAD LOADER 5.0 CF BUCKET (ADD COMP) | 210 CFM A | 42,841 | 9.10 | 2.54 | 3.21 | 0.93 | 0.00 | 43 |
| | T65AS023 | LM 57 | RAILBOUND OVERHEAD LOADER 9.2 CF BUCKET (ADD COMP) | 280 CFM A | 49,946 | 10.36 | 2.96 | 3.75 | 1.08 | 0.00 | 60 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | T65AS024 | CAVO 310 | WHEELED LOAD-AND-CARRY DUMPER 4.6 CF BUCKET (ADD COMP) | 280 CFM A | 72,128 | 15.00 | 4.22 | 5.31 | 1.56 | 0.00 | 70 |
| | T65AS025 | CAVO 320 | WHEELED OVERHEAD LOADER 11 CF BUCKET (ADD COMP) | 280 CFM A | 74,081 | 15.35 | 4.33 | 5.46 | 1.60 | 0.00 | 90 |
| | 0.70 LOCOMOTIVES | | | | | | | | | | |
| | | BROOKVILLE MINING | | | | | | | | | |
| | T65BR001 | | 15 TON LOCOMOTIVE, CHAIN DRIVE 24" GAUGE, 375 TON CAP SCH. #24 | 139 HP D | 118,689 | 24.77 | 6.41 | 7.91 | 2.45 | 5.20 | 300 |
| | T65BR002 | | 15 TON LOCOMOTIVE, CHAIN DRIVE 24" GAUGE, 375 TON CAP SCH. #31 | 139 HP D | 137,549 | 27.88 | 7.43 | 9.17 | 2.84 | 5.20 | 300 |
| | T65BR003 | | 20 TON LOCOMOTIVE, CHAIN DRIVE 24" GAUGE, 500 TON CAP SCH. #24 | 139 HP D | 135,950 | 27.62 | 7.34 | 9.06 | 2.81 | 5.20 | 400 |
| | T65BR004 | | 20 TON LOCOMOTIVE, CHAIN DRIVE 24" GAUGE, 500 TON CAP SCH. #31 | 139 HP D | 159,527 | 31.51 | 8.61 | 10.64 | 3.29 | 5.20 | 400 |
| | T65BR005 | | 25 TON LOCOMOTIVE, PLANETARY DR 30" GAUGE, 625 TON CAP SCH. #24 | 185 HP D | 163,255 | 33.85 | 8.81 | 10.88 | 3.37 | 6.93 | 500 |
| | T65BR006 | | 25 TON LOCOMOTIVE, PLANETARY DR 30" GAUGE, 625 TON CAP SCH. #31 | 185 HP D | 186,832 | 37.75 | 10.09 | 12.46 | 3.86 | 6.93 | 500 |
| | T65BR007 | | 35 TON LOCOMOTIVE, PLANETARY DR 36" GAUGE, 875 TON CAP SCH. #24 | 375 HP D | 216,083 | 49.67 | 11.67 | 14.41 | 4.46 | 14.04 | 700 |
| | T65BR008 | | 35 TON LOCOMOTIVE, PLANETARY DR 36" GAUGE, 875 TON CAP SCH. #31 | 375 HP D | 234,944 | 52.78 | 12.68 | 15.66 | 4.85 | 14.04 | 700 |
| | T65BR009 | | 45 TON LOCOMOTIVE, PLANETARY DR 42" GAUGE, 1125 TON CAP SCH. #24 | 375 HP D | 228,889 | 51.78 | 12.35 | 15.26 | 4.72 | 14.04 | 900 |
| | T65BR010 | | 45 TON LOCOMOTIVE, PLANETARY DR 42" GAUGE, 1125 TON CAP SCH. #31 | 375 HP D | 243,034 | 54.12 | 13.12 | 16.20 | 5.02 | 14.04 | 900 |
| | 0.90 OTHER TUNNELING EQUIPMENT | | | | | | | | | | |
| | | ANDERSON TUNNELING | | | | | | | | | |
| | T65AT007 | | BRIDGE CONVEYOR | 25 HP E | 53,243 | 14.06 | 3.25 | 4.26 | 1.12 | 1.40 | 22 |
| | T65AT008 | | SLEWING BELT CONVEYOR | 16 HP E | 73,997 | 17.39 | 4.51 | 5.92 | 1.55 | 0.90 | 11 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DOSCO | | | | | | | | | |
| | T65DO007 | 24HC | DUST EXTRACTOR, 11,653 CFM CAP 77 LBS/HR DUST LOADING | 50 HP E | 47,928 | 14.37 | 2.93 | 3.83 | 1.01 | 2.80 | 37 |
| | T65DO008 | 30HC | DUST EXTRACTOR, 21,188 CFM CAP 187 LBS/HR DUST LOADING | 75 HP E | 65,377 | 20.25 | 3.99 | 5.23 | 1.37 | 4.20 | 64 |
| | | DRESSER INDUSTRIES | | | | | | | | | |
| | T65DR004 | 5010 | CONTINUOUS HAULAGE SYSTEM, WITH BRIDGE CONVEYOR | 60 HP E | 478,344 | 102.44 | 29.18 | 38.27 | 10.04 | 3.36 | 233 |
| | T65DR005 | 94L/506C5 | CONTINUOUS HAULAGE SYSTEM, WITH BRIDGE CONVEYOR | 52 HP E | 334,647 | 72.96 | 20.41 | 26.77 | 7.02 | 2.91 | 156 |
| | | EIMCO (EJC) | | | | | | | | | |
| | T65EI014 | EJC 955 | UTILITY VEHICLE, W/SCISSOR LIFT 3,000 LB PAYLOAD | 40 HP D | 62,580 | 14.79 | 3.76 | 4.89 | 1.31 | 1.50 | 60 |
| | T65EI015 | EKC 975A | UTILITY VEHICLE, W/FLATBED | 90 HP D | 74,107 | 19.59 | 4.48 | 5.83 | 1.56 | 3.37 | 100 |
| | | FLETCHER MINING | | | | | | | | | |
| | T65FL006 | | RAIL RANGER, 15-16 PERSON, RAIL TRACK MOUNTED | 55 HP D | 60,745 | 14.94 | 3.70 | 4.86 | 1.27 | 2.06 | 150 |
| | | TELEDYNE | | | | | | | | | |
| | T65TL001 | TM17HD-1425X | MOBILE ROCK BREAKER, 5500 FT LB (WITH CARRIER ENGINE) | 120 HP D<br>86 HP D | 283,602 | 64.16 | 17.21 | 22.51 | 5.95 | 5.07 | 390 |
| | T65TL002 | DS-25 | MOBILE SCALER, 750 FT LB (WITH CARRIER ENGINE) | 84 HP D<br>86 HP D | 196,113 | 44.82 | 11.88 | 15.51 | 4.12 | 3.72 | 330 |
| | T65TL003 | | ANFO EXPLOS. LDR VEH, 1200LB CAP (WITH CARRIER ENGINE) | 84 HP D<br>86 HP D | 152,993 | 36.18 | 9.24 | 12.06 | 3.21 | 3.72 | 280 |
| | T65TL004 | MIGHTY MOVER | FORKLIFT TRANSPORTER, 9000LB CAP (WITH CARRIER ENGINE) | 84 HP D<br>86 HP D | 149,661 | 35.52 | 9.04 | 11.80 | 3.14 | 3.72 | 310 |
| | T65TL005 | | HVY DUTY SCISSOR LIFT 6000LB CAP (WITH CARRIER ENGINE) | 84 HP D<br>86 HP D | 116,921 | 28.95 | 7.04 | 9.18 | 2.45 | 3.72 | 280 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **W10** | **WAGONS, BOTTOM DUMP** | | | | | | | | | | |
| | | | CATERPILLAR-ATHEY | | | | | | | | |
| | W10CE001 | 621/PW621E | 22-27 CY, 30 TON, POWERSHIFT | 330 HP D | 333,049 | 75.14 | 17.37 | 21.46 | 6.64 | 11.40 | 579 |
| | W10CE002 | 768/PW768C | 42-48 CY, 57 TON, POWERSHIFT | 450 HP D | 477,352 | 106.05 | 24.74 | 30.43 | 9.52 | 15.55 | 935 |
| | W10CE003 | 772/PW772B | 60-67 CY, 91 TON, POWERSHIFT | 650 HP D | 727,463 | 160.21 | 37.52 | 46.01 | 14.51 | 22.46 | 1,360 |
| **W15** | **WAGONS, REAR DUMP** | | | | | | | | | | |
| | | | CATERPILLAR-ATHEY | | | | | | | | |
| | W15CE001 | 621/PR621E | 22-26 CY, 30 TON, POWERSHIFT | 330 HP D | 350,173 | 75.80 | 18.39 | 22.79 | 6.99 | 11.40 | 630 |
| | W15CE002 | 631/PR631E | 27-32 CY, 36 TON, POWERSHIFT | 450 HP D | 493,294 | 104 60 | 25.19 | 30.69 | 9.84 | 15.55 | 833 |
| **W25** | **WATER & CO2 BLASTERS** | | | | | | | | | | |
| | 0.10 | LOW PRESSURE, | ( < 5,000 PSI) | | | | | | | | |
| | | | ACE ENTERPRISES | | | | | | | | |
| | W25AC001 | 4030 BG | HIGH PRES DIR DR, 4.0 GPM,3,000 PSI | 11 HP G | 3,139 | 3.84 | 0.38 | 0.60 | 0.08 | 1.65 | 2 |
| | W25AC002 | B4030 BG | HIGH PRES BELT DR,4.0 GPM,3,000 PSI | 11 HP G | 3,339 | 3.95 | 0.40 | 0.64 | 0.08 | 1.65 | 2 |
| | W25AC003 | 5535 BG | HIGH PRES DIR DR, 5.5 GPM,3,000 PSI | 18 HP G | 4,754 | 6.09 | 0.57 | 0.92 | 0.11 | 2.70 | 2 |
| | W25AC004 | B5535 BG | HIGH PRES BELT DR,5.5 GPM,3,000 PSI | 18 HP G | 5,031 | 6.26 | 0.61 | 0.98 | 0.12 | 2.70 | 2 |
| | | | ATLANTIC | | | | | | | | |
| | W25AN001 | E200 | COLD WATER, 1,800 PSI | 5 HP E | 2,446 | 2.20 | 0.31 | 0.49 | 0.06 | 0.38 | 2 |
| | W25AN002 | 2000 | HOT WATER, 1,800 PSI | 5 HP E | 3,843 | 2.98 | 0.48 | 0.77 | 0.09 | 0.38 | 2 |
| | W25AN003 | H320 | COLD WATER, 3,200 PSI | 11 HP G | 2,945 | 3.78 | 0.37 | 0.59 | 0.07 | 1.65 | 2 |
| | W25AN004 | 3200 | HOT WATER, 3,200 PSI | 11 HP G | 4,838 | 4.85 | 0.61 | 0.97 | 0.12 | 1.65 | 2 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CDS GROUP | | | | | | | | | |
| | W25CD001 | 16W | ACCUSTRIP WET ABRASIVE BLASTER 6 CF, 1 NOZ (ADD COMPRESSOR) | 1,600 CFM A | 15,451 | 9.24 | 1.92 | 3.09 | 0.37 | 0.00 | 12 |
| | W25CD002 | 220 | ACCUSTRIP WET ABRASIVE BLASTER 20 CF, 2 NOZ (ADD COMPRESSOR) | 1,600 CFM A | 25,724 | 15.29 | 3.19 | 5.14 | 0.62 | 0.00 | 19 |
| | | HOMELITE | | | | | | | | | |
| | W25HO001 | HPW2000B | PRESSURE WASHER, 4.0 GPM, 2,000 PSI | 9 HP D | 1,700 | 1.57 | 0.21 | 0.34 | 0.04 | 0.46 | 2 |
| | W25HO002 | HPW3000B | PRESSURE WASHER, 5.4 GPM, 3,000 PSI | 13 HP D | 2,896 | 2.52 | 0.36 | 0.58 | 0.07 | 0.66 | 2 |
| | | NLB CORP | | | | | | | | | |
| | W25NL001 | NLB 6200E | WATER BLASTING PUMPING UNIT 50 GMP AT 1000-6000 PSI, 50 LF HOSE ADJUSTABLE DISCHARGE | 200 HP E | 52,895 | 52.23 | 6.57 | 10.58 | 1.28 | 15.20 | 118 |
| 0.20 | HIGH PRESSURE, (>= 5,000 PSI) | | | | | | | | | | |
| | | NLB CORP | | | | | | | | | |
| | W25NL002 | 20250 | WATER BLASTER, SKID MOUNTED ADD TRUCK, FLATBED TRAILER, AND WATER TANKER | 335 HP D | 93,032 | 60.20 | 8.28 | 12.40 | 2.08 | 17.04 | 140 |
| | W25NL003 | NLB 20156E | WATER BLASTING PUMPING UNIT 13.2 GMP AT 20,000 PSI, 50 LF HOSE W/CLEANING LANCE, SKID MOUNTED | 150 HP D | 62,646 | 35.44 | 5.58 | 8.35 | 1.40 | 7.63 | 78 |
| | W25NL004 | 4400 | SPIN JET, ADD 2 WATER BLASTER PUMP PACKS | 40 HP D | 121,433 | 51.64 | 10.74 | 16.03 | 2.72 | 2.04 | 80 |
| | | WEATHERFORD/AMERICAN AERO | | | | | | | | | |
| | W25WE001 | WBE 50TEFC | 7 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED | 50 HP E | 31,134 | 18.62 | 2.76 | 4.11 | 0.70 | 3.80 | 27 |
| | W25WE002 | WBE 75TEFC | 10 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED | 75 HP E | 33,840 | 22.75 | 3.00 | 4.47 | 0.76 | 5.70 | 29 |
| | W25WE003 | WBD 90 | 10 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED | 91 HP D | 43,491 | 23.68 | 3.85 | 5.76 | 0.97 | 4.63 | 34 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | W25WE004 | WBE 150TEFC | 20 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED | 150 HP E | 51,425 | 38.98 | 4.56 | 6.82 | 1.15 | 11.40 | 39 |
| | W25WE005 | WBD150 | 20 GPM AT 10,000 PSI WITH 2 NOZZLES TRAILER MOUNTED | 160 HP D | 62,750 | 36.12 | 5.57 | 8.33 | 1.40 | 8.14 | 59 |
| | W25WE006 | WBD200 | 20 GPM AT 16,000 PSI WITH 2 NOZZLES TRAILER MOUNTED | 240 HP D | 70,943 | 44.78 | 6.28 | 9.37 | 1.59 | 12.21 | 84 |
| | W25WE007 | WBD200T | 16 GPM AT 20,000 PSI WITH 2 NOZZLES TRAILER MOUNTED | 230 HP D | 81,746 | 48.44 | 7.23 | 10.79 | 1.83 | 11.70 | 98 |
| 0.30 | STEAM CLEANERS | | | | | | | | | | |
| | | ALKOTA | | | | | | | | | |
| | W25AO001 | 90 | 90 GPH, 200 PSI | 1 HP E | 2,108 | 1.81 | 0.26 | 0.42 | 0.05 | 0.08 | 4 |
| | W25AO002 | 120 | 130 GPH, 325 PSI | 1 HP E | 2,368 | 2.21 | 0.30 | 0.47 | 0.06 | 0.08 | 4 |
| | W25AO003 | 181 | 180 GPH, 250 PSI | 1 HP E | 3,435 | 2.81 | 0.43 | 0.69 | 0.08 | 0.08 | 5 |
| | W25AO004 | 240 | 240 GPH, 250 PSI | 2 HP E | 3,463 | 3.17 | 0.43 | 0.69 | 0.08 | 0.15 | 6 |
| | W25AO005 | 301T | 300 GPH, 100 PSI | 4 HP E | 7,273 | 6.05 | 0.91 | 1.45 | 0.18 | 0.30 | 10 |
| | W25AO006 | 246 | STEAM GENERATOR, 100 PSI | 1 HP E | 4,793 | 3.59 | 0.60 | 0.96 | 0.12 | 0.08 | 6 |
| 0.40 | CO2 BLASTERS | | | | | | | | | | |
| | | COLD JFT | | | | | | | | | |
| | W25CJ001 | 65-100 | CO2 BLASTER 1000 LBS/HR SINGLE HOSE DELIVERY (ADD COMPR) | 20 HP E | 161,334 | 46.41 | 11.54 | 16.13 | 3.47 | 1.12 | 38 |
| | W25CJ002 | 65-150 | CO2 BLASTER 1500 LBS/HR SINGLE HOSE DELIVERY (ADD COMPR) | 24 HP E | 220,053 | 63.02 | 15.75 | 22.01 | 4.74 | 1.34 | 47 |
| | W25CJ003 | 65-200 | CO2 BLASTER 1500 LBS/HR DUAL HOSE DELIVERY (ADD COMPR) | 24 HP E | 255,338 | 72.77 | 18.27 | 25.53 | 5.50 | 1.34 | 47 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | ADJUSTABLE ELEMENTS OWNERSHIP FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **W30** | **WATER TANKS** | | | | | | | | | | |
| | 0.10 | PORTABLE W/ WHEELS | | | | | | | | | |
| | | | SOUTHWEST | | | | | | | | |
| | W30SO001 | EWT-8C | 8000 GAL., 10" DISCHG PIPE, MOBILE | 8 HP G | 36,977 | 6.67 | 1.95 | 2.37 | 0.76 | 0.82 | 130 |
| | W30SO002 | EWT-10C | 10000 GAL., 10" DISCHG PIPE, MOBILE | 8 HP G | 44,369 | 7.78 | 2.35 | 2.86 | 0.92 | 0.82 | 170 |
| | W30SO003 | EWT-12C | 12000 GAL., 10" DISCHG PIPE, MOBILE | 8 HP G | 48,285 | 8.36 | 2.56 | 3.12 | 1.00 | 0.82 | 185 |
| | 0.20 | SKID MOUNTED | | | | | | | | | |
| | | | SOUTHWEST | | | | | | | | |
| | W30SO004 | WST-8 | 8000 GAL. STAND-TOWER TANK,10"PIPE | | 24,057 | 3.35 | 1.30 | 1.60 | 0.50 | 0.00 | 107 |
| | W30SO005 | WST-10 | 10000 GAL. STAND-TOWER TANK,10"PIPE | | 26,906 | 3.75 | 1.46 | 1.79 | 0.56 | 0.00 | 122 |
| | W30SO006 | WST-12 | 12000 GAL. STAND-TOWER TANK,10"PIPE | | 31,059 | 4.32 | 1.68 | 2.07 | 0.64 | 0.00 | 142 |
| **W35** | **WELDERS** | | | | | | | | | | |
| | 0.10 | GASOLINE or DIESEL DRIVE | | | | | | | | | |
| | | | HOMELITE | | | | | | | | |
| | W35HO001 | HWG135 | 135 AMP, PORTABLE | 7 HP G | 1,273 | 1.43 | 0.09 | 0.11 | 0.03 | 0.89 | 1 |
| | W35HO002 | HWG180 | 180 AMP, PORTABLE | 11 HP G | 1,722 | 2.18 | 0.12 | 0.15 | 0.04 | 1.40 | 1 |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | | |
| | W35XX001 | | 250 AMP WITH 1 AXLE TRLR | 27 HP D | 8,118 | 3.34 | 0.53 | 0.69 | 0.18 | 1.17 | 21 |
| | W35XX002 | | 200 AMP WITH 1 AXLE TRLR | 39 HP G | 5,882 | 7.66 | 0.38 | 0.49 | 0.13 | 4.95 | 11 |
| | W35XX003 | | 300 AMP WITH 1 AXLE TRLR | 38 HP D | 8,654 | 4.07 | 0.57 | 0.73 | 0.20 | 1.64 | 21 |
| | W35XX004 | | 250 AMP WITH 1 AXLE TRLR | 39 HP G | 6,286 | 7.77 | 0.41 | 0.53 | 0.14 | 4.95 | 17 |
| | W35XX005 | | 350 AMP WITH 2 AXLE TRLR | 38 HP D | 9,758 | 4.30 | 0.63 | 0.81 | 0.22 | 1.64 | 25 |
| | W35XX006 | | 300 AMP WITH 1 AXLE TRLR | 65 HP G | 6,806 | 12.11 | 0.44 | 0.57 | 0.15 | 8.25 | 17 |

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

| CAT | ID. NO. | MODEL | EQUIPMENT DESCRIPTION | | VALUE (TEV) 1990 ($) | TOTAL HOURLY RATES ($/HR) AVERAGE | TOTAL HOURLY RATES ($/HR) STANDBY | ADJUSTABLE ELEMENTS OWNERSHIP DEPR | ADJUSTABLE ELEMENTS OWNERSHIP FCCM | FUEL | CWT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | W35XX007 | | 400 AMP WITH 2 AXLE TRLR | 64 HP D | 10,607 | 5.93 | 0.68 | 0.88 | 0.24 | 2.76 | 30 |
| | W35XX008 | | 400 AMP WITH 1 AXLE TRLR | 69 HP G | 8,652 | 13.19 | 0.57 | 0.73 | 0.20 | 8.76 | 21 |
| | 0.20 ELECTRICAL | | | | | | | | | | |
| | 0.21 ELECTRIC DRIVE | | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | | |
| | W35XX009 | | 300 AMP, SKID MTD | 20 HP E | 2,960 | 2.16 | 0.26 | 0.37 | 0.07 | 0.96 | 7 |
| | W35XX010 | | 400 AMP, SKID MTD | 25 HP E | 3,549 | 2.65 | 0.30 | 0.44 | 0.08 | 1.20 | 9 |
| | 0.22 MIG | | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | | |
| | W35XX011 | | 300 AMP WITH WIRE FEED & SHOP GEAR | 10 HP E | 2,977 | 1.45 | 0.26 | 0.37 | 0.07 | 0.48 | 5 |
| | W35XX012 | | 450 AMP WITH WIRE FEED & SHOP GEAR | 20 HP E | 3,059 | 2.18 | 0.26 | 0.38 | 0.07 | 0.96 | 5 |
| | 0.23 RECTIFIER | | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | | |
| | W35XX013 | | 200 AMP WITH SHOP RUNNING GEAR | 19 HP E | 1,376 | 1.68 | 0.12 | 0.17 | 0.03 | 0.91 | 4 |
| | W35XX014 | | 300 AMP WITH SHOP RUNNING GEAR | 24 HP E | 1,780 | 2.13 | 0.15 | 0.22 | 0.04 | 1.15 | 6 |
| | W35XX015 | | 750 AMP WITH SHOP RUNNING GEAR | 30 HP E | 4,713 | 3.30 | 0.41 | 0.59 | 0.11 | 1.44 | 7 |
| | W35XX016 | | 1000 AMP WITH SHOP RUNNING GEAR | 42 HP E | 8,216 | 5.03 | 0.71 | 1.03 | 0.19 | 2.02 | 10 |
| | 0.24 TRANSFORMER | | | | | | | | | | |
| | | | NO SPECIFIC MANUFACTURER | | | | | | | | |
| | W35XX017 | | 250 AMP WITH SHOP RUNNING GEAR | 19 HP E | 669 | 1.51 | 0.06 | 0.08 | 0.02 | 0.91 | 4 |
| | W35XX018 | | 300 AMP WITH SHOP RUNNING GEAR | 24 HP E | 2,108 | 2.22 | 0.18 | 0.26 | 0.05 | 1.15 | 6 |

TABLE 2-2. HOURLY RATE ELEMENTS

| | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID.NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |

# HOURLY RATE ELEMENTS

**This table contains all hourly rate elements as described in Chapter 2.**

**See Chapter 2, paragraph 2-3 for definitions.**

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | SEVERE OPERATING CONDITIONS DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A10 | | | | | | | | | | | | | | | | | |
| | A10AR001 | 0.39 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.83 | | | | | | | | |
| | A10AR002 | 0.79 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 | 1.67 | | | | | | | | |
| | A10ET001 | 5.73 | 1.54 | 4.09 | 1.15 | 0.26 | 0.05 | 6.81 | 19.63 | | | | | | | | |
| | A10ET002 | 5.98 | 1.60 | 5.11 | 1.43 | 0.26 | 0.05 | 7.10 | 21.53 | | | | | | | | |
| | A10ET003 | 6.49 | 1.73 | 4.09 | 1.15 | 0.26 | 0.05 | 7.71 | 21.48 | | | | | | | | |
| | A10ET004 | 6.75 | 1.80 | 5.11 | 1.43 | 0.26 | 0.05 | 8.02 | 23.42 | | | | | | | | |
| | A10RS001 | 5.27 | 1.41 | 4.09 | 1.15 | 0.26 | 0.05 | 6.26 | 18.49 | | | | | | | | |
| | A10RS002 | 5.37 | 1.44 | 4.09 | 1.15 | 0.26 | 0.05 | 6.38 | 18.74 | | | | | | | | |
| A15 | | | | | | | | | | | | | | | | | |
| | A15CJ001 | 1.76 | 0.54 | 9.10 | 4.79 | 0.00 | 0.00 | 1.71 | 17.90 | | | | | | | | |
| | A15CJ002 | 3.94 | 1.22 | 18.20 | 9.58 | 0.00 | 0.00 | 3.84 | 36.78 | | | | | | | | |
| | A15XX001 | 0.98 | 0.29 | 5.13 | 1.92 | 0.04 | 0.01 | 1.18 | 9.55 | | | | | | | | |
| | A15XX002 | 1.18 | 0.35 | 1.21 | 0.40 | 0.04 | 0.01 | 1.42 | 4.61 | | | | | | | | |
| | A15XX003 | 1.20 | 0.35 | 6.66 | 2.49 | 0.04 | 0.01 | 1.45 | 12.20 | | | | | | | | |
| | A15XX004 | 1.28 | 0.37 | 1.76 | 0.58 | 0.04 | 0.01 | 1.54 | 5.58 | | | | | | | | |
| | A15XX005 | 1.31 | 0.38 | 7.18 | 2.69 | 0.04 | 0.01 | 1.58 | 13.19 | | | | | | | | |
| | A15XX006 | 1.49 | 0.44 | 2.25 | 0.74 | 0.04 | 0.01 | 1.79 | 6.76 | | | | | | | | |
| | A15XX007 | 1.36 | 0.40 | 7.18 | 2.69 | 0.04 | 0.01 | 1.63 | 13.31 | | | | | | | | |
| | A15XX008 | 1.60 | 0.47 | 2.59 | 0.85 | 0.04 | 0.01 | 1.92 | 7.48 | | | | | | | | |
| | A15XX009 | 2.24 | 0.65 | 3.28 | 1.08 | 0.04 | 0.01 | 2.69 | 9.99 | | | | | | | | |
| | A15XX010 | 2.92 | 0.86 | 3.87 | 1.27 | 0.13 | 0.02 | 3.52 | 12.59 | | | | | | | | |
| | A15XX011 | 4.19 | 1.23 | 5.18 | 1.70 | 0.13 | 0.02 | 5.04 | 17.49 | | | | | | | | |
| | A15XX012 | 4.65 | 1.37 | 6.91 | 2.26 | 0.19 | 0.03 | 5.60 | 21.01 | | | | | | | | |
| | A15XX013 | 5.40 | 1.59 | 8.29 | 2.72 | 0.19 | 0.03 | 6.51 | 24.73 | | | | | | | | |
| | A15XX014 | 6.08 | 1.78 | 8.99 | 2.94 | 0.19 | 0.03 | 7.32 | 27.33 | | | | | | | | |
| | A15XX015 | 8.58 | 2.51 | 11.23 | 3.68 | 0.19 | 0.03 | 10.32 | 36.54 | | | | | | | | |
| | A15XX016 | 9.64 | 2.81 | 13.65 | 4.47 | 0.19 | 0.03 | 11.58 | 42.37 | | | | | | | | |
| | A15XX017 | 10.13 | 2.95 | 15.76 | 5.16 | 0.19 | 0.03 | 12.18 | 46.40 | | | | | | | | |
| A20 | | | | | | | | | | | | | | | | | |
| | A20CM001 | 0.35 | 0.04 | 0.00 | 0.06 | 0.00 | 0.00 | 0.78 | 1.23 | | | | | | | | |
| | A20CM002 | 0.62 | 0.07 | 0.00 | 0.06 | 0.00 | 0.00 | 1.38 | 2.13 | | | | | | | | |
| | A20CM003 | 0.67 | 0.08 | 0.00 | 0.06 | 0.00 | 0.00 | 1.51 | 2.32 | | | | | | | | |
| | A20CM004 | 0.91 | 0.11 | 0.00 | 0.13 | 0.00 | 0.00 | 2.05 | 3.20 | | | | | | | | |
| | A20CM005 | 2.38 | 0.29 | 0.00 | 0.13 | 0.00 | 0.00 | 5.34 | 8.14 | | | | | | | | |
| | A20CM006 | 2.78 | 0.34 | 0.00 | 0.28 | 0.06 | 0.01 | 6.29 | 9.76 | | | | | | | | |
| | A20CM007 | 3.38 | 0.43 | 0.00 | 0.41 | 0.17 | 0.03 | 7.70 | 12.12 | | | | | | | | |
| | A20CM008 | 3.54 | 0.46 | 0.00 | 0.51 | 0.19 | 0.03 | 8.08 | 12.81 | | | | | | | | |
| | A20CM009 | 2.12 | 0.26 | 0.00 | 0.30 | 0.00 | 0.00 | 4.77 | 7.45 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | A20GD001 | 0.16 | 0.02 | 0.00 | 0.06 | 0.00 | 0.00 | 0.36 | 0.60 | | | | | | | | |
| | A20GD002 | 0.38 | 0.05 | 0.00 | 0.11 | 0.00 | 0.00 | 0.85 | 1.39 | | | | | | | | |
| | A20GD003 | 0.40 | 0.05 | 0.00 | 0.11 | 0.00 | 0.00 | 0.89 | 1.45 | | | | | | | | |
| | A20GD004 | 0.19 | 0.02 | 0.00 | 0.06 | 0.00 | 0.00 | 0.44 | 0.71 | | | | | | | | |
| | A20GD005 | 0.22 | 0.03 | 0.00 | 0.06 | 0.00 | 0.00 | 0.48 | 0.79 | | | | | | | | |
| | A20GD006 | 0.72 | 0.09 | 0.00 | 0.13 | 0.00 | 0.00 | 1.63 | 2.57 | | | | | | | | |
| | A20WC001 | 0.23 | 0.03 | 0.00 | 0.11 | 0.00 | 0.00 | 0.51 | 0.88 | | | | | | | | |
| | A20WC002 | 0.30 | 0.04 | 0.10 | 0.19 | 0.00 | 0.00 | 0.67 | 1.30 | | | | | | | | |
| | A20WC003 | 0.74 | 0.09 | 0.41 | 0.15 | 0.00 | 0.00 | 1.65 | 3.04 | | | | | | | | |
| | A20WC004 | 0.75 | 0.09 | 0.41 | 0.15 | 0.00 | 0.00 | 1.68 | 3.08 | | | | | | | | |
| | A20XX001 | 0.13 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.41 | | | | | | | | |
| | A20XX002 | 0.15 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.45 | | | | | | | | |
| | A20XX003 | 0.18 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.56 | | | | | | | | |
| | A20XX004 | 0.21 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 0.65 | | | | | | | | |
| | A20XX005 | 0.30 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.59 | 0.92 | | | | | | | | |
| | A20XX006 | 0.35 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 1.08 | | | | | | | | |
| | A20XX007 | 0.72 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 2.23 | | | | | | | | |
| | A20XX008 | 1.09 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 2.17 | 3.36 | | | | | | | | |
| | A20XX009 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.14 | | | | | | | | |
| | A20XX010 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.15 | | | | | | | | |
| | A20XX011 | 0.12 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.36 | | | | | | | | |
| | A20XX012 | 0.15 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.29 | 0.45 | | | | | | | | |
| | A20XX013 | 0.17 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.54 | | | | | | | | |
| | A20XX014 | 0.26 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 0.79 | | | | | | | | |
| | A20XX015 | 0.33 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.66 | 1.02 | | | | | | | | |
| | A20XX016 | 0.48 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 1.48 | | | | | | | | |
| | A20XX017 | 0.11 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.36 | | | | | | | | |
| | A20XX018 | 0.15 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.49 | | | | | | | | |
| | A20XX019 | 0.19 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.62 | | | | | | | | |
| | A20XX020 | 0.23 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.75 | | | | | | | | |
| A25 | | | | | | | | | | | | | | | | | |
| | A25RS001 | 3.25 | 0.70 | 5.13 | 1.92 | 0.00 | 0.00 | 4.35 | 15.35 | | | | | | | | |
| | A25RS002 | 3.43 | 0.74 | 0.00 | 1.50 | 0.00 | 0.00 | 4.60 | 10.27 | | | | | | | | |
| | A25RS003 | 3.35 | 0.72 | 5.13 | 1.92 | 0.00 | 0.00 | 4.49 | 15.61 | | | | | | | | |
| | A25RS004 | 3.56 | 0.77 | 0.00 | 1.60 | 0.00 | 0.00 | 4.78 | 10.71 | | | | | | | | |
| | A25RS005 | 3.65 | 0.79 | 5.13 | 1.92 | 0.00 | 0.00 | 4.90 | 16.39 | | | | | | | | |
| | A25RS006 | 3.85 | 0.83 | 0.00 | 1.70 | 0.00 | 0.00 | 5.16 | 11.54 | | | | | | | | |
| | A25RS007 | 3.98 | 0.86 | 5.13 | 1.92 | 0.00 | 0.00 | 5.34 | 17.23 | | | | | | | | |
| | A25RS008 | 4.45 | 0.96 | 0.00 | 1.80 | 0.00 | 0.00 | 5.97 | 13.18 | | | | | | | | |
| A30 | | | | | | | | | | | | | | | | | |
| | A30BG001 | 13.99 | 3.74 | 3.73 | 1.22 | 0.57 | 0.10 | 22.15 | 45.50 | | | | | | | | |
| | A30BG002 | 16.83 | 4.53 | 3.97 | 1.30 | 1.01 | 0.18 | 26.69 | 54.51 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | A30BG003 | 18.37 | 4.96 | 5.36 | 1.75 | 1.28 | 0.22 | 29.15 | 61.09 | | | | | | | | |
| | A30BG004 | 16.42 | 4.31 | 3.73 | 1.22 | 0.00 | 0.00 | 25.91 | 51.59 | | | | | | | | |
| | A30BG005 | 19.42 | 5.10 | 5.36 | 1.75 | 0.00 | 0.00 | 30.64 | 62.27 | | | | | | | | |
| | A30BG006 | 20.98 | 5.50 | 6.91 | 2.26 | 0.00 | 0.00 | 33.09 | 68.74 | | | | | | | | |
| | A30BK003 | 12.13 | 3.28 | 2.56 | 0.84 | 0.92 | 0.16 | 19.25 | 39.14 | | | | | | | | |
| | A30BK005 | 16.71 | 4.51 | 4.08 | 1.34 | 1.18 | 0.21 | 26.51 | 54.54 | | | | | | | | |
| | A30BK007 | 16.10 | 4.22 | 3.80 | 1.25 | 0.00 | 0.00 | 25.40 | 50.77 | | | | | | | | |
| | A30BK008 | 19.24 | 5.05 | 5.46 | 1.79 | 0.00 | 0.00 | 30.35 | 61.89 | | | | | | | | |
| | A30CA001 | 3.35 | 0.88 | 1.21 | 0.40 | 0.00 | 0.00 | 5.29 | 11.13 | | | | | | | | |
| | A30CA002 | 13.18 | 3.56 | 3.53 | 1.15 | 0.96 | 0.17 | 20.92 | 43.47 | | | | | | | | |
| | A30CA004 | 20.24 | 5.45 | 5.01 | 1.64 | 1.31 | 0.23 | 32.09 | 65.97 | | | | | | | | |
| | A30IN001 | 32.73 | 8.59 | 7.85 | 2.57 | 0.00 | 0.00 | 51.64 | 103.38 | | | | | | | | |
| | A30IN002 | 9.19 | 2.41 | 0.00 | 1.50 | 0.00 | 0.00 | 14.49 | 27.59 | | | | | | | | |
| | A30IN003 | 12.79 | 3.36 | 0.00 | 1.75 | 0.00 | 0.00 | 20.18 | 38.08 | | | | | | | | |
| | A30IN004 | 14.49 | 3.80 | 0.00 | 2.00 | 0.00 | 0.00 | 22.85 | 43.14 | | | | | | | | |
| | A30LA001 | 1.70 | 0.46 | 1.44 | 1.04 | 0.09 | 0.02 | 2.16 | 6.91 | | | | | | | | |
| | A30LA002 | 2.30 | 0.61 | 1.44 | 1.04 | 0.09 | 0.02 | 2.91 | 8.41 | | | | | | | | |
| A35 | | | | | | | | | | | | | | | | | |
| | A35AE001 | 0.42 | 0.07 | 0.00 | 1.00 | 0.03 | 0.01 | 0.54 | 2.07 | | | | | | | | |
| | A35AE002 | 0.47 | 0.08 | 0.00 | 1.25 | 0.03 | 0.01 | 0.59 | 2.43 | | | | | | | | |
| | A35AE003 | 0.60 | 0.10 | 0.00 | 1.35 | 0.03 | 0.01 | 0.76 | 2.85 | | | | | | | | |
| | A35AE004 | 0.77 | 0.13 | 0.00 | 1.55 | 0.03 | 0.01 | 0.97 | 3.46 | | | | | | | | |
| | A35AE005 | 0.88 | 0.16 | 0.00 | 2.00 | 0.09 | 0.02 | 1.14 | 4.29 | | | | | | | | |
| | A35RS001 | 0.60 | 0.10 | 0.00 | 1.20 | 0.03 | 0.01 | 0.76 | 2.70 | | | | | | | | |
| | A35RS002 | 0.73 | 0.13 | 0.00 | 1.50 | 0.03 | 0.01 | 0.93 | 3.33 | | | | | | | | |
| A40 | | | | | | | | | | | | | | | | | |
| | A40CA001 | 5.56 | 1.52 | 2.66 | 0.87 | 0.58 | 0.10 | 8.85 | 20.14 | | | | | | | | |
| | A40CA002 | 9.57 | 2.55 | 3.11 | 1.02 | 0.38 | 0.07 | 15.15 | 31.85 | | | | | | | | |
| | A40CA004 | 27.55 | 7.23 | 15.55 | 5.09 | 0.00 | 0.00 | 43.45 | 98.87 | | | | | | | | |
| | A40CA005 | 38.75 | 10.17 | 25.92 | 8.49 | 0.00 | 0.00 | 61.13 | 144.46 | | | | | | | | |
| | A40CA006 | 48.90 | 12.83 | 34.56 | 11.32 | 0.00 | 0.00 | 77.14 | 184.75 | | | | | | | | |
| | A40IN001 | 8.33 | 2.21 | 4.22 | 1.38 | 0.22 | 0.04 | 13.17 | 29.57 | | | | | | | | |
| | A40IN002 | 8.73 | 2.31 | 4.22 | 1.38 | 0.22 | 0.04 | 13.80 | 30.70 | | | | | | | | |
| | A40IN003 | 10.82 | 2.86 | 4.84 | 1.59 | 0.22 | 0.04 | 17.10 | 37.47 | | | | | | | | |
| | A40IN004 | 21.93 | 5.78 | 13.82 | 4.53 | 0.22 | 0.04 | 34.63 | 80.95 | | | | | | | | |
| | A40IN005 | 25.81 | 6.77 | 13.82 | 4.53 | 0.00 | 0.00 | 40.71 | 91.64 | | | | | | | | |
| | A40IN006 | 32.07 | 8.41 | 18.14 | 5.94 | 0.00 | 0.00 | 50.59 | 115.15 | | | | | | | | |
| A45 | | | | | | | | | | | | | | | | | |
| | A45AE001 | 0.80 | 0.17 | 0.00 | 1.50 | 0.03 | 0.01 | 1.13 | 3.64 | | | | | | | | |
| | A45AE002 | 1.43 | 0.31 | 0.00 | 2.50 | 0.03 | 0.01 | 2.03 | 6.31 | | | | | | | | |
| | A45AE003 | 1.68 | 0.37 | 0.00 | 3.00 | 0.03 | 0.01 | 2.40 | 7.49 | | | | | | | | |
| | A45SE001 | 1.04 | 0.23 | 1.85 | 1.69 | 0.03 | 0.01 | 1.48 | 6.33 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | SEVERE OPERATING CONDITIONS DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A45SE002 | 1.41 | 0.31 | 2.05 | 2.02 | 0.03 | 0.01 | 2.01 | 7.84 | | | | | | | | |
| | A45SE003 | 1.98 | 0.44 | 3.08 | 3.15 | 0.16 | 0.03 | 2.84 | 11.68 | | | | | | | | |
| | A45SE004 | 1.56 | 0.36 | 0.00 | 0.50 | 0.16 | 0.03 | 2.24 | 4.85 | | | | | | | | |
| B10 | | | | | | | | | | | | | | | | | |
| | B10CC001 | 2.20 | 0.53 | 0.52 | 2.27 | 0.00 | 0.00 | 3.27 | 8.79 | | | | | | | | |
| | B10CC002 | 2.87 | 0.69 | 0.78 | 2.91 | 0.00 | 0.00 | 4.26 | 11.51 | | | | | | | | |
| | B10CC003 | 3.59 | 0.86 | 1.30 | 4.18 | 0.00 | 0.00 | 5.33 | 15.26 | | | | | | | | |
| | B10CC004 | 4.34 | 1.04 | 1.56 | 4.82 | 0.00 | 0.00 | 6.45 | 18.21 | | | | | | | | |
| | B10CC005 | 4.56 | 1.09 | 2.60 | 5.87 | 0.00 | 0.00 | 6.77 | 20.89 | | | | | | | | |
| | B10CC006 | 10.12 | 2.42 | 2.08 | 6.10 | 0.00 | 0.00 | 15.02 | 35.74 | | | | | | | | |
| | B10CC007 | 2.86 | 0.70 | 1.85 | 3.69 | 0.10 | 0.02 | 4.25 | 13.47 | | | | | | | | |
| | B10CC008 | 5.48 | 1.38 | 16.71 | 9.76 | 0.80 | 0.14 | 8.19 | 42.46 | | | | | | | | |
| | B10CC009 | 7.38 | 1.88 | 20.50 | 11.43 | 1.33 | 0.23 | 11.06 | 53.81 | | | | | | | | |
| | B10CC010 | 7.95 | 2.01 | 20.50 | 11.68 | 1.33 | 0.23 | 11.91 | 55.61 | | | | | | | | |
| | B10CC011 | 1.67 | 0.40 | 1.04 | 1.55 | 0.00 | 0.00 | 2.47 | 7.13 | | | | | | | | |
| | B10CC012 | 1.17 | 0.28 | 1.85 | 1.44 | 0.00 | 0.00 | 1.73 | 6.47 | | | | | | | | |
| | B10CC013 | 1.51 | 0.36 | 1.85 | 1.49 | 0.00 | 0.00 | 2.24 | 7.45 | | | | | | | | |
| | B10CC014 | 0.51 | 0.12 | 0.26 | 0.64 | 0.00 | 0.00 | 0.76 | 2.29 | | | | | | | | |
| | B10CL001 | 9.28 | 2.26 | 3.12 | 5.64 | 0.35 | 0.06 | 13.81 | 34.52 | | | | | | | | |
| | B10CL002 | 10.68 | 2.59 | 3.12 | 6.14 | 0.35 | 0.06 | 15.89 | 38.83 | | | | | | | | |
| | B10CL003 | 8.70 | 2.10 | 2.34 | 4.73 | 0.17 | 0.03 | 12.94 | 31.01 | | | | | | | | |
| | B10CL004 | 12.16 | 2.95 | 4.16 | 6.19 | 0.35 | 0.06 | 18.08 | 43.95 | | | | | | | | |
| | B10CL005 | 13.17 | 3.19 | 6.24 | 7.79 | 0.35 | 0.06 | 19.59 | 50.39 | | | | | | | | |
| | B10CL006 | 14.59 | 3.53 | 6.24 | 7.79 | 0.35 | 0.06 | 21.70 | 54.26 | | | | | | | | |
| | B10CL007 | 14.33 | 3.47 | 15.34 | 13.08 | 0.35 | 0.06 | 21.32 | 67.95 | | | | | | | | |
| | B10CL008 | 17.08 | 4.13 | 17.94 | 14.95 | 0.35 | 0.06 | 25.40 | 79.91 | | | | | | | | |
| | B10CL009 | 9.26 | 2.24 | 2.08 | 4.10 | 0.20 | 0.04 | 13.77 | 31.69 | | | | | | | | |
| | B10CL011 | 12.94 | 3.09 | 2.34 | 4.73 | 0.00 | 0.00 | 19.21 | 42.31 | | | | | | | | |
| | B10CL012 | 13.57 | 3.25 | 3.12 | 5.64 | 0.00 | 0.00 | 20.15 | 45.73 | | | | | | | | |
| | B10CL013 | 15.36 | 3.67 | 13.52 | 12.12 | 0.00 | 0.00 | 22.81 | 67.48 | | | | | | | | |
| | B10CL014 | 17.32 | 4.14 | 17.16 | 14.53 | 0.00 | 0.00 | 25.71 | 78.86 | | | | | | | | |
| | B10CL015 | 7.65 | 1.83 | 1.56 | 3.32 | 0.00 | 0.00 | 11.36 | 25.72 | | | | | | | | |
| | B10CL016 | 12.04 | 2.88 | 2.08 | 4.10 | 0.00 | 0.00 | 17.88 | 38.98 | | | | | | | | |
| | B10CL017 | 12.48 | 2.99 | 2.08 | 4.10 | 0.00 | 0.00 | 18.53 | 40.18 | | | | | | | | |
| | B10CL018 | 14.53 | 3.47 | 3.90 | 5.55 | 0.00 | 0.00 | 21.57 | 49.02 | | | | | | | | |
| | B10CL019 | 16.16 | 3.87 | 15.60 | 13.21 | 0.00 | 0.00 | 24.00 | 72.84 | | | | | | | | |
| | B10CL020 | 8.48 | 2.03 | 2.08 | 4.10 | 0.00 | 0.00 | 12.58 | 29.27 | | | | | | | | |
| | B10CL021 | 3.78 | 0.92 | 1.82 | 3.46 | 0.15 | 0.03 | 5.63 | 15.79 | | | | | | | | |
| | B10CL024 | 12.23 | 2.92 | 10.40 | 8.98 | 0.00 | 0.00 | 18.15 | 52.68 | | | | | | | | |
| | B10CL025 | 13.61 | 3.27 | 10.40 | 8.98 | 0.15 | 0.03 | 20.22 | 56.66 | | | | | | | | |
| | B10CL026 | 1.26 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 1.88 | 3.44 | | | | | | | | |
| | B10CL027 | 1.50 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 4.08 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | B10CL028 | 1.78 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 2.64 | 4.85 | | | | | | | | |
| | B10CL029 | 2.08 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 3.09 | 5.67 | | | | | | | | |
| | B10CL030 | 2.78 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 4.12 | 7.56 | | | | | | | | |
| | B10CL031 | 3.97 | 0.95 | 0.00 | 0.00 | 0.00 | 0.00 | 5.90 | 10.82 | | | | | | | | |
| | B10CL032 | 0.28 | 0.07 | 0.52 | 0.77 | 0.00 | 0.00 | 0.41 | 2.05 | | | | | | | | |
| | B10CL033 | 0.34 | 0.08 | 0.78 | 1.01 | 0.00 | 0.00 | 0.51 | 2.72 | | | | | | | | |
| | B10CL034 | 0.37 | 0.09 | 1.04 | 1.25 | 0.00 | 0.00 | 0.55 | 3.30 | | | | | | | | |
| | B10CL035 | 0.55 | 0.13 | 1.30 | 1.48 | 0.00 | 0.00 | 0.81 | 4.27 | | | | | | | | |
| | B10CL036 | 0.23 | 0.06 | 0.42 | 0.62 | 0.00 | 0.00 | 0.34 | 1.67 | | | | | | | | |
| | B10CL038 | 0.29 | 0.07 | 0.78 | 0.96 | 0.00 | 0.00 | 0.43 | 2.53 | | | | | | | | |
| | B10CL040 | 0.33 | 0.08 | 1.04 | 1.20 | 0.00 | 0.00 | 0.48 | 3.13 | | | | | | | | |
| | B10CL041 | 0.37 | 0.09 | 1.04 | 1.25 | 0.00 | 0.00 | 0.55 | 3.30 | | | | | | | | |
| | B10CL042 | 0.21 | 0.05 | 0.26 | 0.49 | 0.00 | 0.00 | 0.31 | 1.32 | | | | | | | | |
| | B10CL043 | 0.25 | 0.06 | 0.42 | 0.67 | 0.00 | 0.00 | 0.37 | 1.77 | | | | | | | | |
| | B10CL045 | 0.29 | 0.07 | 0.52 | 0.82 | 0.00 | 0.00 | 0.42 | 2.12 | | | | | | | | |
| | B10CL046 | 0.32 | 0.08 | 0.52 | 0.87 | 0.00 | 0.00 | 0.47 | 2.26 | | | | | | | | |
| | B10IE001 | 2.49 | 0.60 | 0.16 | 1.58 | 0.06 | 0.01 | 3.70 | 8.60 | | | | | | | | |
| | B10IE002 | 3.15 | 0.75 | 0.26 | 1.64 | 0.00 | 0.00 | 4.68 | 10.48 | | | | | | | | |
| | B10IE003 | 0.36 | 0.09 | 0.16 | 0.58 | 0.00 | 0.00 | 0.53 | 1.72 | | | | | | | | |
| | B10KL001 | 7.04 | 1.73 | 3.80 | 1.25 | 0.45 | 0.08 | 10.50 | 24.85 | | | | | | | | |
| | B10KL004 | 7.21 | 1.77 | 3.80 | 1.25 | 0.51 | 0.09 | 10.75 | 25.38 | | | | | | | | |
| | B10KL005 | 7.47 | 1.85 | 3.80 | 1.25 | 0.64 | 0.11 | 11.15 | 26.27 | | | | | | | | |
| | B10RC001 | 9.17 | 2.25 | 2.73 | 6.19 | 0.61 | 0.11 | 13.67 | 34.73 | | | | | | | | |
| | B10RC002 | 8.89 | 2.18 | 1.30 | 3.18 | 0.61 | 0.11 | 13.25 | 29.52 | | | | | | | | |
| | B10RC003 | 11.35 | 2.79 | 2.86 | 6.51 | 0.81 | 0.14 | 16.93 | 41.39 | | | | | | | | |
| | B10RC004 | 7.64 | 1.88 | 1.56 | 3.82 | 0.58 | 0.10 | 11.39 | 26.97 | | | | | | | | |
| | B10RC005 | 10.94 | 2.70 | 2.24 | 6.18 | 0.87 | 0.15 | 16.32 | 39.40 | | | | | | | | |
| | B10RC006 | 9.59 | 2.38 | 2.37 | 5.75 | 0.87 | 0.15 | 14.32 | 35.43 | | | | | | | | |
| | B10RC007 | 8.12 | 2.00 | 1.17 | 3.12 | 0.61 | 0.11 | 12.10 | 27.23 | | | | | | | | |
| | B10RC008 | 7.59 | 1.87 | 1.17 | 3.12 | 0.61 | 0.11 | 11.32 | 25.79 | | | | | | | | |
| | B10RC009 | 7.44 | 1.83 | 1.90 | 4.00 | 0.58 | 0.10 | 11.09 | 26.94 | | | | | | | | |
| | B10RC010 | 8.27 | 2.03 | 1.90 | 4.00 | 0.58 | 0.10 | 12.32 | 29.20 | | | | | | | | |
| | B10RC011 | 8.63 | 2.15 | 2.50 | 5.81 | 0.87 | 0.15 | 12.89 | 33.00 | | | | | | | | |
| | B10RC012 | 16.88 | 4.04 | 0.78 | 5.16 | 0.00 | 0.00 | 25.07 | 51.93 | | | | | | | | |
| | B10RC013 | 20.80 | 4.98 | 0.78 | 5.41 | 0.00 | 0.00 | 30.89 | 62.86 | | | | | | | | |
| | B10RC014 | 16.98 | 4.06 | 0.78 | 5.16 | 0.00 | 0.00 | 25.21 | 52.19 | | | | | | | | |
| | B10RC015 | 20.90 | 5.00 | 0.78 | 5.41 | 0.00 | 0.00 | 31.03 | 63.12 | | | | | | | | |
| | B10RC016 | 17.26 | 4.25 | 3.90 | 7.55 | 1.28 | 0.22 | 25.74 | 60.20 | | | | | | | | |
| | B10RC017 | 27.62 | 6.73 | 1.56 | 5.32 | 1.26 | 0.22 | 41.12 | 83.83 | | | | | | | | |
| | B10RC023 | 17.53 | 4.25 | 2.08 | 6.10 | 0.58 | 0.10 | 26.09 | 56.73 | | | | | | | | |
| | B10RC024 | 19.61 | 4.78 | 3.12 | 7.64 | 0.89 | 0.16 | 29.20 | 65.40 | | | | | | | | |
| | B10RC025 | 20.37 | 4.96 | 4.16 | 9.19 | 0.89 | 0.16 | 30.33 | 70.06 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | B10RC026 | 48.65 | 11.86 | 6.24 | 11.29 | 2.32 | 0.41 | 72.44 | 153.21 | | | | | | | | |
| | B10SN001 | 5.05 | 1.21 | 0.00 | 1.50 | 0.00 | 0.00 | 7.50 | 15.26 | | | | | | | | |
| | B10SN002 | 5.28 | 1.26 | 0.00 | 1.60 | 0.00 | 0.00 | 7.84 | 15.98 | | | | | | | | |
| | B10SN003 | 5.59 | 1.34 | 0.00 | 1.65 | 0.00 | 0.00 | 8.30 | 16.88 | | | | | | | | |
| | B10SN004 | 5.70 | 1.36 | 0.00 | 1.65 | 0.00 | 0.00 | 8.47 | 17.18 | | | | | | | | |
| | B10SN005 | 6.13 | 1.47 | 0.00 | 1.70 | 0.00 | 0.00 | 9.10 | 18.40 | | | | | | | | |
| | B10SN006 | 7.25 | 1.73 | 0.00 | 1.70 | 0.00 | 0.00 | 10.77 | 21.45 | | | | | | | | |
| | B10SN007 | 7.76 | 1.86 | 0.00 | 1.75 | 0.00 | 0.00 | 11.52 | 22.89 | | | | | | | | |
| | B10SN008 | 7.85 | 1.88 | 0.00 | 1.75 | 0.00 | 0.00 | 11.66 | 23.14 | | | | | | | | |
| | B10SN009 | 8.46 | 2.02 | 0.00 | 1.85 | 0.00 | 0.00 | 12.57 | 24.90 | | | | | | | | |
| | B10SN010 | 2.70 | 0.65 | 0.00 | 1.30 | 0.00 | 0.00 | 4.01 | 8.66 | | | | | | | | |
| | B10SN011 | 2.85 | 0.68 | 0.00 | 1.30 | 0.00 | 0.00 | 4.23 | 9.06 | | | | | | | | |
| | B10SN012 | 2.96 | 0.71 | 0.00 | 1.30 | 0.00 | 0.00 | 4.40 | 9.37 | | | | | | | | |
| | B10SN013 | 3.26 | 0.78 | 0.00 | 1.35 | 0.00 | 0.00 | 4.84 | 10.23 | | | | | | | | |
| | B10SN014 | 4.50 | 1.08 | 0.00 | 1.50 | 0.00 | 0.00 | 6.67 | 13.75 | | | | | | | | |
| | B10SN015 | 3.45 | 0.83 | 0.00 | 1.40 | 0.00 | 0.00 | 5.13 | 10.81 | | | | | | | | |
| | B10SN016 | 4.81 | 1.15 | 0.00 | 1.50 | 0.00 | 0.00 | 7.15 | 14.61 | | | | | | | | |
| | B10SN017 | 3.81 | 0.91 | 0.00 | 1.40 | 0.00 | 0.00 | 5.65 | 11.77 | | | | | | | | |
| | B10SN018 | 6.06 | 1.45 | 0.00 | 1.55 | 0.00 | 0.00 | 8.99 | 18.05 | | | | | | | | |
| | B10SN019 | 2.01 | 0.48 | 0.00 | 1.20 | 0.00 | 0.00 | 2.98 | 6.67 | | | | | | | | |
| | B10SN020 | 2.12 | 0.51 | 0.00 | 1.20 | 0.00 | 0.00 | 3.15 | 6.98 | | | | | | | | |
| | B10SN021 | 2.23 | 0.53 | 0.00 | 1.20 | 0.00 | 0.00 | 3.32 | 7.28 | | | | | | | | |
| | B10SN022 | 2.53 | 0.61 | 0.00 | 1.25 | 0.00 | 0.00 | 3.76 | 8.15 | | | | | | | | |
| | B10SN023 | 3.77 | 0.90 | 0.00 | 1.40 | 0.00 | 0.00 | 5.60 | 11.67 | | | | | | | | |
| | B10SN024 | 2.73 | 0.65 | 0.00 | 1.30 | 0.00 | 0.00 | 4.05 | 8.73 | | | | | | | | |
| | B10SN025 | 4.09 | 0.98 | 0.00 | 1.40 | 0.00 | 0.00 | 6.07 | 12.54 | | | | | | | | |
| | B10SN026 | 3.08 | 0.74 | 0.00 | 1.30 | 0.00 | 0.00 | 4.57 | 9.69 | | | | | | | | |
| | B10SN027 | 5.32 | 1.27 | 0.00 | 1.50 | 0.00 | 0.00 | 7.89 | 15.98 | | | | | | | | |
| | B10SN028 | 5.28 | 1.26 | 0.00 | 1.60 | 0.00 | 0.00 | 7.84 | 15.98 | | | | | | | | |
| | B10SN029 | 7.52 | 1.80 | 0.00 | 1.70 | 0.00 | 0.00 | 11.17 | 22.19 | | | | | | | | |
| | B10SN030 | 8.48 | 2.03 | 0.00 | 1.80 | 0.00 | 0.00 | 12.60 | 24.91 | | | | | | | | |
| | B10SN031 | 2.88 | 0.69 | 0.52 | 1.57 | 0.00 | 0.00 | 4.27 | 9.93 | | | | | | | | |
| | B10SN032 | 2.98 | 0.71 | 0.52 | 1.57 | 0.00 | 0.00 | 4.42 | 10.20 | | | | | | | | |
| | B10VI001 | 8.94 | 2.22 | 1.04 | 2.05 | 0.82 | 0.14 | 13.34 | 28.55 | | | | | | | | |
| | B10VI002 | 6.72 | 1.66 | 0.78 | 1.41 | 0.62 | 0.11 | 10.02 | 21.32 | | | | | | | | |
| | B10VI003 | 6.16 | 1.53 | 0.78 | 1.41 | 0.62 | 0.11 | 9.20 | 19.81 | | | | | | | | |
| B15 | | | | | | | | | | | | | | | | | |
| | B15AB001 | 3.30 | 0.72 | 2.63 | 0.86 | 0.13 | 0.02 | 4.11 | 11.77 | | | | | | | | |
| | B15IG001 | 2.46 | 0.56 | 2.63 | 0.86 | 0.27 | 0.05 | 3.09 | 9.92 | | | | | | | | |
| | B15MB001 | 0.41 | 0.09 | 0.00 | 0.10 | 0.00 | 0.00 | 0.51 | 1.11 | | | | | | | | |
| | B15MB002 | 0.69 | 0.15 | 0.00 | 0.14 | 0.00 | 0.00 | 0.85 | 1.83 | | | | | | | | |
| | B15MB003 | 0.71 | 0.16 | 0.00 | 0.24 | 0.05 | 0.01 | 0.89 | 2.06 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | B15MB004 | 0.81 | 0.18 | 1.85 | 0.52 | 0.05 | 0.01 | 1.02 | 4.44 | | | | | | | | |
| | B15RS001 | 2.55 | 0.56 | 2.63 | 0.86 | 0.09 | 0.02 | 3.17 | 9.88 | | | | | | | | |
| | B15RS002 | 2.32 | 0.50 | 0.00 | 0.50 | 0.00 | 0.00 | 2.87 | 6.19 | | | | | | | | |
| | B15RS003 | 2.54 | 0.55 | 0.00 | 0.60 | 0.00 | 0.00 | 3.15 | 6.84 | | | | | | | | |
| | B15RS004 | 2.69 | 0.58 | 0.00 | 0.70 | 0.00 | 0.00 | 3.34 | 7.31 | | | | | | | | |
| B20 | | | | | | | | | | | | | | | | | |
| | B20CI001 | 0.50 | 0.11 | 1.85 | 0.69 | 0.02 | 0.00 | 0.70 | 3.87 | | | | | | | | |
| | B20CI002 | 0.99 | 0.22 | 3.08 | 1.15 | 0.02 | 0.00 | 1.39 | 6.85 | | | | | | | | |
| | B20CI003 | 1.24 | 0.27 | 6.15 | 2.30 | 0.03 | 0.01 | 1.74 | 11.74 | | | | | | | | |
| | B20CI004 | 1.42 | 0.31 | 2.63 | 0.86 | 0.03 | 0.01 | 1.99 | 7.25 | | | | | | | | |
| | B20CI005 | 0.96 | 0.21 | 3.79 | 1.42 | 0.03 | 0.01 | 1.35 | 7.77 | | | | | | | | |
| | B20CI006 | 1.45 | 0.32 | 2.63 | 0.86 | 0.03 | 0.01 | 2.04 | 7.34 | | | | | | | | |
| | B20CI007 | 1.50 | 0.33 | 2.63 | 0.86 | 0.04 | 0.01 | 2.10 | 7.47 | | | | | | | | |
| | B20VE001 | 1.49 | 0.33 | 10.15 | 3.80 | 0.04 | 0.01 | 2.08 | 17.90 | | | | | | | | |
| | B20VE002 | 2.03 | 0.44 | 9.84 | 3.68 | 0.05 | 0.01 | 2.85 | 18.90 | | | | | | | | |
| B25 | | | | | | | | | | | | | | | | | |
| | B25ES001 | 1.10 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 1.16 | 2.52 | 1.38 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | 3.30 |
| | B25ES002 | 1.18 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 1.24 | 2.70 | 1.47 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 1.77 | 3.53 |
| | B25ES003 | 1.29 | 0.31 | 0.00 | 0.00 | 0.00 | 0.00 | 1.36 | 2.96 | 1.62 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 3.88 |
| | B25ES004 | 1.39 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 3.18 | 1.74 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 2.09 | 4.17 |
| | B25ES005 | 1.49 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 1.57 | 3.42 | 1.86 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 2.24 | 4.47 |
| | B25ES006 | 2.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 2.10 | 4.58 | 2.49 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 5.98 |
| | B25ES007 | 2.19 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 2.31 | 5.02 | 2.74 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 | 6.57 |
| | B25ES008 | 2.31 | 0.55 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 | 5.29 | 2.89 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 3.47 | 6.93 |
| | B25ES009 | 3.01 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 6.90 | 3.77 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 4.53 | 9.04 |
| | B25ES010 | 3.19 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 3.36 | 7.31 | 3.99 | 0.78 | 0.00 | 0.00 | 0.00 | 0.00 | 4.79 | 9.56 |
| | B25ES011 | 3.45 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 3.63 | 7.91 | 4.32 | 0.85 | 0.00 | 0.00 | 0.00 | 0.00 | 5.19 | 10.36 |
| | B25ES012 | 3.80 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 8.71 | 4.75 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 5.71 | 11.39 |
| | B25ES013 | 4.12 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 4.33 | 9.43 | 5.14 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 | 6.18 | 12.33 |
| | B25ES014 | 4.38 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 4.61 | 10.04 | 5.47 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 6.58 | 13.13 |
| | B25ES015 | 4.82 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 5.07 | 11.04 | 6.02 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 7.24 | 14.44 |
| | B25ES016 | 5.01 | 1.20 | 0.00 | 0.00 | 0.00 | 0.00 | 5.27 | 11.48 | 6.26 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 7.52 | 15.01 |
| | B25ES017 | 5.28 | 1.26 | 0.00 | 0.00 | 0.00 | 0.00 | 5.55 | 12.09 | 6.60 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | 7.92 | 15.82 |
| | B25ES018 | 5.53 | 1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 5.82 | 12.67 | 6.92 | 1.36 | 0.00 | 0.00 | 0.00 | 0.00 | 8.31 | 16.59 |
| | B25ES019 | 5.74 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 6.04 | 13.15 | 7.18 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 | 8.62 | 17.21 |
| | B25ES020 | 1.14 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 1.20 | 2.61 | 1.42 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 1.71 | 3.41 |
| | B25ES021 | 1.22 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 1.28 | 2.79 | 1.52 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 1.83 | 3.65 |
| | B25ES022 | 1.67 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.75 | 3.82 | 2.08 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 4.99 |
| | B25ES023 | 1.69 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 | 3.87 | 2.11 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 2.54 | 5.07 |
| | B25ES024 | 1.79 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 1.88 | 4.10 | 2.24 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 2.69 | 5.37 |
| | B25ES025 | 2.45 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 2.58 | 5.62 | 3.06 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 3.68 | 7.34 |
| | B25ES026 | 2.55 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 2.69 | 5.85 | 3.19 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 3.83 | 7.65 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | B25ES027 | 2.64 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 2.78 | 6.05 | 3.31 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 3.97 | 7.93 |
| | B25ES028 | 3.36 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 3.54 | 7.70 | 4.20 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 5.05 | 10.08 |
| | B25ES029 | 3.68 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 3.87 | 8.43 | 4.60 | 0.90 | 0.00 | 0.00 | 0.00 | 0.00 | 5.52 | 11.02 |
| | B25ES030 | 4.23 | 1.01 | 0.00 | 0.00 | 0.00 | 0.00 | 4.45 | 9.69 | 5.29 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | 6.35 | 12.68 |
| | B25ES031 | 4.50 | 1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 4.74 | 10.32 | 5.63 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 | 6.76 | 13.50 |
| | B25ES032 | 4.84 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 5.09 | 11.09 | 6.05 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 7.26 | 14.50 |
| | B25ES033 | 5.30 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 5.57 | 12.14 | 6.62 | 1.30 | 0.00 | 0.00 | 0.00 | 0.00 | 7.96 | 15.88 |
| | B25ES034 | 5.59 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 5.88 | 12.81 | 6.98 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 8.39 | 16.74 |
| | B25ES035 | 5.86 | 1.40 | 0.00 | 0.00 | 0.00 | 0.00 | 6.17 | 13.43 | 7.33 | 1.44 | 0.00 | 0.00 | 0.00 | 0.00 | 8.80 | 17.57 |
| | B25ES036 | 6.17 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 | 6.49 | 14.14 | 7.72 | 1.52 | 0.00 | 0.00 | 0.00 | 0.00 | 9.27 | 18.51 |
| | B25ES037 | 6.43 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 | 6.77 | 14.74 | 8.04 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 | 9.66 | 19.28 |
| | B25ES038 | 6.69 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 7.04 | 15.33 | 8.36 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 10.04 | 20.04 |
| | B25ES039 | 1.37 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 3.14 | 1.71 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 2.05 | 4.10 |
| | B25ES040 | 1.89 | 0.45 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 | 4.33 | 2.36 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 2.84 | 5.66 |
| | B25ES041 | 1.97 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 4.51 | 2.46 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 2.95 | 5.89 |
| | B25ES042 | 2.12 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 2.23 | 4.86 | 2.65 | 0.52 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 6.35 |
| | B25ES043 | 2.79 | 0.67 | 0.00 | 0.00 | 0.00 | 0.00 | 2.93 | 6.39 | 3.48 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 | 4.18 | 8.34 |
| | B25ES044 | 3.02 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 3.17 | 6.91 | 3.77 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 4.53 | 9.04 |
| | B25ES045 | 3.39 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 3.57 | 7.77 | 4.24 | 0.83 | 0.00 | 0.00 | 0.00 | 0.00 | 5.09 | 10.16 |
| | B25ES046 | 3.81 | 0.91 | 0.00 | 0.00 | 0.00 | 0.00 | 4.01 | 8.73 | 4.76 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 5.72 | 11.42 |
| | B25ES047 | 4.24 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.46 | 9.72 | 5.31 | 1.04 | 0.00 | 0.00 | 0.00 | 0.00 | 6.37 | 12.72 |
| | B25ES048 | 4.68 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 | 4.92 | 10.72 | 5.85 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 | 7.02 | 14.02 |
| | B25ES049 | 4.96 | 1.19 | 0.00 | 0.00 | 0.00 | 0.00 | 5.21 | 11.36 | 6.20 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 7.44 | 14.86 |
| | B25ES050 | 5.16 | 1.23 | 0.00 | 0.00 | 0.00 | 0.00 | 5.42 | 11.81 | 6.45 | 1.27 | 0.00 | 0.00 | 0.00 | 0.00 | 7.74 | 15.46 |
| | B25ES051 | 5.57 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 5.86 | 12.76 | 6.96 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 8.37 | 16.70 |
| | B25ES052 | 5.90 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 | 6.21 | 13.52 | 7.38 | 1.45 | 0.00 | 0.00 | 0.00 | 0.00 | 8.86 | 17.69 |
| | B25ES053 | 6.21 | 1.48 | 0.00 | 0.00 | 0.00 | 0.00 | 6.53 | 14.22 | 7.76 | 1.53 | 0.00 | 0.00 | 0.00 | 0.00 | 9.32 | 18.61 |
| | B25ES054 | 6.60 | 1.58 | 0.00 | 0.00 | 0.00 | 0.00 | 6.94 | 15.12 | 8.25 | 1.62 | 0.00 | 0.00 | 0.00 | 0.00 | 9.91 | 19.78 |
| | B25ES055 | 6.83 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 7.19 | 15.65 | 8.54 | 1.68 | 0.00 | 0.00 | 0.00 | 0.00 | 10.26 | 20.48 |
| | B25ES056 | 7.12 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 7.49 | 16.31 | 8.90 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 | 10.69 | 21.34 |
| | B25GE001 | 6.67 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 7.02 | 15.29 | 8.34 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 | 10.02 | 20.00 |
| | B25GE002 | 7.13 | 1.71 | 0.00 | 0.00 | 0.00 | 0.00 | 7.50 | 16.34 | 8.92 | 1.75 | 0.00 | 0.00 | 0.00 | 0.00 | 10.71 | 21.38 |
| | B25GE003 | 7.64 | 1.83 | 0.00 | 0.00 | 0.00 | 0.00 | 8.04 | 17.51 | 9.55 | 1.88 | 0.00 | 0.00 | 0.00 | 0.00 | 11.47 | 22.90 |
| | B25GE004 | 8.46 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 | 8.90 | 19.38 | 10.58 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 | 12.71 | 25.37 |
| | B25GE005 | 9.28 | 2.22 | 0.00 | 0.00 | 0.00 | 0.00 | 9.76 | 21.26 | 11.60 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 | 13.94 | 27.82 |
| | B25GE006 | 10.03 | 2.40 | 0.00 | 0.00 | 0.00 | 0.00 | 10.55 | 22.98 | 12.54 | 2.47 | 0.00 | 0.00 | 0.00 | 0.00 | 15.06 | 30.07 |
| | B25GE007 | 10.84 | 2.59 | 0.00 | 0.00 | 0.00 | 0.00 | 11.40 | 24.83 | 13.55 | 2.67 | 0.00 | 0.00 | 0.00 | 0.00 | 16.28 | 32.50 |
| | B25GE008 | 11.64 | 2.78 | 0.00 | 0.00 | 0.00 | 0.00 | 12.24 | 26.66 | 14.55 | 2.86 | 0.00 | 0.00 | 0.00 | 0.00 | 17.48 | 34.89 |
| | B25GE009 | 12.47 | 2.98 | 0.00 | 0.00 | 0.00 | 0.00 | 13.11 | 28.56 | 15.58 | 3.06 | 0.00 | 0.00 | 0.00 | 0.00 | 18.72 | 37.36 |
| | B25GE010 | 13.29 | 3.18 | 0.00 | 0.00 | 0.00 | 0.00 | 13.97 | 30.44 | 16.61 | 3.27 | 0.00 | 0.00 | 0.00 | 0.00 | 19.95 | 39.83 |
| | B25GE011 | 13.72 | 3.28 | 0.00 | 0.00 | 0.00 | 0.00 | 14.43 | 31.43 | 17.14 | 3.37 | 0.00 | 0.00 | 0.00 | 0.00 | 20.59 | 41.10 |

B30

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | B30CR001 | 0.25 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.64 | | | | | | | | |
| | B30CR002 | 0.26 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.66 | | | | | | | | |
| | B30CR003 | 0.29 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.37 | 0.74 | | | | | | | | |
| | B30CR004 | 0.31 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.78 | | | | | | | | |
| | B30CR005 | 0.36 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 0.91 | | | | | | | | |
| | B30CR006 | 0.43 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 | 1.08 | | | | | | | | |
| | B30CR007 | 0.54 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.69 | 1.37 | | | | | | | | |
| | B30CR008 | 0.63 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.80 | 1.59 | | | | | | | | |
| | B30GB001 | 0.17 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | 0.40 | | | | | | | | |
| | B30GB002 | 0.23 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.54 | | | | | | | | |
| | B30GB003 | 0.27 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.64 | | | | | | | | |
| | B30GB004 | 0.41 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.45 | 0.97 | | | | | | | | |
| | B30GB005 | 0.48 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 1.14 | | | | | | | | |
| | B30GB006 | 0.81 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.99 | | | | | | | | |
| | B30GB007 | 0.92 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 2.26 | | | | | | | | |
| | B30GB008 | 1.06 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 2.61 | | | | | | | | |
| | B30GB009 | 1.22 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 3.00 | | | | | | | | |
| | B30GB010 | 1.54 | 0.40 | 0.00 | 0.00 | 0.00 | 0.00 | 1.84 | 3.78 | | | | | | | | |
| | B30GB011 | 0.72 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.92 | 1.83 | | | | | | | | |
| | B30GB012 | 0.75 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.95 | 1.90 | | | | | | | | |
| | B30GB013 | 0.78 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.99 | 1.97 | | | | | | | | |
| | B30GB014 | 1.04 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 1.33 | 2.64 | | | | | | | | |
| | B30GB015 | 1.09 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 1.39 | 2.76 | | | | | | | | |
| | B30GB016 | 1.57 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 3.98 | | | | | | | | |
| | B30GB017 | 1.88 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 4.77 | | | | | | | | |
| B35 | | | | | | | | | | | | | | | | | |
| | B35HE001 | 0.49 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 1.11 | 0.61 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.73 | 1.44 |
| | B35HE002 | 0.59 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 1.33 | 0.72 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.87 | 1.71 |
| | B35HE003 | 0.72 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.76 | 1.62 | 0.89 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 1.07 | 2.11 |
| | B35HE004 | 0.86 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.90 | 1.93 | 1.06 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 2.50 |
| | B35HE005 | 1.01 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 2.27 | 1.24 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 1.49 | 2.93 |
| | B35HE006 | 1.24 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1.31 | 2.79 | 1.53 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 1.84 | 3.62 |
| | B35HE007 | 1.37 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 1.44 | 3.08 | 1.69 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 2.03 | 4.00 |
| | B35HE008 | 1.68 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 1.77 | 3.78 | 2.07 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 2.48 | 4.89 |
| | B35HE009 | 1.75 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.84 | 3.93 | 2.15 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 2.58 | 5.08 |
| | B35HE010 | 2.16 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 2.27 | 4.85 | 2.65 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 3.19 | 6.28 |
| | B35HE011 | 2.33 | 0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 2.45 | 5.24 | 2.87 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | 3.45 | 6.79 |
| | B35HE012 | 2.49 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 2.62 | 5.60 | 3.07 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 3.68 | 7.25 |
| | B35HE013 | 2.83 | 0.56 | 0.00 | 0.00 | 0.00 | 0.00 | 2.98 | 6.37 | 3.49 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 4.19 | 8.25 |
| | B35HE014 | 3.27 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 3.44 | 7.35 | 4.02 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 4.83 | 9.51 |
| | B35HE015 | 3.55 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 3.74 | 7.99 | 4.37 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 5.25 | 10.34 |
| | B35HE016 | 4.36 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 | 4.58 | 9.80 | 5.37 | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 6.44 | 12.69 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | B35HE017 | 5.01 | 0.99 | 0.00 | 0.00 | 0.00 | 0.00 | 5.27 | 11.27 | 6.17 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 7.41 | 14.60 |
| | B35HE018 | 0.48 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.51 | 1.09 | 0.62 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.74 | 1.47 |
| | B35HE019 | 0.59 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 1.34 | 0.76 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.91 | 1.80 |
| | B35HE020 | 0.73 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.77 | 1.66 | 0.94 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 1.13 | 2.24 |
| | B35HE021 | 0.88 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.92 | 1.99 | 1.13 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 1.36 | 2.69 |
| | B35HE022 | 1.01 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 2.29 | 1.30 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 1.56 | 3.09 |
| | B35HE023 | 1.21 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 2.74 | 1.56 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 1.87 | 3.70 |
| | B35HE024 | 1.34 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 3.04 | 1.72 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 2.06 | 4.08 |
| | B35HE025 | 1.61 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 1.70 | 3.66 | 2.07 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 2.49 | 4.92 |
| | B35HE026 | 1.72 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 1.81 | 3.90 | 2.21 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 2.66 | 5.26 |
| | B35HE027 | 2.21 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 5.01 | 2.84 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 3.41 | 6.75 |
| | B35HE028 | 2.28 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 5.18 | 2.93 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 3.52 | 6.96 |
| | B35HE029 | 2.60 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 2.74 | 5.91 | 3.35 | 0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 4.02 | 7.96 |
| | B35HE030 | 2.87 | 0.62 | 0.00 | 0.00 | 0.00 | 0.00 | 3.02 | 6.51 | 3.69 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 4.43 | 8.77 |
| | B35HE031 | 3.44 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 3.61 | 7.80 | 4.42 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 5.31 | 10.50 |
| | B35HE032 | 3.66 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 3.85 | 8.31 | 4.71 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 5.65 | 11.18 |
| | B35HE033 | 4.66 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 4.91 | 10.59 | 6.00 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 7.20 | 14.25 |
| | B35HE034 | 5.41 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 5.69 | 12.28 | 6.95 | 1.22 | 0.00 | 0.00 | 0.00 | 0.00 | 8.35 | 16.52 |
| | B35HE035 | 1.73 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 1.82 | 3.96 | 2.17 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 2.60 | 5.20 |
| | B35HE036 | 1.80 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 | 1.90 | 4.13 | 2.25 | 0.44 | 0.00 | 0.00 | 0.00 | 0.00 | 2.71 | 5.40 |
| | B35HE037 | 2.02 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 2.12 | 4.62 | 2.52 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 3.03 | 6.05 |
| | B35HE038 | 2.70 | 0.65 | 0.00 | 0.00 | 0.00 | 0.00 | 2.84 | 6.19 | 3.38 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 4.06 | 8.10 |
| | B35HE039 | 3.02 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 | 3.18 | 6.92 | 3.78 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 4.54 | 9.06 |
| | B35HE040 | 3.12 | 0.75 | 0.00 | 0.00 | 0.00 | 0.00 | 3.28 | 7.15 | 3.90 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 4.68 | 9.35 |
| | B35HE041 | 3.34 | 0.80 | 0.00 | 0.00 | 0.00 | 0.00 | 3.51 | 7.65 | 4.18 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 5.02 | 10.02 |
| | B35HE042 | 4.44 | 1.06 | 0.00 | 0.00 | 0.00 | 0.00 | 4.67 | 10.17 | 5.55 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 | 6.67 | 13.31 |
| | B35HE043 | 4.37 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 4.60 | 10.02 | 5.46 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 | 6.56 | 13.09 |
| | B35HE044 | 5.57 | 1.33 | 0.00 | 0.00 | 0.00 | 0.00 | 5.85 | 12.75 | 6.96 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 8.36 | 16.69 |
| | B35HE045 | 5.72 | 1.37 | 0.00 | 0.00 | 0.00 | 0.00 | 6.02 | 13.11 | 7.16 | 1.41 | 0.00 | 0.00 | 0.00 | 0.00 | 8.60 | 17.17 |
| | B35HE046 | 6.81 | 1.63 | 0.00 | 0.00 | 0.00 | 0.00 | 7.16 | 15.60 | 8.51 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 | 10.22 | 20.40 |
| | B35HE047 | 7.20 | 1.72 | 0.00 | 0.00 | 0.00 | 0.00 | 7.57 | 16.49 | 9.00 | 1.77 | 0.00 | 0.00 | 0.00 | 0.00 | 10.81 | 21.58 |
| | B35SA001 | 1.21 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1.27 | 2.72 | 1.49 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 1.79 | 3.53 |
| | B35SA002 | 1.45 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 1.53 | 3.27 | 1.79 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 2.15 | 4.23 |
| | B35SA003 | 1.81 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 1.91 | 4.08 | 2.23 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 2.68 | 5.28 |
| | B35SA004 | 2.69 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 2.83 | 6.05 | 3.31 | 0.54 | 0.00 | 0.00 | 0.00 | 0.00 | 3.98 | 7.83 |
| | B35SA005 | 3.27 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 3.44 | 7.35 | 4.02 | 0.66 | 0.00 | 0.00 | 0.00 | 0.00 | 4.83 | 9.51 |
| | B35SA006 | 3.91 | 0.77 | 0.00 | 0.00 | 0.00 | 0.00 | 4.11 | 8.79 | 4.81 | 0.79 | 0.00 | 0.00 | 0.00 | 0.00 | 5.78 | 11.38 |
| | B35SA007 | 4.30 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 4.52 | 9.66 | 5.29 | 0.87 | 0.00 | 0.00 | 0.00 | 0.00 | 6.35 | 12.51 |
| | B35SA008 | 5.20 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 5.47 | 11.69 | 6.40 | 1.05 | 0.00 | 0.00 | 0.00 | 0.00 | 7.69 | 15.14 |
| | B35SA009 | 6.16 | 1.21 | 0.00 | 0.00 | 0.00 | 0.00 | 6.48 | 13.85 | 7.58 | 1.25 | 0.00 | 0.00 | 0.00 | 0.00 | 9.11 | 17.94 |
| | B35SA010 | 7.60 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 7.99 | 17.08 | 9.35 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 | 11.23 | 22.12 |
| C05 | | | | | | | | | | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID.NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | C05HO001 | 0.16 | 0.02 | 0.43 | 0.66 | 0.00 | 0.00 | 0.58 | 1.85 | | | | | | | | |
| C10 | | | | | | | | | | | | | | | | | |
| | C10BO001 | 0.40 | 0.06 | 0.43 | 0.12 | 0.00 | 0.00 | 0.75 | 1.76 | | | | | | | | |
| | C10BO002 | 0.48 | 0.07 | 0.43 | 0.12 | 0.00 | 0.00 | 0.90 | 2.00 | | | | | | | | |
| | C10BO003 | 0.23 | 0.03 | 0.57 | 0.16 | 0.00 | 0.00 | 0.44 | 1.43 | | | | | | | | |
| | C10BO004 | 0.29 | 0.04 | 0.57 | 0.16 | 0.00 | 0.00 | 0.55 | 1.61 | | | | | | | | |
| | C10BO005 | 0.65 | 0.09 | 0.19 | 0.05 | 0.00 | 0.00 | 1.21 | 2.19 | | | | | | | | |
| | C10BO006 | 0.92 | 0.13 | 0.71 | 0.20 | 0.00 | 0.00 | 1.72 | 3.68 | | | | | | | | |
| | C10BO007 | 1.10 | 0.16 | 0.24 | 0.07 | 0.00 | 0.00 | 2.06 | 3.63 | | | | | | | | |
| | C10BO008 | 1.67 | 0.24 | 0.34 | 0.09 | 0.00 | 0.00 | 3.11 | 5.45 | | | | | | | | |
| | C10BO009 | 0.72 | 0.10 | 0.24 | 0.07 | 0.00 | 0.00 | 1.34 | 2.47 | | | | | | | | |
| | C10BO010 | 1.74 | 0.25 | 0.19 | 0.05 | 0.00 | 0.00 | 3.24 | 5.47 | | | | | | | | |
| | C10BO011 | 1.95 | 0.28 | 0.38 | 0.11 | 0.00 | 0.00 | 3.64 | 6.36 | | | | | | | | |
| | C10HO001 | 0.39 | 0.06 | 0.57 | 0.16 | 0.00 | 0.00 | 0.73 | 1.91 | | | | | | | | |
| | C10HO002 | 0.44 | 0.06 | 0.57 | 0.16 | 0.00 | 0.00 | 0.82 | 2.05 | | | | | | | | |
| | C10HO003 | 0.40 | 0.06 | 0.71 | 0.20 | 0.00 | 0.00 | 0.74 | 2.11 | | | | | | | | |
| | C10WC001 | 0.35 | 0.05 | 0.57 | 0.16 | 0.00 | 0.00 | 0.65 | 1.78 | | | | | | | | |
| | C10WC002 | 0.46 | 0.07 | 0.57 | 0.16 | 0.00 | 0.00 | 0.85 | 2.11 | | | | | | | | |
| | C10WC003 | 0.60 | 0.09 | 0.57 | 0.16 | 0.00 | 0.00 | 1.12 | 2.54 | | | | | | | | |
| | C10WC004 | 0.71 | 0.10 | 0.57 | 0.16 | 0.00 | 0.00 | 1.32 | 2.86 | | | | | | | | |
| | C10WC005 | 0.26 | 0.04 | 0.57 | 0.16 | 0.00 | 0.00 | 0.49 | 1.52 | | | | | | | | |
| | C10WC006 | 0.46 | 0.07 | 1.00 | 0.28 | 0.00 | 0.00 | 0.86 | 2.67 | | | | | | | | |
| | C10WC007 | 1.28 | 0.19 | 1.00 | 0.28 | 0.00 | 0.00 | 2.39 | 5.14 | | | | | | | | |
| | C10WC008 | 1.99 | 0.29 | 0.29 | 0.08 | 0.00 | 0.00 | 3.70 | 6.35 | | | | | | | | |
| | C10WC009 | 3.78 | 0.55 | 0.67 | 0.19 | 0.00 | 0.00 | 7.04 | 12.23 | | | | | | | | |
| | C10WC010 | 1.64 | 0.24 | 1.57 | 0.44 | 0.00 | 0.00 | 3.06 | 6.95 | | | | | | | | |
| | C10WC011 | 2.36 | 0.34 | 0.38 | 0.11 | 0.00 | 0.00 | 4.40 | 7.59 | | | | | | | | |
| | C10WC012 | 2.69 | 0.39 | 0.38 | 0.11 | 0.00 | 0.00 | 5.01 | 8.58 | | | | | | | | |
| | C10WC013 | 5.39 | 0.78 | 0.58 | 0.16 | 0.00 | 0.00 | 10.04 | 16.95 | | | | | | | | |
| C15 | | | | | | | | | | | | | | | | | |
| | C15BL001 | 0.96 | 0.16 | 0.00 | 0.50 | 0.00 | 0.00 | 1.35 | 2.97 | | | | | | | | |
| | C15BL002 | 1.86 | 0.31 | 0.00 | 0.70 | 0.00 | 0.00 | 2.60 | 5.47 | | | | | | | | |
| | C15BL003 | 3.78 | 0.63 | 0.00 | 1.50 | 0.00 | 0.00 | 5.27 | 11.18 | | | | | | | | |
| | C15BL004 | 5.32 | 0.89 | 0.00 | 1.75 | 0.00 | 0.00 | 7.43 | 15.39 | | | | | | | | |
| | C15BL005 | 6.88 | 1.15 | 0.00 | 2.00 | 0.00 | 0.00 | 9.60 | 19.63 | | | | | | | | |
| C20 | | | | | | | | | | | | | | | | | |
| | C20AE001 | 0.40 | 0.06 | 0.55 | 0.21 | 0.00 | 0.00 | 0.43 | 1.65 | | | | | | | | |
| | C20MU001 | 0.94 | 0.15 | 0.88 | 0.33 | 0.09 | 0.02 | 1.04 | 3.45 | | | | | | | | |
| | C20MU002 | 1.19 | 0.18 | 1.21 | 0.45 | 0.09 | 0.02 | 1.31 | 4.45 | | | | | | | | |
| C25 | | | | | | | | | | | | | | | | | |
| | C25ST001 | 0.28 | 0.04 | 0.88 | 0.33 | 0.00 | 0.00 | 0.35 | 1.88 | | | | | | | | |
| | C25ST002 | 0.30 | 0.04 | 0.88 | 0.33 | 0.00 | 0.00 | 0.38 | 1.93 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | C25WC001 | 0.26 | 0.04 | 0.55 | 0.21 | 0.00 | 0.00 | 0.33 | 1.39 | | | | | | | | |
| | C25WC002 | 0.35 | 0.05 | 0.88 | 0.33 | 0.00 | 0.00 | 0.44 | 2.05 | | | | | | | | |
| C35 | | | | | | | | | | | | | | | | | |
| | C35AL001 | 2.06 | 0.37 | 1.43 | 0.54 | 0.07 | 0.01 | 2.71 | 7.19 | | | | | | | | |
| | C35AL002 | 2.43 | 0.44 | 2.39 | 0.89 | 0.13 | 0.02 | 3.21 | 9.51 | | | | | | | | |
| | C35AL003 | 1.23 | 0.22 | 0.00 | 0.19 | 0.07 | 0.01 | 1.62 | 3.34 | | | | | | | | |
| | C35AL004 | 2.59 | 0.46 | 0.00 | 0.31 | 0.04 | 0.01 | 3.41 | 6.82 | | | | | | | | |
| | C35AL005 | 2.87 | 0.51 | 0.73 | 0.24 | 0.04 | 0.01 | 3.78 | 8.18 | | | | | | | | |
| | C35AL006 | 3.21 | 0.57 | 0.73 | 0.24 | 0.04 | 0.01 | 4.22 | 9.02 | | | | | | | | |
| | C35AL007 | 1.57 | 0.28 | 0.00 | 0.25 | 0.00 | 0.00 | 2.07 | 4.17 | | | | | | | | |
| | C35AL008 | 1.70 | 0.30 | 0.00 | 0.30 | 0.00 | 0.00 | 2.24 | 4.54 | | | | | | | | |
| | C35AL009 | 1.88 | 0.33 | 0.00 | 0.40 | 0.00 | 0.00 | 2.47 | 5.08 | | | | | | | | |
| | C35AL010 | 4.55 | 0.80 | 1.61 | 0.53 | 0.04 | 0.01 | 5.99 | 13.53 | | | | | | | | |
| | C35AL011 | 5.18 | 0.91 | 2.70 | 0.88 | 0.04 | 0.01 | 6.81 | 16.53 | | | | | | | | |
| | C35AV001 | 7.25 | 1.27 | 0.60 | 2.32 | 0.00 | 0.00 | 9.53 | 20.97 | | | | | | | | |
| | C35AV002 | 8.52 | 1.49 | 0.60 | 2.82 | 0.00 | 0.00 | 11.19 | 24.62 | | | | | | | | |
| | C35AV003 | 7.38 | 1.30 | 2.22 | 2.73 | 0.07 | 0.01 | 9.70 | 23.41 | | | | | | | | |
| | C35AV004 | 4.37 | 0.77 | 0.00 | 1.50 | 0.05 | 0.01 | 5.75 | 12.45 | | | | | | | | |
| | C35AV005 | 4.14 | 0.73 | 0.60 | 1.82 | 0.05 | 0.01 | 5.45 | 12.80 | | | | | | | | |
| | C35AV006 | 6.95 | 1.22 | 1.20 | 2.63 | 0.06 | 0.01 | 9.14 | 21.21 | | | | | | | | |
| C40 | | | | | | | | | | | | | | | | | |
| | C40MX001 | 3.52 | 0.53 | 0.67 | 0.22 | 0.13 | 0.02 | 4.40 | 9.49 | | | | | | | | |
| | C40MX002 | 0.68 | 0.10 | 0.00 | 1.00 | 0.00 | 0.00 | 0.85 | 2.63 | | | | | | | | |
| | C40MX003 | 11.25 | 1.65 | 1.95 | 0.64 | 0.19 | 0.03 | 14.02 | 29.73 | | | | | | | | |
| | C40MX004 | 13.35 | 1.95 | 2.85 | 0.93 | 0.19 | 0.03 | 16.62 | 35.92 | | | | | | | | |
| | C40MX005 | 14.16 | 2.07 | 3.00 | 0.98 | 0.19 | 0.03 | 17.62 | 38.05 | | | | | | | | |
| | C40MX006 | 5.73 | 0.83 | 0.00 | 1.75 | 0.00 | 0.00 | 7.11 | 15.42 | | | | | | | | |
| | C40MX007 | 5.26 | 0.76 | 0.00 | 1.65 | 0.00 | 0.00 | 6.53 | 14.20 | | | | | | | | |
| | C40RC001 | 16.31 | 2.35 | 2.24 | 3.31 | 0.00 | 0.00 | 20.24 | 44.45 | | | | | | | | |
| | C40RC002 | 18.34 | 2.64 | 3.36 | 4.22 | 0.00 | 0.00 | 22.77 | 51.33 | | | | | | | | |
| | C40RC003 | 20.66 | 2.98 | 4.48 | 5.12 | 0.00 | 0.00 | 25.64 | 58.88 | | | | | | | | |
| | C40RC004 | 22.46 | 3.24 | 5.60 | 7.03 | 0.00 | 0.00 | 27.88 | 66.21 | | | | | | | | |
| | C40RC005 | 23.79 | 3.43 | 6.72 | 7.93 | 0.00 | 0.00 | 29.52 | 71.39 | | | | | | | | |
| | C40ST001 | 0.26 | 0.04 | 0.06 | 0.23 | 0.00 | 0.00 | 0.33 | 0.92 | | | | | | | | |
| | C40ST002 | 0.28 | 0.04 | 0.55 | 0.21 | 0.00 | 0.00 | 0.35 | 1.43 | | | | | | | | |
| | C40ST003 | 0.41 | 0.06 | 0.06 | 0.28 | 0.00 | 0.00 | 0.50 | 1.31 | | | | | | | | |
| | C40ST004 | 0.46 | 0.07 | 0.88 | 0.33 | 0.00 | 0.00 | 0.57 | 2.31 | | | | | | | | |
| | C40ST005 | 0.51 | 0.07 | 0.11 | 0.37 | 0.00 | 0.00 | 0.64 | 1.70 | | | | | | | | |
| | C40ST006 | 0.53 | 0.08 | 0.88 | 0.33 | 0.00 | 0.00 | 0.66 | 2.48 | | | | | | | | |
| C45 | | | | | | | | | | | | | | | | | |
| | C45GO001 | 2.92 | 0.77 | 5.37 | 2.01 | 0.05 | 0.01 | 4.62 | 15.75 | | | | | | | | |
| | C45GO002 | 5.09 | 1.34 | 5.37 | 2.01 | 0.00 | 0.00 | 8.04 | 21.85 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | C45GO003 | 10.58 | 2.78 | 4.31 | 1.41 | 0.00 | 0.00 | 16.70 | 35.78 | | | | | | | | |
| | C45GO004 | 14.33 | 3.76 | 7.46 | 2.44 | 0.00 | 0.00 | 22.61 | 50.60 | | | | | | | | |
| | C45GO005 | 20.35 | 5.34 | 10.68 | 3.50 | 0.00 | 0.00 | 32.10 | 71.97 | | | | | | | | |
| | C45GO006 | 31.33 | 8.22 | 9.43 | 3.09 | 0.00 | 0.00 | 49.43 | 101.50 | | | | | | | | |
| | C45GO007 | 36.75 | 9.64 | 9.43 | 3.09 | 0.00 | 0.00 | 57.97 | 116.88 | | | | | | | | |
| | C45GO008 | 45.96 | 12.06 | 18.31 | 6.00 | 0.00 | 0.00 | 72.50 | 154.83 | | | | | | | | |
| | C45GO009 | 52.22 | 13.70 | 18.31 | 6.00 | 0.00 | 0.00 | 82.38 | 172.61 | | | | | | | | |
| C55 | | | | | | | | | | | | | | | | | |
| | C55MO001 | 2.22 | 0.44 | 4.50 | 1.68 | 0.03 | 0.01 | 3.25 | 12.13 | | | | | | | | |
| | C55MO003 | 4.63 | 0.91 | 5.60 | 1.83 | 0.03 | 0.01 | 6.77 | 19.78 | | | | | | | | |
| | C55MO004 | 5.41 | 1.07 | 5.60 | 1.83 | 0.03 | 0.01 | 7.91 | 21.86 | | | | | | | | |
| | C55MO005 | 10.70 | 2.13 | 8.14 | 2.67 | 0.19 | 0.03 | 15.65 | 39.51 | | | | | | | | |
| | C55MO006 | 11.92 | 2.37 | 10.68 | 3.50 | 0.19 | 0.03 | 17.43 | 46.12 | | | | | | | | |
| | C55MO007 | 18.40 | 3.65 | 10.68 | 3.50 | 0.35 | 0.06 | 26.91 | 63.55 | | | | | | | | |
| | C55MO008 | 20.86 | 4.16 | 10.68 | 3.50 | 0.61 | 0.11 | 30.52 | 70.44 | | | | | | | | |
| | C55MO009 | 26.61 | 5.29 | 13.74 | 4.50 | 0.61 | 0.11 | 38.91 | 89.77 | | | | | | | | |
| | C55MO010 | 27.77 | 5.52 | 13.74 | 4.50 | 0.61 | 0.11 | 40.61 | 92.86 | | | | | | | | |
| | C55MO011 | 29.27 | 5.81 | 13.74 | 4.50 | 0.61 | 0.11 | 42.80 | 96.84 | | | | | | | | |
| | C55MO012 | 30.40 | 6.04 | 13.74 | 4.50 | 0.61 | 0.11 | 44.45 | 99.85 | | | | | | | | |
| | C55SC001 | 5.65 | 1.12 | 3.46 | 1.13 | 0.04 | 0.01 | 8.25 | 19.66 | | | | | | | | |
| | C55SC002 | 12.85 | 2.54 | 9.01 | 2.95 | 0.13 | 0.02 | 18.78 | 46.28 | | | | | | | | |
| | C55SC003 | 18.22 | 3.60 | 10.84 | 3.55 | 0.13 | 0.02 | 26.61 | 62.97 | | | | | | | | |
| | C55SC004 | 23.25 | 4.58 | 18.01 | 5.90 | 0.07 | 0.01 | 33.95 | 85.77 | | | | | | | | |
| | C55SC005 | 22.59 | 4.51 | 16.58 | 5.43 | 0.75 | 0.13 | 33.06 | 83.05 | | | | | | | | |
| | C55SC006 | 31.45 | 6.26 | 16.58 | 5.43 | 0.78 | 0.14 | 45.99 | 106.63 | | | | | | | | |
| | C55SC007 | 37.34 | 7.44 | 18.16 | 5.95 | 1.05 | 0.18 | 54.63 | 124.75 | | | | | | | | |
| | C55SC008 | 46.53 | 9.25 | 18.16 | 5.95 | 1.09 | 0.19 | 68.05 | 149.22 | | | | | | | | |
| | C55SC009 | 58.68 | 11.64 | 27.64 | 9.05 | 1.09 | 0.19 | 85.79 | 194.08 | | | | | | | | |
| C60 | | | | | | | | | | | | | | | | | |
| | C60FE001 | 0.12 | 0.02 | 0.14 | 0.05 | 0.00 | 0.00 | 0.19 | 0.52 | | | | | | | | |
| | C60FE002 | 0.15 | 0.03 | 0.28 | 0.11 | 0.00 | 0.00 | 0.24 | 0.81 | | | | | | | | |
| | C60FE003 | 0.38 | 0.06 | 1.57 | 0.59 | 0.00 | 0.00 | 0.58 | 3.18 | | | | | | | | |
| | C60FE004 | 0.78 | 0.13 | 2.85 | 1.07 | 0.00 | 0.00 | 1.21 | 6.04 | | | | | | | | |
| | C60FE005 | 0.79 | 0.13 | 2.85 | 1.07 | 0.00 | 0.00 | 1.23 | 6.07 | | | | | | | | |
| | C60HO001 | 0.22 | 0.04 | 1.14 | 0.43 | 0.00 | 0.00 | 0.34 | 2.17 | | | | | | | | |
| | C60HO002 | 0.28 | 0.05 | 1.99 | 0.75 | 0.00 | 0.00 | 0.43 | 3.50 | | | | | | | | |
| | C60LY001 | 1.49 | 0.25 | 1.42 | 0.53 | 0.00 | 0.00 | 2.30 | 5.99 | | | | | | | | |
| | C60LY002 | 1.65 | 0.28 | 4.98 | 1.86 | 0.00 | 0.00 | 2.56 | 11.33 | | | | | | | | |
| | C60LY003 | 0.18 | 0.03 | 1.14 | 0.43 | 0.00 | 0.00 | 0.28 | 2.06 | | | | | | | | |
| | C60LY004 | 0.23 | 0.04 | 1.57 | 0.59 | 0.00 | 0.00 | 0.36 | 2.79 | | | | | | | | |
| | C60LY005 | 0.23 | 0.04 | 1.57 | 0.59 | 0.00 | 0.00 | 0.36 | 2.79 | | | | | | | | |
| | C60LY006 | 0.25 | 0.04 | 0.36 | 0.19 | 0.00 | 0.00 | 0.39 | 1.23 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | C60LY007 | 0.87 | 0.15 | 2.56 | 0.96 | 0.00 | 0.00 | 1.34 | 5.88 | | | | | | | | |
| | C60LY008 | 1.06 | 0.18 | 4.98 | 1.86 | 0.00 | 0.00 | 1.65 | 9.73 | | | | | | | | |
| | C60LY009 | 2.00 | 0.34 | 9.25 | 3.46 | 0.00 | 0.00 | 3.10 | 18.15 | | | | | | | | |
| C65 | | | | | | | | | | | | | | | | | |
| | C65MS001 | 0.19 | 0.02 | 0.00 | 0.06 | 0.00 | 0.00 | 0.71 | 0.98 | | | | | | | | |
| | C65MS002 | 0.24 | 0.03 | 0.00 | 0.08 | 0.00 | 0.00 | 0.90 | 1.25 | | | | | | | | |
| | C65MS003 | 0.27 | 0.03 | 0.00 | 0.10 | 0.00 | 0.00 | 1.00 | 1.40 | | | | | | | | |
| | C65MS004 | 0.30 | 0.04 | 0.00 | 0.13 | 0.00 | 0.00 | 1.11 | 1.58 | | | | | | | | |
| | C65MS005 | 0.46 | 0.06 | 0.00 | 0.15 | 0.00 | 0.00 | 1.72 | 2.39 | | | | | | | | |
| | C65WC001 | 0.28 | 0.03 | 0.05 | 0.16 | 0.00 | 0.00 | 1.03 | 1.55 | | | | | | | | |
| | C65WC002 | 0.29 | 0.04 | 0.10 | 0.19 | 0.00 | 0.00 | 1.09 | 1.71 | | | | | | | | |
| C75 | | | | | | | | | | | | | | | | | |
| | C75BA001 | 24.53 | 8.34 | 7.94 | 2.79 | 4.04 | 0.71 | 30.15 | 78.50 | | | | | | | | |
| | C75BA002 | 25.02 | 8.45 | 7.94 | 2.79 | 3.56 | 0.62 | 30.71 | 79.09 | | | | | | | | |
| | C75BD001 | 3.86 | 1.27 | 7.64 | 2.86 | 0.18 | 0.03 | 4.72 | 20.56 | | | | | | | | |
| | C75BD002 | 4.80 | 1.59 | 11.58 | 4.33 | 0.29 | 0.05 | 5.88 | 28.52 | | | | | | | | |
| | C75BD003 | 6.10 | 2.04 | 11.58 | 4.33 | 0.60 | 0.11 | 7.48 | 32.24 | | | | | | | | |
| | C75GV001 | 10.48 | 3.53 | 4.23 | 1.49 | 1.34 | 0.24 | 12.86 | 34.17 | | | | | | | | |
| | C75GV002 | 10.48 | 3.53 | 4.23 | 1.49 | 1.34 | 0.24 | 12.86 | 34.17 | | | | | | | | |
| | C75GV003 | 10.48 | 3.53 | 4.23 | 1.49 | 1.34 | 0.24 | 12.86 | 34.17 | | | | | | | | |
| | C75GV004 | 11.26 | 3.74 | 5.04 | 1.77 | 0.94 | 0.16 | 13.79 | 36.70 | | | | | | | | |
| | C75GV005 | 11.26 | 3.74 | 5.04 | 1.77 | 0.94 | 0.16 | 13.79 | 36.70 | | | | | | | | |
| | C75GV006 | 11.26 | 3.74 | 5.04 | 1.77 | 0.94 | 0.16 | 13.79 | 36.70 | | | | | | | | |
| | C75GV007 | 11.85 | 3.93 | 5.04 | 1.77 | 0.94 | 0.16 | 14.51 | 38.20 | | | | | | | | |
| | C75GV008 | 12.70 | 4.50 | 5.04 | 1.77 | 4.04 | 0.71 | 15.71 | 44.47 | | | | | | | | |
| | C75GV009 | 12.70 | 4.50 | 5.04 | 1.77 | 4.04 | 0.71 | 15.71 | 44.47 | | | | | | | | |
| | C75GV010 | 12.70 | 4.50 | 5.04 | 1.77 | 4.04 | 0.71 | 15.71 | 44.47 | | | | | | | | |
| | C75GV011 | 15.04 | 5.26 | 5.04 | 1.77 | 4.04 | 0.71 | 18.57 | 50.43 | | | | | | | | |
| | C75GV012 | 21.05 | 7.08 | 7.14 | 2.50 | 1.95 | 0.34 | 25.82 | 65.88 | | | | | | | | |
| | C75GV013 | 23.16 | 7.90 | 7.14 | 2.50 | 4.04 | 0.71 | 28.47 | 73.92 | | | | | | | | |
| | C75GV014 | 26.57 | 9.07 | 7.86 | 2.76 | 4.81 | 0.84 | 32.67 | 84.58 | | | | | | | | |
| | C75GV015 | 30.26 | 10.31 | 9.27 | 3.26 | 5.17 | 0.91 | 37.19 | 96.37 | | | | | | | | |
| | C75GV016 | 38.61 | 13.71 | 11.29 | 3.96 | 8.95 | 1.57 | 47.77 | 125.86 | | | | | | | | |
| | C75LO001 | 13.21 | 4.44 | 5.24 | 1.84 | 1.67 | 0.29 | 16.21 | 42.90 | | | | | | | | |
| | C75LO002 | 13.25 | 4.46 | 5.24 | 1.84 | 1.67 | 0.29 | 16.25 | 43.00 | | | | | | | | |
| | C75LO003 | 13.63 | 4.58 | 5.24 | 1.84 | 1.67 | 0.29 | 16.72 | 43.97 | | | | | | | | |
| | C75LO004 | 13.66 | 4.59 | 5.24 | 1.84 | 1.67 | 0.29 | 16.76 | 44.05 | | | | | | | | |
| | C75LO005 | 13.58 | 4.56 | 5.24 | 1.84 | 1.67 | 0.29 | 16.66 | 43.84 | | | | | | | | |
| | C75LO006 | 13.91 | 4.67 | 5.24 | 1.84 | 1.67 | 0.29 | 17.06 | 44.68 | | | | | | | | |
| | C75LO008 | 15.51 | 5.26 | 6.13 | 2.15 | 2.46 | 0.43 | 19.05 | 50.99 | | | | | | | | |
| | C75PH001 | 12.82 | 4.29 | 5.24 | 1.84 | 1.34 | 0.24 | 15.72 | 41.49 | | | | | | | | |
| | C75PH002 | 12.86 | 4.30 | 5.24 | 1.84 | 1.34 | 0.24 | 15.76 | 41.58 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | C75PH003 | 12.86 | 4.30 | 5.24 | 1.84 | 1.34 | 0.24 | 15.76 | 41.58 | | | | | | | | |
| | C75PH004 | 12.86 | 4.30 | 5.24 | 1.84 | 1.34 | 0.24 | 15.76 | 41.58 | | | | | | | | |
| | C75PH005 | 14.07 | 4.72 | 5.24 | 1.84 | 1.64 | 0.29 | 17.25 | 45.05 | | | | | | | | |
| | C75PH006 | 16.28 | 5.44 | 6.25 | 2.19 | 1.67 | 0.29 | 19.95 | 52.07 | | | | | | | | |
| | C75PH007 | 16.37 | 5.47 | 6.25 | 2.19 | 1.67 | 0.29 | 20.06 | 52.30 | | | | | | | | |
| | C75PH012 | 22.02 | 7.47 | 8.06 | 2.83 | 3.43 | 0.60 | 27.04 | 71.45 | | | | | | | | |
| | C75PH013 | 27.80 | 9.51 | 9.19 | 3.23 | 5.17 | 0.91 | 34.19 | 90.00 | | | | | | | | |
| | C75TD002 | 13.24 | 4.44 | 6.17 | 2.17 | 1.59 | 0.28 | 16.23 | 44.12 | | | | | | | | |
| | C75TD003 | 15.70 | 5.25 | 7.66 | 2.69 | 1.67 | 0.29 | 19.24 | 52.50 | | | | | | | | |
| | C75TD004 | 22.60 | 7.71 | 7.66 | 2.69 | 4.04 | 0.71 | 27.79 | 73.20 | | | | | | | | |
| | C75TD005 | 24.06 | 8.26 | 7.66 | 2.69 | 4.81 | 0.84 | 29.61 | 77.93 | | | | | | | | |
| | C75TD006 | 13.75 | 4.61 | 7.26 | 2.55 | 1.56 | 0.27 | 16.86 | 46.86 | | | | | | | | |
| | C75TD007 | 16.06 | 5.37 | 7.26 | 2.55 | 1.67 | 0.29 | 19.68 | 52.88 | | | | | | | | |
| | C75TD008 | 23.71 | 8.09 | 7.26 | 2.55 | 4.19 | 0.74 | 29.15 | 75.69 | | | | | | | | |
| | C75TD009 | 26.42 | 9.06 | 7.26 | 2.55 | 5.17 | 0.91 | 32.50 | 83.87 | | | | | | | | |
| C80 | | | | | | | | | | | | | | | | | |
| | C80GV001 | 14.49 | 4.77 | 6.05 | 2.55 | 0.59 | 0.10 | 13.29 | 41.84 | 16.91 | 4.83 | 7.90 | 3.33 | 0.73 | 0.13 | 16.80 | 50.63 |
| | C80GV002 | 13.05 | 4.86 | 6.05 | 1.84 | 0.59 | 0.10 | 13.95 | 40.44 | 14.91 | 4.90 | 7.90 | 2.40 | 0.73 | 0.13 | 17.09 | 48.06 |
| | C80GV003 | 13.91 | 5.18 | 6.39 | 1.94 | 0.62 | 0.11 | 14.87 | 43.02 | 15.90 | 5.23 | 8.35 | 2.54 | 0.77 | 0.14 | 18.21 | 51.14 |
| | C80GV004 | 15.75 | 5.86 | 6.39 | 1.94 | 0.64 | 0.11 | 16.84 | 47.53 | 18.00 | 5.91 | 8.35 | 2.54 | 0.79 | 0.14 | 20.63 | 56.36 |
| | C80GV005 | 18.04 | 6.74 | 7.08 | 2.16 | 1.00 | 0.18 | 19.30 | 54.50 | 20.62 | 6.80 | 9.25 | 2.81 | 1.22 | 0.21 | 23.64 | 64.55 |
| | C80GV006 | 20.78 | 7.74 | 7.08 | 2.16 | 1.00 | 0.18 | 22.22 | 61.16 | 23.75 | 7.82 | 9.25 | 2.81 | 1.22 | 0.21 | 27.21 | 72.27 |
| | C80GV007 | 25.00 | 9.30 | 8.67 | 2.64 | 1.04 | 0.18 | 26.73 | 73.56 | 28.57 | 9.39 | 11.33 | 3.45 | 1.27 | 0.22 | 32.73 | 86.96 |
| | C80GV008 | 23.99 | 10.12 | 8.67 | 2.64 | 2.55 | 0.45 | 29.40 | 77.82 | 26.99 | 10.20 | 11.33 | 3.45 | 3.08 | 0.54 | 35.15 | 90.74 |
| | C80GV009 | 27.67 | 11.59 | 9.68 | 2.95 | 2.27 | 0.40 | 33.87 | 88.43 | 31.13 | 11.69 | 12.26 | 3.73 | 2.79 | 0.49 | 40.49 | 102.58 |
| | C80GV010 | 28.01 | 11.78 | 9.63 | 2.93 | 2.77 | 0.49 | 34.30 | 89.91 | 31.51 | 11.87 | 12.19 | 3.71 | 3.42 | 0.60 | 41.01 | 104.31 |
| | C80GV011 | 37.11 | 17.24 | 8.63 | 2.62 | 4.15 | 0.73 | 51.15 | 121.63 | 41.23 | 17.35 | 10.85 | 3.30 | 5.13 | 0.90 | 60.00 | 138.76 |
| | C80GV012 | 47.09 | 21.75 | 9.13 | 2.78 | 4.15 | 0.73 | 64.86 | 150.49 | 52.32 | 21.89 | 11.43 | 3.48 | 5.13 | 0.90 | 76.08 | 171.23 |
| | C80LI001 | 17.34 | 5.70 | 6.91 | 2.91 | 0.70 | 0.12 | 15.91 | 49.59 | 20.23 | 5.78 | 9.02 | 3.80 | 0.87 | 0.15 | 20.11 | 59.96 |
| | C80LI002 | 16.56 | 5.45 | 7.08 | 2.98 | 0.68 | 0.12 | 15.19 | 48.06 | 19.32 | 5.52 | 9.25 | 3.90 | 0.85 | 0.15 | 19.20 | 58.19 |
| | C80LI003 | 16.15 | 6.01 | 7.26 | 2.21 | 0.68 | 0.12 | 17.27 | 49.70 | 18.46 | 6.06 | 9.48 | 2.88 | 0.83 | 0.15 | 21.15 | 59.01 |
| | C80LI004 | 16.81 | 6.25 | 7.26 | 2.21 | 0.68 | 0.12 | 17.97 | 51.30 | 19.21 | 6.31 | 9.48 | 2.88 | 0.83 | 0.15 | 22.01 | 60.87 |
| | C80LI005 | 19.26 | 7.19 | 8.29 | 2.52 | 1.00 | 0.18 | 20.61 | 59.05 | 22.02 | 7.26 | 10.83 | 3.29 | 1.22 | 0.21 | 25.24 | 70.07 |
| | C80LI006 | 21.11 | 7.87 | 8.29 | 2.52 | 1.04 | 0.18 | 22.57 | 63.58 | 24.12 | 7.94 | 10.83 | 3.29 | 1.27 | 0.22 | 27.65 | 75.32 |
| | C80LI007 | 22.01 | 8.21 | 8.29 | 2.52 | 1.10 | 0.19 | 23.54 | 65.86 | 25.15 | 8.29 | 10.83 | 3.29 | 1.33 | 0.23 | 28.83 | 77.95 |
| | C80PH001 | 17.34 | 5.70 | 7.26 | 3.06 | 0.67 | 0.12 | 15.90 | 50.05 | 20.23 | 5.77 | 9.48 | 3.99 | 0.83 | 0.15 | 20.10 | 60.55 |
| | C80PH002 | 15.66 | 5.80 | 7.26 | 2.21 | 0.42 | 0.07 | 16.73 | 48.15 | 17.89 | 5.85 | 9.48 | 2.88 | 0.51 | 0.09 | 20.49 | 57.19 |
| | C80PH003 | 15.66 | 5.80 | 7.26 | 2.21 | 0.42 | 0.07 | 16.73 | 48.15 | 17.90 | 5.86 | 9.48 | 2.88 | 0.51 | 0.09 | 20.49 | 57.21 |
| | C80PH006 | 21.17 | 7.89 | 8.64 | 2.63 | 1.00 | 0.18 | 22.64 | 64.15 | 24.19 | 7.96 | 11.28 | 3.43 | 1.22 | 0.21 | 27.72 | 76.01 |
| | C80PH007 | 25.03 | 9.30 | 12.10 | 3.68 | 1.00 | 0.18 | 26.76 | 78.05 | 28.61 | 9.39 | 15.79 | 4.80 | 1.22 | 0.21 | 32.77 | 92.79 |
| C85 | | | | | | | | | | | | | | | | | |
| | C85AM002 | 26.02 | 8.44 | 3.36 | 1.34 | 0.00 | 0.00 | 33.74 | 72.90 | 30.36 | 8.55 | 4.32 | 1.72 | 0.00 | 0.00 | 44.01 | 88.96 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | C85AM003 | 54.32 | 19.95 | 7.77 | 2.00 | 0.00 | 0.00 | 78.73 | 162.77 | 62.08 | 20.14 | 9.99 | 2.57 | 0.00 | 0.00 | 99.40 | 194.18 |
| | C85AM004 | 110.69 | 45.36 | 24.19 | 6.79 | 0.00 | 0.00 | 177.24 | 364.27 | 124.53 | 45.73 | 31.10 | 8.73 | 0.00 | 0.00 | 218.44 | 428.53 |
| | C85AM005 | 111.03 | 45.50 | 24.19 | 6.79 | 0.00 | 0.00 | 177.78 | 365.29 | 124.91 | 45.87 | 31.10 | 8.73 | 0.00 | 0.00 | 219.11 | 429.72 |
| | C85AM007 | 24.99 | 8.64 | 2.64 | 0.62 | 0.00 | 0.00 | 28.57 | 65.46 | 28.83 | 8.74 | 3.48 | 0.81 | 0.00 | 0.00 | 35.17 | 77.03 |
| | C85AM008 | 22.32 | 9.14 | 2.64 | 0.68 | 0.00 | 0.00 | 28.93 | 63.71 | 25.11 | 9.22 | 3.48 | 0.90 | 0.00 | 0.00 | 34.47 | 73.18 |
| | C85AM009 | 24.13 | 9.89 | 2.64 | 0.68 | 0.00 | 0.00 | 31.29 | 68.63 | 27.15 | 9.97 | 3.48 | 0.90 | 0.00 | 0.00 | 37.27 | 78.77 |
| | C85AM010 | 32.22 | 13.20 | 4.50 | 1.16 | 0.00 | 0.00 | 41.78 | 92.86 | 36.25 | 13.31 | 5.93 | 1.53 | 0.00 | 0.00 | 49.77 | 106.79 |
| | C85AM011 | 50.51 | 20.70 | 6.10 | 1.57 | 0.00 | 0.00 | 65.49 | 144.37 | 56.83 | 20.87 | 8.05 | 2.07 | 0.00 | 0.00 | 78.02 | 165.84 |
| | C85AM012 | 48.90 | 22.12 | 5.89 | 1.65 | 0.00 | 0.00 | 70.88 | 149.44 | 54.34 | 22.27 | 7.77 | 2.18 | 0.00 | 0.00 | 82.85 | 169.41 |
| | C85AM013 | 59.22 | 26.79 | 5.89 | 1.65 | 0.00 | 0.00 | 85.84 | 179.39 | 65.80 | 26.96 | 7.77 | 2.18 | 0.00 | 0.00 | 100.33 | 203.04 |
| | C85AM014 | 80.72 | 36.51 | 10.96 | 3.08 | 0.00 | 0.00 | 117.00 | 248.27 | 89.69 | 36.75 | 14.45 | 4.06 | 0.00 | 0.00 | 136.75 | 281.70 |
| | C85AM015 | 111.08 | 50.25 | 10.96 | 3.08 | 0.00 | 0.00 | 161.00 | 336.37 | 123.42 | 50.58 | 14.45 | 4.06 | 0.00 | 0.00 | 188.19 | 380.70 |
| | C85LB002 | 17.02 | 5.89 | 2.53 | 0.59 | 0.00 | 0.00 | 19.46 | 45.49 | 19.63 | 5.95 | 3.34 | 0.78 | 0.00 | 0.00 | 23.95 | 53.65 |
| | C85LB003 | 20.31 | 7.03 | 2.53 | 0.59 | 0.00 | 0.00 | 23.23 | 53.69 | 23.44 | 7.11 | 3.34 | 0.78 | 0.00 | 0.00 | 28.60 | 63.27 |
| | C85LB004 | 24.09 | 8.33 | 2.53 | 0.59 | 0.00 | 0.00 | 27.55 | 63.09 | 27.80 | 8.43 | 3.34 | 0.78 | 0.00 | 0.00 | 33.91 | 74.26 |
| | C85LB005 | 26.27 | 10.76 | 4.12 | 1.06 | 0.00 | 0.00 | 34.06 | 76.27 | 29.55 | 10.85 | 5.43 | 1.40 | 0.00 | 0.00 | 40.57 | 87.80 |
| | C85LB006 | 30.54 | 12.52 | 5.28 | 1.36 | 0.00 | 0.00 | 39.60 | 89.30 | 34.36 | 12.62 | 6.96 | 1.79 | 0.00 | 0.00 | 47.17 | 102.90 |
| | C85LB007 | 38.33 | 15.71 | 5.22 | 1.34 | 0.00 | 0.00 | 49.70 | 110.30 | 43.12 | 15.84 | 6.88 | 1.77 | 0.00 | 0.00 | 59.21 | 126.82 |
| | C85LB008 | 125.72 | 56.87 | 12.67 | 3.56 | 0.00 | 0.00 | 182.23 | 381.05 | 139.69 | 57.24 | 16.70 | 4.69 | 0.00 | 0.00 | 212.99 | 431.31 |
| | C85LB009 | 150.53 | 68.09 | 12.67 | 3.56 | 0.00 | 0.00 | 218.18 | 453.03 | 167.26 | 68.54 | 16.70 | 4.69 | 0.00 | 0.00 | 255.02 | 512.21 |
| | C85LB010 | 63.28 | 28.63 | 9.50 | 2.67 | 0.00 | 0.00 | 91.73 | 195.81 | 70.32 | 28.81 | 12.53 | 3.52 | 0.00 | 0.00 | 107.21 | 222.39 |
| | C85LB011 | 72.93 | 32.99 | 9.50 | 2.57 | 0.00 | 0.00 | 105.71 | 223.80 | 81.04 | 33.21 | 12.53 | 3.52 | 0.00 | 0.00 | 123.56 | 253.86 |
| | C85MA001 | 33.54 | 12.31 | 7.71 | 1.99 | 0.00 | 0.00 | 48.61 | 104.16 | 38.33 | 12.43 | 9.92 | 2.55 | 0.00 | 0.00 | 61.37 | 124.60 |
| | C85MA002 | 56.34 | 20.69 | 9.68 | 2.49 | 0.00 | 0.00 | 81.67 | 170.87 | 64.39 | 20.89 | 12.44 | 3.20 | 0.00 | 0.00 | 103.11 | 204.03 |
| | C85MA003 | 78.86 | 32.32 | 18.41 | 5.17 | 0.00 | 0.00 | 126.28 | 261.04 | 88.72 | 32.58 | 23.67 | 6.65 | 0.00 | 0.00 | 155.63 | 307.25 |
| | C85MA004 | 32.63 | 13.37 | 6.06 | 1.56 | 0.00 | 0.00 | 42.30 | 95.92 | 36.70 | 13.48 | 7.99 | 2.06 | 0.00 | 0.00 | 50.39 | 110.62 |
| | C85MA005 | 38.58 | 15.81 | 6.34 | 1.63 | 0.00 | 0.00 | 50.01 | 112.37 | 43.40 | 15.94 | 8.35 | 2.15 | 0.00 | 0.00 | 59.58 | 129.42 |
| | C85MA006 | 48.31 | 21.85 | 7.60 | 2.13 | 0.00 | 0.00 | 70.02 | 149.91 | 53.68 | 22.00 | 10.02 | 2.81 | 0.00 | 0.00 | 81.85 | 170.36 |
| | C85MA007 | 75.53 | 34.17 | 14.47 | 4.06 | 0.00 | 0.00 | 109.48 | 237.71 | 83.93 | 34.39 | 19.07 | 5.35 | 0.00 | 0.00 | 127.96 | 270.70 |
| | C85NO001 | 23.63 | 6.65 | 5.11 | 1.91 | 0.00 | 0.00 | 28.83 | 66.13 | 28.35 | 6.78 | 6.57 | 2.46 | 0.00 | 0.00 | 38.93 | 83.09 |
| | C85NO002 | 20.48 | 6.65 | 5.11 | 2.03 | 0.00 | 0.00 | 26.56 | 60.83 | 23.90 | 6.73 | 6.57 | 2.61 | 0.00 | 0.00 | 34.64 | 74.45 |
| | C85NO003 | 24.02 | 7.79 | 6.40 | 2.54 | 0.00 | 0.00 | 31.14 | 71.89 | 28.02 | 7.89 | 8.23 | 3.27 | 0.00 | 0.00 | 40.61 | 88.02 |
| | C85NO004 | 33.85 | 10.98 | 6.40 | 2.54 | 0.00 | 0.00 | 43.88 | 97.65 | 39.49 | 11.12 | 8.23 | 3.27 | 0.00 | 0.00 | 57.24 | 119.35 |
| | C85NO005 | 34.75 | 12.76 | 6.40 | 1.65 | 0.00 | 0.00 | 50.37 | 105.93 | 39.72 | 12.88 | 8.23 | 2.12 | 0.00 | 0.00 | 63.59 | 126.54 |
| | C85NO006 | 33.07 | 12.14 | 8.17 | 2.10 | 0.00 | 0.00 | 47.93 | 103.41 | 37.79 | 12.26 | 10.51 | 2.70 | 0.00 | 0.00 | 60.51 | 123.77 |
| | C85NO007 | 39.85 | 16.33 | 12.26 | 3.44 | 0.00 | 0.00 | 63.81 | 135.69 | 44.84 | 16.46 | 15.76 | 4.43 | 0.00 | 0.00 | 78.65 | 160.14 |
| | C85NO008 | 17.32 | 5.99 | 4.01 | 0.94 | 0.00 | 0.00 | 19.81 | 48.07 | 19.99 | 6.06 | 5.29 | 1.24 | 0.00 | 0.00 | 24.39 | 56.97 |
| | C85NO009 | 17.46 | 6.04 | 4.01 | 0.94 | 0.00 | 0.00 | 19.97 | 48.42 | 20.15 | 6.11 | 5.29 | 1.24 | 0.00 | 0.00 | 24.58 | 57.37 |
| | C85NO010 | 22.31 | 7.72 | 5.03 | 1.18 | 0.00 | 0.00 | 25.51 | 61.75 | 25.74 | 7.80 | 6.63 | 1.55 | 0.00 | 0.00 | 31.40 | 73.12 |
| | C85NO011 | 25.92 | 10.62 | 5.03 | 1.29 | 0.00 | 0.00 | 33.60 | 76.46 | 29.16 | 10.71 | 6.63 | 1.71 | 0.00 | 0.00 | 40.03 | 88.24 |
| | C85NO012 | 31.73 | 13.00 | 5.03 | 1.29 | 0.00 | 0.00 | 41.13 | 92.18 | 35.69 | 13.11 | 6.63 | 1.71 | 0.00 | 0.00 | 49.00 | 106.14 |
| | C85NO013 | 28.99 | 11.88 | 6.42 | 1.65 | 0.00 | 0.00 | 37.59 | 86.53 | 32.62 | 11.98 | 8.46 | 2.18 | 0.00 | 0.00 | 44.78 | 100.02 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID.NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | C85NO014 | 41.23 | 16.89 | 9.63 | 2.48 | 0.00 | 0.00 | 53.45 | 123.68 | 46.38 | 17.03 | 12.70 | 3.27 | 0.00 | 0.00 | 63.68 | 143.06 |
| | C85PH001 | 12.85 | 3.62 | 2.50 | 0.94 | 0.00 | 0.00 | 15.68 | 35.59 | 15.43 | 3.69 | 3.21 | 1.20 | 0.00 | 0.00 | 21.18 | 44.71 |
| | C85PH002 | 23.08 | 7.49 | 3.49 | 1.39 | 0.00 | 0.00 | 29.92 | 65.37 | 26.93 | 7.58 | 4.49 | 1.79 | 0.00 | 0.00 | 39.03 | 79.82 |
| | C85PH004 | 33.64 | 12.35 | 6.99 | 1.80 | 0.00 | 0.00 | 48.76 | 103.54 | 38.44 | 12.47 | 8.99 | 2.31 | 0.00 | 0.00 | 61.56 | 123.77 |
| | C85PH005 | 44.20 | 16.23 | 6.99 | 1.80 | 0.00 | 0.00 | 64.06 | 133.28 | 50.51 | 16.39 | 8.99 | 2.31 | 0.00 | 0.00 | 80.88 | 159.08 |
| | C85PH006 | 11.94 | 3.62 | 1.96 | 0.74 | 0.00 | 0.00 | 11.84 | 30.10 | 14.11 | 3.68 | 2.59 | 0.97 | 0.00 | 0.00 | 15.06 | 36.41 |
| | C85PH007 | 19.33 | 7.92 | 2.75 | 0.71 | 0.00 | 0.00 | 25.06 | 55.77 | 21.75 | 7.99 | 3.62 | 0.93 | 0.00 | 0.00 | 29.86 | 64.15 |
| | C85PH009 | 31.05 | 12.72 | 5.49 | 1.41 | 0.00 | 0.00 | 40.25 | 90.92 | 34.93 | 12.83 | 7.24 | 1.86 | 0.00 | 0.00 | 47.96 | 104.82 |
| | C85PH010 | 38.48 | 17.40 | 5.49 | 1.54 | 0.00 | 0.00 | 55.77 | 118.68 | 42.75 | 17.52 | 7.24 | 2.03 | 0.00 | 0.00 | 65.18 | 134.72 |
| | C85PH011 | 50.54 | 22.86 | 6.93 | 1.95 | 0.00 | 0.00 | 73.25 | 155.53 | 56.15 | 23.01 | 9.13 | 2.56 | 0.00 | 0.00 | 85.62 | 176.47 |
| C90 | | | | | | | | | | | | | | | | | |
| | C90AM001 | 27.28 | 11.39 | 6.55 | 1.99 | 1.99 | 0.35 | 33.38 | 82.93 | 30.69 | 11.49 | 8.26 | 2.51 | 2.46 | 0.43 | 39.90 | 95.74 |
| | C90AM002 | 33.81 | 14.10 | 14.36 | 4.37 | 2.28 | 0.40 | 41.36 | 110.68 | 38.04 | 14.22 | 18.33 | 5.58 | 2.82 | 0.49 | 49.45 | 128.93 |
| | C90AM003 | 44.15 | 20.18 | 11.99 | 3.65 | 1.91 | 0.34 | 60.71 | 142.93 | 49.06 | 20.31 | 15.27 | 4.65 | 2.37 | 0.42 | 71.22 | 163.30 |
| | C90AM004 | 58.97 | 27.37 | 13.29 | 4.04 | 6.40 | 1.12 | 81.28 | 192.47 | 65.53 | 27.55 | 16.79 | 5.11 | 7.90 | 1.39 | 95.35 | 219.62 |
| | C90LI001 | 23.93 | 8.91 | 4.74 | 1.44 | 1.08 | 0.19 | 25.59 | 65.88 | 27.35 | 8.99 | 5.93 | 1.80 | 1.33 | 0.23 | 31.34 | 76.97 |
| | C90LI002 | 28.76 | 10.78 | 6.64 | 2.02 | 1.99 | 0.35 | 30.78 | 81.32 | 32.86 | 10.88 | 8.28 | 2.52 | 2.46 | 0.43 | 37.70 | 95.13 |
| | C90LI003 | 37.23 | 15.56 | 8.55 | 2.60 | 2.77 | 0.49 | 45.56 | 112.76 | 41.89 | 15.69 | 10.76 | 3.27 | 3.43 | 0.60 | 54.47 | 130.11 |
| | C90LI004 | 40.92 | 18.81 | 8.55 | 2.60 | 2.77 | 0.49 | 56.32 | 130.46 | 45.47 | 18.93 | 10.76 | 3.27 | 3.43 | 0.60 | 66.06 | 148.52 |
| | C90LI005 | 66.81 | 30.67 | 14.79 | 4.50 | 4.16 | 0.73 | 91.93 | 213.59 | 74.23 | 30.87 | 18.76 | 5.71 | 5.14 | 0.90 | 107.83 | 243.44 |
| | C90PH001 | 43.26 | 19.87 | 10.07 | 3.06 | 2.77 | 0.49 | 59.53 | 139.05 | 48.07 | 20.00 | 12.76 | 3.88 | 3.43 | 0.60 | 69.83 | 158.57 |
| | C90PH002 | 78.83 | 36.15 | 17.09 | 5.20 | 4.50 | 0.79 | 108.45 | 251.01 | 87.59 | 36.38 | 21.75 | 6.62 | 5.56 | 0.98 | 127.21 | 286.09 |
| C95 | | | | | | | | | | | | | | | | | |
| | C95LH001 | 16.94 | 7.65 | 3.22 | 4.89 | 0.00 | 0.00 | 23.33 | 56.03 | | | | | | | | |
| | C95LH002 | 18.63 | 8.42 | 3.22 | 4.89 | 0.00 | 0.00 | 25.67 | 60.83 | | | | | | | | |
| | C95LH003 | 21.26 | 9.60 | 4.89 | 5.86 | 0.00 | 0.00 | 29.28 | 70.89 | | | | | | | | |
| | C95LH004 | 22.29 | 10.07 | 4.89 | 5.86 | 0.00 | 0.00 | 30.71 | 73.82 | | | | | | | | |
| | C95LH005 | 29.63 | 13.39 | 6.29 | 7.68 | 0.00 | 0.00 | 40.82 | 97.81 | | | | | | | | |
| | C95LH006 | 33.04 | 14.92 | 6.29 | 7.68 | 0.00 | 0.00 | 45.51 | 107.44 | | | | | | | | |
| | C95LH007 | 38.74 | 17.50 | 6.34 | 7.71 | 0.00 | 0.00 | 53.37 | 123.66 | | | | | | | | |
| | C95LH008 | 41.62 | 18.80 | 6.34 | 7.71 | 0.00 | 0.00 | 57.33 | 131.80 | | | | | | | | |
| | C95LH009 | 40.55 | 18.32 | 6.34 | 7.71 | 0.00 | 0.00 | 55.86 | 128.78 | | | | | | | | |
| | C95LH010 | 42.61 | 19.25 | 6.34 | 7.71 | 0.00 | 0.00 | 58.70 | 134.61 | | | | | | | | |
| | C95LH011 | 56.51 | 25.52 | 8.68 | 10.08 | 0.00 | 0.00 | 77.84 | 178.63 | | | | | | | | |
| | C95LH012 | 63.66 | 28.76 | 8.68 | 10.08 | 0.00 | 0.00 | 87.70 | 198.88 | | | | | | | | |
| | C95LH013 | 66.04 | 29.83 | 8.84 | 10.17 | 0.00 | 0.00 | 90.97 | 205.85 | | | | | | | | |
| | C95LH014 | 69.62 | 31.45 | 8.84 | 10.17 | 0.00 | 0.00 | 95.90 | 215.98 | | | | | | | | |
| | C95LH015 | 106.23 | 47.98 | 10.40 | 13.08 | 0.00 | 0.00 | 146.33 | 324.02 | | | | | | | | |
| | C95LH016 | 122.29 | 55.24 | 10.40 | 13.08 | 0.00 | 0.00 | 168.45 | 369.46 | | | | | | | | |
| | C95LH017 | 5.43 | 2.45 | 0.88 | 2.52 | 0.00 | 0.00 | 7.48 | 18.76 | | | | | | | | |
| | C95LH018 | 7.13 | 3.22 | 0.99 | 2.58 | 0.00 | 0.00 | 9.83 | 23.75 | | | | | | | | |
| | C95LH019 | 14.64 | 6.61 | 1.72 | 3.00 | 0.00 | 0.00 | 20.17 | 46.14 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | SEVERE OPERATING CONDITIONS DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | C95LH020 | 15.96 | 7.21 | 1.82 | 3.06 | 0.00 | 0.00 | 21.99 | 50.04 | | | | | | | | |
| | C95LH021 | 23.15 | 10.46 | 1.82 | 3.06 | 0.00 | 0.00 | 31.89 | 70.38 | | | | | | | | |
| | C95LH022 | 29.36 | 13.26 | 3.38 | 4.98 | 0.00 | 0.00 | 40.45 | 91.43 | | | | | | | | |
| D10 | | | | | | | | | | | | | | | | | |
| | D10GD001 | 7.57 | 1.99 | 0.00 | 0.79 | 0.00 | 0.00 | 11.77 | 22.12 | | | | | | | | |
| | D10GD002 | 7.71 | 2.02 | 0.00 | 0.79 | 0.00 | 0.00 | 11.99 | 22.51 | | | | | | | | |
| | D10GD003 | 7.95 | 2.09 | 0.00 | 0.79 | 0.00 | 0.00 | 12.36 | 23.19 | | | | | | | | |
| | D10GD004 | 8.25 | 2.16 | 0.00 | 0.84 | 0.00 | 0.00 | 12.83 | 24.08 | | | | | | | | |
| | D10GD005 | 8.41 | 2.21 | 0.00 | 0.84 | 0.00 | 0.00 | 13.07 | 24.53 | | | | | | | | |
| | D10GD006 | 8.64 | 2 27 | 0.00 | 0.84 | 0.00 | 0.00 | 13.43 | 25.18 | | | | | | | | |
| | D10GD007 | 14.60 | 3.83 | 6.57 | 2.15 | 0.00 | 0.00 | 22.70 | 49.85 | | | | | | | | |
| | D10GD008 | 20.75 | 5.44 | 9.63 | 3.16 | 0.00 | 0.00 | 32.26 | 71.24 | | | | | | | | |
| | D10IN001 | 14.23 | 3.73 | 9.29 | 3.04 | 0.00 | 0.00 | 22.12 | 52.41 | | | | | | | | |
| | D10IN002 | 8.92 | 2.34 | 0.00 | 0.84 | 0.00 | 0.00 | 13.87 | 25.97 | | | | | | | | |
| | D10IN003 | 7.89 | 2.07 | 0.00 | 0.79 | 0.00 | 0.00 | 12.26 | 23.01 | | | | | | | | |
| | D10SU001 | 3.10 | 0.81 | 0.00 | 0.49 | 0.00 | 0.00 | 4.83 | 9.23 | | | | | | | | |
| | D10SU002 | 8.91 | 2.34 | 0.00 | 0.80 | 0.00 | 0.00 | 13.85 | 25.90 | | | | | | | | |
| | D10SU003 | 9.41 | 2.47 | 0.00 | 0.80 | 0.00 | 0.00 | 14.64 | 27.32 | | | | | | | | |
| | D10SU004 | 12.62 | 3.31 | 0.00 | 0.90 | 0.00 | 0.00 | 19.63 | 36.46 | | | | | | | | |
| D15 | | | | | | | | | | | | | | | | | |
| | D15BI001 | 0.70 | 0.18 | 1.27 | 0.48 | 0.00 | 0.00 | 0.98 | 3.61 | | | | | | | | |
| | D15BI002 | 1.08 | 0.28 | 2.03 | 0 76 | 0.00 | 0.00 | 1.51 | 5.66 | | | | | | | | |
| | D15BI003 | 1.31 | 0.34 | 1.34 | 0.44 | 0.00 | 0.00 | 1.83 | 5.26 | | | | | | | | |
| | D15BI004 | 2.62 | 0.69 | 1.94 | 0.64 | 0.00 | 0.00 | 3.67 | 9.56 | | | | | | | | |
| | D15BI005 | 3.48 | 0.91 | 2.81 | 0.92 | 0.00 | 0.00 | 4.87 | 12.99 | | | | | | | | |
| | D15BI006 | 5.50 | 1.44 | 3.89 | 1.27 | 0.00 | 0.00 | 7.70 | 19.80 | | | | | | | | |
| | D15BI007 | 7.24 | 1.90 | 4.75 | 1.56 | 0.00 | 0.00 | 10.12 | 25.57 | | | | | | | | |
| D20 | | | | | | | | | | | | | | | | | |
| | D20AD001 | 0.24 | 0.05 | 0.06 | 0.23 | 0.00 | 0.00 | 0.32 | 0.90 | | | | | | | | |
| | D20AD002 | 0.30 | 0.06 | 0.13 | 0.32 | 0.00 | 0.00 | 0.39 | 1.20 | | | | | | | | |
| | D20AD003 | 0.48 | 0.10 | 0.19 | 0.40 | 0.00 | 0.00 | 0.63 | 1.80 | | | | | | | | |
| | D20AD004 | 1.09 | 0.23 | 0.70 | 1.36 | 0.00 | 0.00 | 1.44 | 4.82 | | | | | | | | |
| | D20LY001 | 0.46 | 0.10 | 0.19 | 0.60 | 0.00 | 0.00 | 0.61 | 1.96 | | | | | | | | |
| | D20LY002 | 0.49 | 0.11 | 0.00 | 0.60 | 0.00 | 0.00 | 0.65 | 1.85 | | | | | | | | |
| D25 | | | | | | | | | | | | | | | | | |
| | D25AD001 | 2.37 | 0.62 | 0.86 | 0.24 | 0.00 | 0.00 | 3.68 | 7.77 | | | | | | | | |
| | D25AD002 | 3.21 | 0.84 | 2.07 | 0.58 | 0.00 | 0.00 | 4.99 | 11.69 | | | | | | | | |
| | D25AD003 | 4.34 | 1.14 | 2.25 | 0.63 | 0.00 | 0.00 | 6.76 | 15.12 | | | | | | | | |
| | D25DE001 | 1.36 | 0.36 | 0.86 | 0.24 | 0.00 | 0.00 | 2.11 | 4.93 | | | | | | | | |
| | D25EZ001 | 0.43 | 0.11 | 0.00 | 0.50 | 0.00 | 0.00 | 0.67 | 1.71 | | | | | | | | |
| | D25EZ002 | 0.43 | 0.12 | 0.00 | 0.50 | 0.04 | 0.01 | 0.68 | 1.78 | | | | | | | | |
| | D25EZ003 | 0.44 | 0.12 | 0.00 | 0.50 | 0.03 | 0.01 | 0.68 | 1.78 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | D25EZ004 | 1.71 | 0.46 | 0.00 | 1.20 | 0.05 | 0.01 | 2.67 | 6.10 | | | | | | | | |
| | D25EZ005 | 1.87 | 0.50 | 0.00 | 1.25 | 0.05 | 0.01 | 2.92 | 6.60 | | | | | | | | |
| | D25SP001 | 1.52 | 0.40 | 3.81 | 0.71 | 0.00 | 0.00 | 2.37 | 8.81 | | | | | | | | |
| | D25SP002 | 1.64 | 0.43 | 2.92 | 0.55 | 0.00 | 0.00 | 2.56 | 8.10 | | | | | | | | |
| | D25SP003 | 2.46 | 0.64 | 5.08 | 0.95 | 0.00 | 0.00 | 3.82 | 12.95 | | | | | | | | |
| | D25SP004 | 2.72 | 0.71 | 5.84 | 1.09 | 0.00 | 0.00 | 4.23 | 14.59 | | | | | | | | |
| | D25SP005 | 3.52 | 0.92 | 11.56 | 2.16 | 0.00 | 0.00 | 5.48 | 23.64 | | | | | | | | |
| | D25SP006 | 2.07 | 0.55 | 1.51 | 0.42 | 0.04 | 0.01 | 3.22 | 7.82 | | | | | | | | |
| | D25SP007 | 2.58 | 0.68 | 2.03 | 0.57 | 0.04 | 0.01 | 4.01 | 9.92 | | | | | | | | |
| D30 | | | | | | | | | | | | | | | | | |
| | D30DE002 | 2.11 | 0.56 | 1.30 | 0.42 | 0.09 | 0.02 | 3.29 | 7.79 | | | | | | | | |
| | D30HD001 | 5.72 | 1.50 | 9.07 | 4.97 | 0.00 | 0.00 | 8.89 | 30.15 | | | | | | | | |
| | D30HD002 | 9.94 | 2.61 | 11.66 | 6.82 | 0.00 | 0.00 | 15.46 | 46.49 | | | | | | | | |
| | D30HD003 | 11.45 | 3.00 | 14.47 | 8.74 | 0.00 | 0.00 | 17.80 | 55.46 | | | | | | | | |
| | D30MR001 | 0.46 | 0.12 | 0.89 | 0.33 | 0.00 | 0.00 | 0.72 | 2.52 | | | | | | | | |
| | D30MR002 | 1.27 | 0.33 | 3.05 | 1.14 | 0.00 | 0.00 | 1.98 | 7.77 | | | | | | | | |
| | D30MR003 | 2.17 | 0.58 | 12.06 | 4.52 | 0.09 | 0.02 | 3.39 | 22.83 | | | | | | | | |
| | D30MR004 | 2.66 | 0.71 | 4.54 | 1.49 | 0.09 | 0.02 | 4.14 | 13.65 | | | | | | | | |
| | D30MR005 | 4.73 | 1.27 | 20.83 | 7.80 | 0.36 | 0.06 | 7.39 | 42.44 | | | | | | | | |
| | D30MR006 | 5.22 | 1.40 | 18.50 | 6.93 | 0.36 | 0.06 | 8.15 | 40.62 | | | | | | | | |
| | D30MR007 | 8.91 | 2.37 | 19.54 | 7.31 | 0.36 | 0.06 | 13.89 | 52.44 | | | | | | | | |
| D35 | | | | | | | | | | | | | | | | | |
| | D35GD001 | 12.41 | 4.43 | 5.66 | 2.52 | 0.00 | 0.00 | 19.30 | 44.32 | | | | | | | | |
| | D35GD002 | 13.68 | 4.88 | 10.80 | 4.80 | 0.00 | 0.00 | 21.28 | 55.44 | | | | | | | | |
| | D35GD003 | 17.22 | 6.14 | 10.80 | 4.80 | 0.00 | 0.00 | 26.77 | 65.73 | | | | | | | | |
| | D35GD004 | 21.00 | 7.49 | 14.04 | 6.24 | 0.00 | 0.00 | 32.65 | 81.42 | | | | | | | | |
| | D35IN001 | 21.75 | 7.76 | 19.44 | 8.64 | 0.00 | 0.00 | 33.81 | 91.40 | | | | | | | | |
| | D35IN002 | 29.03 | 10.45 | 25.04 | 11.13 | 1.34 | 0.24 | 45.23 | 122.46 | | | | | | | | |
| | D35IN003 | 22.51 | 8.11 | 20.52 | 9.12 | 1.12 | 0.20 | 35.07 | 96.65 | | | | | | | | |
| | D35RO001 | 19.97 | 7.22 | 17.28 | 7.68 | 1.25 | 0.22 | 31.14 | 84.76 | | | | | | | | |
| | D35RO002 | 29.23 | 10.59 | 17.13 | 7.62 | 2.25 | 0.39 | 45.60 | 112.81 | | | | | | | | |
| | D35RO003 | 24.50 | 8.74 | 15.98 | 7.11 | 0.00 | 0.00 | 38.11 | 94.44 | | | | | | | | |
| | D35RO004 | 27.45 | 9.79 | 15.98 | 7.11 | 0.00 | 0.00 | 42.68 | 103.01 | | | | | | | | |
| | D35RO005 | 22.98 | 8.20 | 17.28 | 7.68 | 0.00 | 0.00 | 35.73 | 91.87 | | | | | | | | |
| | D35RO006 | 31.31 | 14.14 | 22.68 | 8.49 | 0.00 | 0.00 | 48.68 | 125.30 | | | | | | | | |
| F10 | | | | | | | | | | | | | | | | | |
| | F10CA001 | 1.84 | 0.49 | 0.94 | 0.49 | 0.07 | 0.01 | 2.14 | 5.98 | | | | | | | | |
| | F10CA002 | 1.88 | 0.50 | 0.94 | 0.49 | 0.09 | 0.02 | 2.19 | 6.11 | | | | | | | | |
| | F10CA003 | 2.04 | 0.55 | 1.66 | 0.88 | 0.10 | 0.02 | 2.39 | 7.64 | | | | | | | | |
| | F10CA004 | 2.31 | 0.62 | 1.66 | 0.88 | 0.10 | 0.02 | 2.70 | 8.29 | | | | | | | | |
| | F10CA005 | 2.72 | 0.73 | 2.44 | 1.29 | 0.10 | 0.02 | 3.18 | 10.48 | | | | | | | | |
| | F10CA006 | 3.30 | 0.89 | 2.76 | 1.45 | 0.17 | 0.03 | 3.86 | 12.46 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | F10CA007 | 3.47 | 0.93 | 2.76 | 1.45 | 0.14 | 0.02 | 4.05 | 12.82 | | | | | | | | |
| | F10CA008 | 3.65 | 0.97 | 2.76 | 1.45 | 0.09 | 0.02 | 4.26 | 13.20 | | | | | | | | |
| | F10CA009 | 1.75 | 0.46 | 3.79 | 1.07 | 0.03 | 0.01 | 2.04 | 9.15 | | | | | | | | |
| | F10CA010 | 1.96 | 0.53 | 4.92 | 1.38 | 0.14 | 0.02 | 2.30 | 11.25 | | | | | | | | |
| | F10CA011 | 2.07 | 0.57 | 4.92 | 1.38 | 0.22 | 0.04 | 2.43 | 11.63 | | | | | | | | |
| | F10CA012 | 3.06 | 0.82 | 6.46 | 1.81 | 0.15 | 0.03 | 3.58 | 15.91 | | | | | | | | |
| | F10CA013 | 3.10 | 0.83 | 6.46 | 1.81 | 0.15 | 0.03 | 3.62 | 16.00 | | | | | | | | |
| | F10CA014 | 3.22 | 0.86 | 6.46 | 1.81 | 0.15 | 0.03 | 3.77 | 16.30 | | | | | | | | |
| | F10CA015 | 4.59 | 1.23 | 2.28 | 0.64 | 0.21 | 0.04 | 5.37 | 14.36 | | | | | | | | |
| | F10CA016 | 4.96 | 1.33 | 2.42 | 0.68 | 0.21 | 0.04 | 5.79 | 15.43 | | | | | | | | |
| | F10CA017 | 6.39 | 1.74 | 4.32 | 1.21 | 0.49 | 0.09 | 7.49 | 21.73 | | | | | | | | |
| | F10CA018 | 7.00 | 1.90 | 4.32 | 1.21 | 0.49 | 0.09 | 8.19 | 23.20 | | | | | | | | |
| | F10CA019 | 7.65 | 2.05 | 4.32 | 1.21 | 0.37 | 0.06 | 8.94 | 24.60 | | | | | | | | |
| | F10CA020 | 7.80 | 2.14 | 4.32 | 1.21 | 0.74 | 0.13 | 9.15 | 25.49 | | | | | | | | |
| | F10CA021 | 2.99 | 0.82 | 2.35 | 0.66 | 0.29 | 0.05 | 3.52 | 10.68 | | | | | | | | |
| | F10CA022 | 3.06 | 0.84 | 2.35 | 0.66 | 0.29 | 0.05 | 3.59 | 10.84 | | | | | | | | |
| | F10CA023 | 3.68 | 1.00 | 2.35 | 0.66 | 0.29 | 0.05 | 4.31 | 12.34 | | | | | | | | |
| | F10CA024 | 3.72 | 1.04 | 2.35 | 0.66 | 0.51 | 0.09 | 4.38 | 12.75 | | | | | | | | |
| | F10HY001 | 1.66 | 0.45 | 4.72 | 1.32 | 0.14 | 0.02 | 1.94 | 10.25 | | | | | | | | |
| | F10HY002 | 2.28 | 0.62 | 6.46 | 1.81 | 0.17 | 0.03 | 2.67 | 14.04 | | | | | | | | |
| | F10HY003 | 3.71 | 1.00 | 9.64 | 2.71 | 0.26 | 0.05 | 4.34 | 21.71 | | | | | | | | |
| | F10HY004 | 4.65 | 1.26 | 9.64 | 2.71 | 0.32 | 0.06 | 5.45 | 24.09 | | | | | | | | |
| | F10HY005 | 5.93 | 1.62 | 4.39 | 1.23 | 0.49 | 0.09 | 6.95 | 20.70 | | | | | | | | |
| | F10HY006 | 6.98 | 1.90 | 4.39 | 1.23 | 0.57 | 0.10 | 8.18 | 23.35 | | | | | | | | |
| | F10HY007 | 7.17 | 1.94 | 4.39 | 1.23 | 0.52 | 0.09 | 8.40 | 23.74 | | | | | | | | |
| | F10HY008 | 15.40 | 4.18 | 6.70 | 1.88 | 1.18 | 0.21 | 18.05 | 47.60 | | | | | | | | |
| G10 | | | | | | | | | | | | | | | | | |
| | G10CA001 | 1.74 | 0.42 | 5.39 | 1.51 | 0.00 | 0.00 | 1.76 | 10.82 | 2.18 | 0.43 | 7.04 | 1.98 | 0.00 | 0.00 | 2.51 | 14.14 |
| | G10CA002 | 2.18 | 0.52 | 8.33 | 2.34 | 0.00 | 0.00 | 2.20 | 15.57 | 2.73 | 0.54 | 10.87 | 3.05 | 0.00 | 0.00 | 3.15 | 20.34 |
| | G10CA003 | 2.22 | 0.53 | 9.30 | 2.61 | 0.00 | 0.00 | 2.24 | 16.90 | 2.78 | 0.55 | 12.14 | 3.41 | 0.00 | 0.00 | 3.20 | 22.08 |
| | G10CA004 | 2.48 | 0.59 | 11.47 | 3.22 | 0.00 | 0.00 | 2.50 | 20.26 | 3.10 | 0.61 | 14.98 | 4.21 | 0.00 | 0.00 | 3.58 | 26.48 |
| | G10CA005 | 2.68 | 0.64 | 12.72 | 3.57 | 0.00 | 0.00 | 2.70 | 22.31 | 3.35 | 0.66 | 16.60 | 4.66 | 0.00 | 0.00 | 3.86 | 29.13 |
| | G10CA006 | 4.36 | 1.04 | 18.32 | 5.14 | 0.00 | 0.00 | 4.40 | 33.26 | 5.45 | 1.07 | 23.91 | 6.71 | 0.00 | 0.00 | 6.28 | 43.42 |
| | G10CA007 | 4.95 | 1.18 | 21.25 | 5.97 | 0.00 | 0.00 | 4.99 | 38.34 | 6.19 | 1.22 | 27.75 | 7.79 | 0.00 | 0.00 | 7.14 | 50.09 |
| | G10CA008 | 6.59 | 1.58 | 27.10 | 7.61 | 0.00 | 0.00 | 6.64 | 49.52 | 8.23 | 1.62 | 35.37 | 9.93 | 0.00 | 0.00 | 9.49 | 64.64 |
| | G10CA009 | 8.74 | 2.09 | 32.21 | 9.04 | 0.00 | 0.00 | 8.81 | 60.89 | 10.92 | 2.15 | 42.05 | 11.81 | 0.00 | 0.00 | 12.59 | 79.52 |
| | G10CA010 | 11.42 | 2.73 | 44.89 | 12.61 | 0.00 | 0.00 | 11.51 | 83.16 | 14.27 | 2.81 | 58.61 | 16.46 | 0.00 | 0.00 | 16.46 | 108.61 |
| | G10CA011 | 17.10 | 4.09 | 62.69 | 17.60 | 0.00 | 0.00 | 17.24 | 118.72 | 21.38 | 4.20 | 81.85 | 22.98 | 0.00 | 0.00 | 24.65 | 155.06 |
| | G10HO001 | 0.09 | 0.02 | 0.51 | 0.14 | 0.00 | 0.00 | 0.08 | 0.84 | 0.11 | 0.02 | 0.67 | 0.19 | 0.00 | 0.00 | 0.11 | 1.10 |
| | G10HO002 | 0.12 | 0.02 | 0.72 | 0.20 | 0.00 | 0.00 | 0.10 | 1.16 | 0.14 | 0.02 | 0.94 | 0.26 | 0.00 | 0.00 | 0.14 | 1.50 |
| | G10HO003 | 0.11 | 0.02 | 0.57 | 0.00 | 0.00 | 0.00 | 0.09 | 0.79 | 0.12 | 0.02 | 0.75 | 0.00 | 0.00 | 0.00 | 0.12 | 1.01 |
| | G10HO004 | 0.23 | 0.05 | 1.13 | 0.32 | 0.00 | 0.00 | 0.20 | 1.93 | 0.27 | 0.05 | 1.48 | 0.42 | 0.00 | 0.00 | 0.27 | 2.49 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | G10KH001 | 0.09 | 0.02 | 0.51 | 0.14 | 0.00 | 0.00 | 0.08 | 0.84 | 0.10 | 0.02 | 0.67 | 0.19 | 0.00 | 0.00 | 0.10 | 1.08 |
| | G10KH002 | 0.11 | 0.02 | 0.82 | 0.23 | 0.00 | 0.00 | 0.09 | 1.27 | 0.12 | 0.02 | 1.08 | 0.30 | 0.00 | 0.00 | 0.13 | 1.65 |
| | G10KH003 | 0.14 | 0.03 | 1.13 | 0.32 | 0.00 | 0.00 | 0.12 | 1.74 | 0.16 | 0.03 | 1.48 | 0.42 | 0.00 | 0.00 | 0.16 | 2.25 |
| | G10ON001 | 0.31 | 0.06 | 0.51 | 0.14 | 0.00 | 0.00 | 0.26 | 1.28 | 0.35 | 0.06 | 0.67 | 0.19 | 0.00 | 0.00 | 0.35 | 1.62 |
| | G10ON002 | 0.39 | 0.08 | 1.03 | 0.29 | 0.00 | 0.00 | 0.34 | 2.13 | 0.45 | 0.08 | 1.35 | 0.38 | 0.00 | 0.00 | 0.45 | 2.71 |
| | G10ON003 | 0.45 | 0.09 | 1.03 | 0.29 | 0.00 | 0.00 | 0.39 | 2.25 | 0.51 | 0.09 | 1.35 | 0.38 | 0.00 | 0.00 | 0.52 | 2.85 |
| | G10ON004 | 0.52 | 0.10 | 2.05 | 0.58 | 0.00 | 0.00 | 0.45 | 3.70 | 0.59 | 0.10 | 2.69 | 0.76 | 0.00 | 0.00 | 0.60 | 4.74 |
| | G10ON005 | 0.71 | 0.17 | 1.44 | 0.40 | 0.00 | 0.00 | 0.72 | 3.44 | 0.89 | 0.17 | 1.88 | 0.53 | 0.00 | 0.00 | 1.02 | 4.49 |
| | G10ON006 | 0.76 | 0.18 | 1.54 | 0.43 | 0.00 | 0.00 | 0.76 | 3.67 | 0.95 | 0.19 | 2.02 | 0.57 | 0.00 | 0.00 | 1.09 | 4.82 |
| | G10ON007 | 0.88 | 0.21 | 0.52 | 0.15 | 0.00 | 0.00 | 0.88 | 2.64 | 1.10 | 0.22 | 0.68 | 0.19 | 0.00 | 0.00 | 1.26 | 3.45 |
| | G10ON008 | 0.74 | 0.18 | 0.21 | 0.06 | 0.00 | 0.00 | 0.74 | 1.93 | 0.92 | 0.18 | 0.27 | 0.08 | 0.00 | 0.00 | 1.06 | 2.51 |
| | G10ON009 | 0.88 | 0.21 | 0.41 | 0.12 | 0.00 | 0.00 | 0.88 | 2.50 | 1.09 | 0.22 | 0.54 | 0.15 | 0.00 | 0.00 | 1.26 | 3.26 |
| | G10ON010 | 1.17 | 0.28 | 0.76 | 0.21 | 0.00 | 0.00 | 1.18 | 3.60 | 1.47 | 0.29 | 0.99 | 0.28 | 0.00 | 0.00 | 1.69 | 4.72 |
| | G10ON011 | 1.23 | 0.29 | 0.93 | 0.26 | 0.00 | 0.00 | 1.24 | 3.95 | 1.54 | 0.30 | 1.22 | 0.34 | 0.00 | 0.00 | 1.77 | 5.17 |
| | G10ON012 | 1.33 | 0.32 | 1.14 | 0.32 | 0.00 | 0.00 | 1.34 | 4.45 | 1.66 | 0.33 | 1.49 | 0.42 | 0.00 | 0.00 | 1.92 | 5.82 |
| | G10ON013 | 1.43 | 0.34 | 1.73 | 0.49 | 0.00 | 0.00 | 1.45 | 5.44 | 1.79 | 0.35 | 2.26 | 0.63 | 0.00 | 0.00 | 2.07 | 7.10 |
| | G10ON014 | 1.52 | 0.36 | 2.25 | 0.63 | 0.00 | 0.00 | 1.53 | 6.29 | 1.90 | 0.37 | 2.93 | 0.82 | 0.00 | 0.00 | 2.19 | 8.21 |
| | G10ON015 | 1.70 | 0.41 | 3.01 | 0.84 | 0.00 | 0.00 | 1.71 | 7.67 | 2.13 | 0.42 | 3.93 | 1.10 | 0.00 | 0.00 | 2.45 | 10.03 |
| | G10ON016 | 1.77 | 0.42 | 4.08 | 1.15 | 0.00 | 0.00 | 1.79 | 9.21 | 2.22 | 0.44 | 5.32 | 1.50 | 0.00 | 0.00 | 2.56 | 12.04 |
| | G10ON017 | 1.99 | 0.48 | 4.08 | 1.15 | 0.00 | 0.00 | 2.01 | 9.71 | 2.49 | 0.49 | 5.32 | 1.50 | 0.00 | 0.00 | 2.87 | 12.67 |
| | G10ON018 | 2.20 | 0.53 | 5.36 | 1.50 | 0.00 | 0.00 | 2.22 | 11.81 | 2.75 | 0.54 | 6.99 | 1.96 | 0.00 | 0.00 | 3.17 | 15.41 |
| | G10ON019 | 2.46 | 0.59 | 6.60 | 1.85 | 0.00 | 0.00 | 2.48 | 13.98 | 3.07 | 0.60 | 8.62 | 2.42 | 0.00 | 0.00 | 3.54 | 18.25 |
| | G10ON020 | 2.75 | 0.66 | 7.85 | 2.20 | 0.00 | 0.00 | 2.78 | 16.24 | 3.44 | 0.68 | 10.24 | 2.88 | 0.00 | 0.00 | 3.97 | 21.21 |
| G15 | | | | | | | | | | | | | | | | | |
| | G15CA001 | 7.92 | 2.78 | 3.96 | 1.58 | 0.59 | 0.10 | 9.29 | 26.22 | 9.51 | 2.82 | 5.16 | 2.05 | 0.79 | 0.14 | 11.94 | 32.41 |
| | G15CA002 | 9.46 | 3.30 | 4.28 | 1.70 | 0.59 | 0.10 | 11.09 | 30.52 | 11.35 | 3.35 | 5.57 | 2.22 | 0.79 | 0.14 | 14.25 | 37.67 |
| | G15CA003 | 10.11 | 3.53 | 4.28 | 1.70 | 0.65 | 0.11 | 11.85 | 32.23 | 12.13 | 3.58 | 5.57 | 2.22 | 0.88 | 0.15 | 15.22 | 39.75 |
| | G15CA004 | 10.29 | 3.61 | 4.75 | 1.89 | 0.75 | 0.13 | 12.07 | 33.49 | 12.35 | 3.66 | 6.19 | 2.46 | 1.01 | 0.18 | 15.52 | 41.37 |
| | G15CA005 | 15.48 | 5.49 | 6.34 | 2.52 | 1.64 | 0.29 | 18.21 | 49.97 | 18.57 | 5.57 | 8.26 | 3.28 | 2.21 | 0.39 | 23.40 | 61.68 |
| | G15CA006 | 21.93 | 7.80 | 8.71 | 3.47 | 2.55 | 0.45 | 25.82 | 70.73 | 26.31 | 7.92 | 11.35 | 4.52 | 3.44 | 0.60 | 33.18 | 87.32 |
| | G15CH001 | 7.64 | 2.70 | 4.28 | 1.70 | 0.74 | 0.13 | 8.99 | 26.18 | 9.17 | 2.74 | 5.57 | 2.22 | 1.00 | 0.18 | 11.55 | 32.43 |
| | G15CH002 | 8.34 | 2.94 | 4.85 | 1.93 | 0.71 | 0.12 | 9.80 | 28.69 | 10.01 | 2.98 | 6.32 | 2.51 | 0.96 | 0.17 | 12.59 | 35.54 |
| | G15CH003 | 9.11 | 3.21 | 5.92 | 2.36 | 0.82 | 0.14 | 10.70 | 32.26 | 10.93 | 3.26 | 7.72 | 3.07 | 1.11 | 0.19 | 13.75 | 40.03 |
| | G15CH004 | 10.04 | 3.53 | 6.65 | 2.65 | 0.82 | 0.14 | 11.79 | 35.62 | 12.05 | 3.58 | 8.67 | 3.45 | 1.11 | 0.19 | 15.15 | 44.20 |
| | G15CH005 | 10.79 | 3.89 | 6.34 | 2.52 | 1.64 | 0.29 | 12.74 | 38.21 | 12.94 | 3.94 | 8.26 | 3.28 | 2.21 | 0.39 | 16.38 | 47.40 |
| | G15CH006 | 13.11 | 4.68 | 6.34 | 2.52 | 1.64 | 0.29 | 15.45 | 44.03 | 15.73 | 4.75 | 8.26 | 3.28 | 2.21 | 0.39 | 19.86 | 54.48 |
| | G15CH007 | 7.22 | 2.55 | 4.28 | 1.70 | 0.71 | 0.12 | 8.49 | 25.07 | 8.66 | 2.59 | 5.57 | 2.22 | 0.96 | 0.17 | 10.91 | 31.08 |
| | G15CH008 | 7.65 | 2.70 | 4.85 | 1.93 | 0.71 | 0.12 | 8.99 | 26.95 | 9.18 | 2.74 | 6.32 | 2.51 | 0.96 | 0.17 | 11.56 | 33.44 |
| | G15CH009 | 8.34 | 2.95 | 5.92 | 2.36 | 0.82 | 0.14 | 9.80 | 30.33 | 10.00 | 2.99 | 7.72 | 3.07 | 1.11 | 0.19 | 12.59 | 37.67 |
| | G15CH010 | 9.46 | 3.33 | 6.65 | 2.65 | 0.82 | 0.14 | 11.12 | 34.17 | 11.36 | 3.38 | 8.67 | 3.45 | 1.11 | 0.19 | 14.29 | 42.45 |
| | G15CH011 | 10.21 | 3.69 | 6.34 | 2.52 | 1.64 | 0.29 | 12.07 | 36.76 | 12.25 | 3.74 | 8.26 | 3.28 | 2.21 | 0.39 | 15.51 | 45.64 |
| | G15CH012 | 12.51 | 4.47 | 6.34 | 2.52 | 1.64 | 0.29 | 14.75 | 42.52 | 15.01 | 4.54 | 8.26 | 3.28 | 2.21 | 0.39 | 18.96 | 52.65 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | G15FI001 | 7.85 | 2.76 | 4.28 | 1.70 | 0.65 | 0.11 | 9.22 | 26.57 | 9.42 | 2.80 | 5.57 | 2.22 | 0.88 | 0.15 | 11.85 | 32.89 |
| | G15FI002 | 8.34 | 2.94 | 4.91 | 1.95 | 0.75 | 0.13 | 9.80 | 28.82 | 10.01 | 2.98 | 6.40 | 2.55 | 1.01 | 0.18 | 12.59 | 35.72 |
| | G15FI003 | 8.71 | 3.11 | 5.23 | 2.08 | 1.09 | 0.19 | 10.27 | 30.68 | 10.46 | 3.16 | 6.81 | 2.71 | 1.47 | 0.26 | 13.20 | 38.07 |
| | G15FI004 | 4.65 | 1.67 | 2.15 | 0.86 | 0.65 | 0.11 | 5.49 | 15.58 | 5.58 | 1.69 | 2.81 | 1.12 | 0.88 | 0.15 | 7.05 | 19.28 |
| | G15FI005 | 7.35 | 2.59 | 4.28 | 1.70 | 0.65 | 0.11 | 8.63 | 25.31 | 8.82 | 2.63 | 5.57 | 2.22 | 0.88 | 0.15 | 11.09 | 31.36 |
| | G15FI006 | 7.72 | 2.73 | 4.91 | 1.95 | 0.77 | 0.14 | 9.07 | 27.29 | 9.26 | 2.77 | 6.40 | 2.55 | 1.04 | 0.18 | 11.66 | 33.86 |
| | G15FI007 | 8.22 | 2.92 | 5.23 | 2.08 | 0.96 | 0.17 | 9.68 | 29.26 | 9.86 | 2.97 | 6.81 | 2.71 | 1.32 | 0.23 | 12.44 | 36.34 |
| | G15GI001 | 7.73 | 2.72 | 4.56 | 1.81 | 0.65 | 0.11 | 9.08 | 26.66 | 9.28 | 2.76 | 5.94 | 2.36 | 0.88 | 0.15 | 11.67 | 33.04 |
| | G15GI002 | 8.50 | 2.98 | 4.56 | 1.81 | 0.65 | 0.11 | 9.97 | 28.58 | 10.19 | 3.02 | 5.94 | 2.36 | 0.88 | 0.15 | 12.81 | 35.35 |
| | G15GI004 | 9.10 | 3.20 | 5.26 | 2.09 | 0.77 | 0.14 | 10.68 | 31.24 | 10.92 | 3.25 | 6.85 | 2.73 | 1.04 | 0.18 | 13.73 | 38.70 |
| | G15GI006 | 9.88 | 3.47 | 6.46 | 2.57 | 0.77 | 0.14 | 11.59 | 34.88 | 11.86 | 3.52 | 8.42 | 3.35 | 1.04 | 0.18 | 14.90 | 43.27 |
| | G15ID002 | 8.48 | 2.99 | 4.56 | 1.81 | 0.77 | 0.14 | 9.97 | 28.72 | 10.18 | 3.03 | 5.94 | 2.36 | 1.04 | 0.18 | 12.81 | 35.54 |
| | G15ID003 | 9.12 | 3.21 | 5.26 | 2.09 | 0.77 | 0.14 | 10.71 | 31.30 | 10.95 | 3.26 | 6.85 | 2.73 | 1.04 | 0.18 | 13.77 | 38.78 |
| | G15ID004 | 9.91 | 3.48 | 6.46 | 2.57 | 0.77 | 0.14 | 11.63 | 34.96 | 11.89 | 3.53 | 8.42 | 3.35 | 1.04 | 0.18 | 14.94 | 43.35 |
| | G15JD001 | 6.40 | 2.26 | 2.85 | 1.13 | 0.59 | 0.10 | 7.52 | 20.85 | 7.68 | 2.29 | 3.72 | 1.48 | 0.79 | 0.14 | 9.66 | 25.76 |
| | G15JD002 | 8.29 | 2.90 | 4.28 | 1.70 | 0.59 | 0.10 | 9.73 | 27.59 | 9.95 | 2.95 | 5.57 | 2.22 | 0.79 | 0.14 | 12.50 | 34.12 |
| | G15JD003 | 9.77 | 3.41 | 4.28 | 1.70 | 0.59 | 0.10 | 11.45 | 31.30 | 11.73 | 3.46 | 5.57 | 2.22 | 0.79 | 0.14 | 14.71 | 38.62 |
| | G15JD004 | 9.39 | 3.29 | 4.91 | 1.95 | 0.71 | 0.12 | 11.01 | 31.38 | 11.26 | 3.34 | 6.40 | 2.55 | 0.96 | 0.17 | 14.15 | 38.83 |
| | G15JD005 | 10.82 | 3.78 | 4.91 | 1.95 | 0.71 | 0.12 | 12.68 | 34.97 | 12.98 | 3.84 | 6.40 | 2.55 | 0.96 | 0.17 | 16.30 | 43.20 |
| | G15KM001 | 9.33 | 3.26 | 4.28 | 1.70 | 0.59 | 0.10 | 10.93 | 30.19 | 11.19 | 3.30 | 5.57 | 2.22 | 0.79 | 0.14 | 14.05 | 37.26 |
| | G15KM002 | 10.06 | 3.54 | 4.44 | 1.76 | 0.82 | 0.14 | 11.82 | 32.58 | 12.08 | 3.59 | 5.78 | 2.30 | 1.11 | 0.19 | 15.18 | 40.23 |
| | G15KM003 | 10.88 | 3.81 | 4.91 | 1.95 | 0.82 | 0.14 | 12.76 | 35.27 | 13.05 | 3.87 | 6.40 | 2.55 | 1.11 | 0.19 | 16.40 | 43.57 |
| | G15KM004 | 15.01 | 5.33 | 6.34 | 2.52 | 1.64 | 0.29 | 17.66 | 48.79 | 18.01 | 5.40 | 8.26 | 3.28 | 2.21 | 0.39 | 22.70 | 60.25 |
| | G15KM005 | 20.82 | 7.42 | 8.87 | 3.53 | 2.55 | 0.45 | 24.53 | 68.17 | 24.99 | 7.53 | 11.56 | 4.60 | 3.44 | 0.60 | 31.53 | 84.25 |
| | G15MI001 | 5.40 | 1.90 | 2.41 | 0.96 | 0.40 | 0.07 | 6.34 | 17.48 | 6.48 | 1.92 | 3.14 | 1.25 | 0.53 | 0.09 | 8.15 | 21.56 |
| | G15MI002 | 6.12 | 2.14 | 2.88 | 1.15 | 0.40 | 0.07 | 7.18 | 19.94 | 7.35 | 2.17 | 3.76 | 1.49 | 0.53 | 0.09 | 9.23 | 24.62 |
| | G15MI003 | 7.95 | 2.77 | 4.75 | 1.89 | 0.46 | 0.08 | 9.31 | 27.21 | 9.54 | 2.81 | 6.19 | 2.46 | 0.61 | 0.11 | 11.97 | 33.69 |
| | G15MI004 | 8.75 | 3.05 | 5.51 | 2.19 | 0.53 | 0.09 | 10.25 | 30.37 | 10.49 | 3.10 | 7.18 | 2.86 | 0.70 | 0.12 | 13.17 | 37.62 |
| H10 | | | | | | | | | | | | | | | | | |
| | H10NP001 | 0.71 | 0.12 | 0.00 | 0.50 | 0.00 | 0.00 | 1.11 | 2.44 | | | | | | | | |
| | H10NP002 | 0.79 | 0.13 | 0.00 | 0.50 | 0.00 | 0.00 | 1.22 | 2.64 | | | | | | | | |
| | H10NP003 | 0.92 | 0.15 | 0.00 | 0.75 | 0.00 | 0.00 | 1.43 | 3.25 | | | | | | | | |
| | H10NP004 | 1.25 | 0.21 | 0.00 | 0.75 | 0.00 | 0.00 | 1.94 | 4.15 | | | | | | | | |
| | H10NP005 | 1.71 | 0.29 | 0.00 | 1.00 | 0.00 | 0.00 | 2.65 | 5.65 | | | | | | | | |
| | H10NP006 | 2.34 | 0.39 | 0.00 | 1.00 | 0.00 | 0.00 | 3.63 | 7.36 | | | | | | | | |
| | H10NP007 | 2.91 | 0.49 | 0.00 | 1.00 | 0.00 | 0.00 | 4.51 | 8.91 | | | | | | | | |
| | H10NP008 | 3.35 | 0.56 | 0.00 | 1.25 | 0.00 | 0.00 | 5.20 | 10.36 | | | | | | | | |
| | H10NP009 | 4.18 | 0.70 | 0.00 | 1.25 | 0.00 | 0.00 | 6.49 | 12.62 | | | | | | | | |
| | H10NP010 | 5.09 | 0.85 | 0.00 | 1.50 | 0.00 | 0.00 | 7.90 | 15.34 | | | | | | | | |
| | H10NP011 | 5.94 | 1.00 | 0.00 | 2.00 | 0.00 | 0.00 | 9.21 | 18.15 | | | | | | | | |
| | H10NP012 | 7.29 | 1.22 | 0.00 | 2.50 | 0.00 | 0.00 | 11.30 | 22.31 | | | | | | | | |
| | H10NP013 | 10.73 | 1.80 | 0.00 | 3.00 | 0.00 | 0.00 | 16.65 | 32.18 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID.NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| H13 | H10NP014 | 14.85 | 2.49 | 0.00 | 3.50 | 0.00 | 0.00 | 23.04 | 43.88 | | | | | | | | |
| | H13AY007 | 10.28 | 2.70 | 0.00 | 0.00 | 0.00 | 0.00 | 14.35 | 27.33 | | | | | | | | |
| | H13AY008 | 5.10 | 1.34 | 0.00 | 0.00 | 0.00 | 0.00 | 7.12 | 13.56 | | | | | | | | |
| | H13AY009 | 8.76 | 2.30 | 0.00 | 0.00 | 0.00 | 0.00 | 12.24 | 23.30 | | | | | | | | |
| | H13AY010 | 4.49 | 1.18 | 0.00 | 0.00 | 0.00 | 0.00 | 6.27 | 11.94 | | | | | | | | |
| | H13AY011 | 8.34 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 11.65 | 22.18 | | | | | | | | |
| | H13AY012 | 4.26 | 1.12 | 0.00 | 0.00 | 0.00 | 0.00 | 5.95 | 11.33 | | | | | | | | |
| | H13AY013 | 6.47 | 1.70 | 0.00 | 0.00 | 0.00 | 0.00 | 9.04 | 17.21 | | | | | | | | |
| | H13AY014 | 3.55 | 0.93 | 0.00 | 0.00 | 0.00 | 0.00 | 4.95 | 9.43 | | | | | | | | |
| | H13AY015 | 3.89 | 1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 5.43 | 10.34 | | | | | | | | |
| | H13AY016 | 2.39 | 0.63 | 0.00 | 0.00 | 0.00 | 0.00 | 3.33 | 6.35 | | | | | | | | |
| | H13AY017 | 12.19 | 3.20 | 0.00 | 0.00 | 0.00 | 0.00 | 17.02 | 32.41 | | | | | | | | |
| | H13AY018 | 5.76 | 1.51 | 0.00 | 0.00 | 0.00 | 0.00 | 8.04 | 15.31 | | | | | | | | |
| | H13AY019 | 0.93 | 0.24 | 0.05 | 0.03 | 0.00 | 0.00 | 1.30 | 2.55 | | | | | | | | |
| | H13AY020 | 0.31 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 0.83 | | | | | | | | |
| | H13AY021 | 13.72 | 3.32 | 0.00 | 0.00 | 0.31 | 0.05 | 16.06 | 33.46 | | | | | | | | |
| | H13AY022 | 6.89 | 1.69 | 0.00 | 0.00 | 0.31 | 0.05 | 8.08 | 17.02 | | | | | | | | |
| | H13AY023 | 11.75 | 2.85 | 0.00 | 0.00 | 0.31 | 0.05 | 13.75 | 28.71 | | | | | | | | |
| | H13AY024 | 6.25 | 1.53 | 0.00 | 0.00 | 0.31 | 0.05 | 7.32 | 15.46 | | | | | | | | |
| | H13AY025 | 10.06 | 2.45 | 0.00 | 0.00 | 0.31 | 0.05 | 11.78 | 24.65 | | | | | | | | |
| | H13AY026 | 5.53 | 1.36 | 0.00 | 0.00 | 0.31 | 0.05 | 6.48 | 13.73 | | | | | | | | |
| | H13AY027 | 9.54 | 2.32 | 0.00 | 0.00 | 0.31 | 0.05 | 11.17 | 23.39 | | | | | | | | |
| | H13AY028 | 5.20 | 1.28 | 0.00 | 0.00 | 0.31 | 0.05 | 6.11 | 12.95 | | | | | | | | |
| | H13AY029 | 7.41 | 1.81 | 0.00 | 0.00 | 0.31 | 0.05 | 8.69 | 18.27 | | | | | | | | |
| | H13AY030 | 4.36 | 1.08 | 0.00 | 0.00 | 0.31 | 0.05 | 5.12 | 10.92 | | | | | | | | |
| | H13AY031 | 4.68 | 1.16 | 0.00 | 0.00 | 0.31 | 0.05 | 5.50 | 11.70 | | | | | | | | |
| | H13AY032 | 3.09 | 0.78 | 0.00 | 0.00 | 0.31 | 0.05 | 3.63 | 7.86 | | | | | | | | |
| | H13BB001 | 3.65 | 0.41 | 0.52 | 1.02 | 0.00 | 0.00 | 5.33 | 10.93 | | | | | | | | |
| | H13BB002 | 7.04 | 0.78 | 0.78 | 1.41 | 0.00 | 0.00 | 10.28 | 20.29 | | | | | | | | |
| | H13BC001 | 7.43 | 0.90 | 0.26 | 0.15 | 0.00 | 0.00 | 8.07 | 16.81 | | | | | | | | |
| | H13BC002 | 3.63 | 0.44 | 0.26 | 0.15 | 0.00 | 0.00 | 3.94 | 8.42 | | | | | | | | |
| | H13BC003 | 2.80 | 0.34 | 0.26 | 0.15 | 0.00 | 0.00 | 3.04 | 6.59 | | | | | | | | |
| | H13BC004 | 3.47 | 0.42 | 0.26 | 0.15 | 0.00 | 0.00 | 3.77 | 8.07 | | | | | | | | |
| | H13BC005 | 2.62 | 0.32 | 0.26 | 0.15 | 0.00 | 0.00 | 2.85 | 6.20 | | | | | | | | |
| | H13BC006 | 2.17 | 0.26 | 0.16 | 0.09 | 0.00 | 0.00 | 2.35 | 5.03 | | | | | | | | |
| | H13BC007 | 2.74 | 0.33 | 0.16 | 0.09 | 0.00 | 0.00 | 2.98 | 6.30 | | | | | | | | |
| | H13BC008 | 3.31 | 0.40 | 0.26 | 0.15 | 0.00 | 0.00 | 3.60 | 7.72 | | | | | | | | |
| | H13BC009 | 2.22 | 0.27 | 0.16 | 0.09 | 0.00 | 0.00 | 2.41 | 5.15 | | | | | | | | |
| | H13BC010 | 1.66 | 0.20 | 0.16 | 0.09 | 0.00 | 0.00 | 1.80 | 3.91 | | | | | | | | |
| | H13CB001 | 1.44 | 0.35 | 0.26 | 0.15 | 0.00 | 0.00 | 1.69 | 3.89 | | | | | | | | |
| | H13CB002 | 1.64 | 0.39 | 0.52 | 0.30 | 0.00 | 0.00 | 1.92 | 4.77 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | H13CC001 | 16.00 | 4.95 | 2.60 | 1.52 | 0.00 | 0.00 | 22.34 | 47.41 | | | | | | | | |
| | H13CC002 | 17.62 | 5.45 | 2.60 | 1.52 | 0.00 | 0.00 | 24.60 | 51.79 | | | | | | | | |
| | H13CC003 | 20.73 | 6.42 | 2.60 | 1.52 | 0.00 | 0.00 | 28.95 | 60.22 | | | | | | | | |
| | H13CN001 | 4.43 | 1.08 | 1.04 | 1.55 | 0.13 | 0.02 | 6.48 | 14.73 | | | | | | | | |
| | H13CN002 | 7.47 | 1.81 | 2.08 | 2.60 | 0.19 | 0.03 | 10.93 | 25.11 | | | | | | | | |
| | H13CN003 | 8.77 | 2.12 | 3.90 | 2.05 | 0.19 | 0.03 | 12.82 | 29.88 | | | | | | | | |
| | H13CO001 | 3.62 | 0.87 | 0.10 | 0.56 | 0.00 | 0.00 | 4.23 | 9.38 | | | | | | | | |
| | H13HR001 | 4.64 | 1.22 | 0.03 | 0.02 | 0.00 | 0.00 | 6.48 | 12.39 | | | | | | | | |
| | H13HR002 | 5.24 | 1.37 | 0.08 | 0.05 | 0.00 | 0.00 | 7.31 | 14.05 | | | | | | | | |
| | H13HR003 | 9.53 | 2.30 | 0.05 | 2.03 | 0.19 | 0.03 | 11.14 | 25.27 | | | | | | | | |
| | H13MN001 | 17.00 | 4.14 | 7.80 | 7.11 | 0.58 | 0.10 | 22.41 | 59.14 | | | | | | | | |
| | H13MN002 | 20.98 | 5.09 | 10.40 | 9.48 | 0.58 | 0.10 | 27.63 | 74.26 | | | | | | | | |
| | H13MN003 | 25.24 | 6.11 | 10.40 | 10.48 | 0.58 | 0.10 | 33.23 | 86.14 | | | | | | | | |
| | H13MN004 | 29.19 | 7.05 | 15.60 | 14.21 | 0.58 | 0.10 | 38.42 | 105.15 | | | | | | | | |
| | H13PI001 | 0.76 | 0.19 | 1.85 | 0.52 | 0.08 | 0.01 | 0.89 | 4.30 | | | | | | | | |
| | H13PI002 | 0.78 | 0.20 | 0.42 | 0.24 | 0.08 | 0.01 | 0.92 | 2.65 | | | | | | | | |
| | H13PI003 | 0.88 | 0.21 | 0.42 | 0.24 | 0.00 | 0.00 | 1.02 | 2.77 | | | | | | | | |
| | H13PO001 | 37.22 | 8.90 | 2.86 | 1.51 | 0.00 | 0.00 | 54.34 | 104.83 | | | | | | | | |
| | H13PR001 | 5.71 | 1.50 | 0.16 | 0.09 | 0.00 | 0.00 | 7.97 | 15.43 | | | | | | | | |
| | H13PR002 | 6.55 | 1.61 | 0.16 | 0.09 | 0.31 | 0.05 | 7.69 | 16.46 | | | | | | | | |
| | H13PR003 | 11.62 | 3.05 | 0.26 | 0.15 | 0.00 | 0.00 | 16.22 | 31.30 | | | | | | | | |
| | H13PR004 | 13.20 | 3.20 | 0.26 | 0.15 | 0.31 | 0.05 | 15.45 | 32.62 | | | | | | | | |
| | H13PR005 | 16.11 | 4.23 | 0.26 | 0.15 | 0.00 | 0.00 | 22.50 | 43.25 | | | | | | | | |
| | H13PR006 | 17.51 | 4.23 | 0.26 | 0.15 | 0.31 | 0.05 | 20.48 | 42.99 | | | | | | | | |
| | H13PR007 | 33.53 | 8.80 | 0.52 | 0.30 | 0.00 | 0.00 | 46.82 | 89.97 | | | | | | | | |
| | H13PR008 | 36.24 | 8.84 | 0.52 | 0.30 | 1.41 | 0.25 | 42.47 | 90.03 | | | | | | | | |
| | H13PR009 | 7.50 | 1.83 | 0.05 | 0.03 | 0.31 | 0.05 | 8.79 | 18.56 | | | | | | | | |
| | H13PR010 | 7.70 | 1.88 | 0.05 | 0.03 | 0.31 | 0.05 | 9.02 | 19.04 | | | | | | | | |
| | H13PR011 | 9.59 | 2.33 | 0.10 | 0.06 | 0.31 | 0.05 | 11.23 | 23.67 | | | | | | | | |
| | H13PR012 | 10.17 | 2.47 | 0.10 | 0.06 | 0.31 | 0.05 | 11.91 | 25.07 | | | | | | | | |
| | H13PR013 | 11.50 | 2.79 | 0.10 | 0.06 | 0.31 | 0.05 | 13.47 | 28.28 | | | | | | | | |
| | H13PR014 | 12.80 | 3.10 | 0.16 | 0.09 | 0.31 | 0.05 | 14.99 | 31.50 | | | | | | | | |
| | H13PR015 | 14.80 | 3.58 | 0.16 | 0.09 | 0.31 | 0.05 | 17.32 | 36.31 | | | | | | | | |
| | H13PR016 | 8.12 | 1.98 | 0.42 | 0.24 | 0.31 | 0.05 | 9.52 | 20.64 | | | | | | | | |
| | H13PR017 | 11.79 | 2.86 | 0.52 | 0.30 | 0.31 | 0.05 | 13.80 | 29.63 | | | | | | | | |
| | H13PR018 | 17.11 | 4.13 | 0.78 | 0.46 | 0.31 | 0.05 | 20.02 | 42.86 | | | | | | | | |
| | H13PR019 | 24.23 | 5.83 | 1.04 | 0.61 | 0.31 | 0.05 | 28.34 | 60.41 | | | | | | | | |
| | H13PR020 | 6.50 | 1.71 | 0.05 | 0.03 | 0.00 | 0.00 | 9.08 | 17.37 | | | | | | | | |
| | H13PR021 | 6.69 | 1.75 | 0.05 | 0.03 | 0.00 | 0.00 | 9.33 | 17.85 | | | | | | | | |
| | H13PR022 | 8.39 | 2.20 | 0.10 | 0.06 | 0.00 | 0.00 | 11.72 | 22.47 | | | | | | | | |
| | H13PR023 | 8.89 | 2.33 | 0.05 | 0.03 | 0.00 | 0.00 | 12.41 | 23.71 | | | | | | | | |
| | H13PR024 | 10.12 | 2.65 | 0.10 | 0.06 | 0.00 | 0.00 | 14.13 | 27.06 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | H13PR025 | 11.27 | 2.96 | 0.16 | 0.09 | 0.00 | 0.00 | 15.73 | 30.21 | | | | | | | | |
| | H13PR026 | 13.15 | 3.45 | 0.16 | 0.09 | 0.00 | 0.00 | 18.36 | 35.21 | | | | | | | | |
| | H13PR027 | 7.09 | 1.86 | 0.42 | 0.24 | 0.00 | 0.00 | 9.89 | 19.50 | | | | | | | | |
| | H13PR028 | 10.46 | 2.74 | 0.52 | 0.30 | 0.00 | 0.00 | 14.61 | 28.63 | | | | | | | | |
| | H13PR029 | 15.62 | 4.10 | 0.78 | 0.46 | 0.00 | 0.00 | 21.81 | 42.77 | | | | | | | | |
| | H13PR030 | 22.03 | 5.78 | 1.04 | 0.61 | 0.00 | 0.00 | 30.75 | 60.21 | | | | | | | | |
| | H13SH001 | 2.87 | 0.69 | 0.78 | 0.41 | 0.00 | 0.00 | 3.77 | 8.52 | | | | | | | | |
| | H13SH002 | 2.89 | 0.69 | 0.78 | 0.41 | 0.00 | 0.00 | 3.80 | 8.57 | | | | | | | | |
| | H13SH003 | 5.58 | 1.34 | 2.08 | 1.10 | 0.00 | 0.00 | 7.34 | 17.44 | | | | | | | | |
| | H13SH004 | 6.01 | 1.44 | 2.08 | 1.10 | 0.00 | 0.00 | 7.90 | 18.53 | | | | | | | | |
| | H13SH005 | 9.31 | 2.23 | 5.20 | 2.74 | 0.00 | 0.00 | 12.23 | 31.71 | | | | | | | | |
| | H13SH006 | 30.62 | 7.32 | 18.20 | 9.58 | 0.00 | 0.00 | 40.24 | 105.96 | | | | | | | | |
| | H13SH007 | 32.39 | 7.74 | 31.20 | 16.43 | 0.00 | 0.00 | 42.56 | 130.32 | | | | | | | | |
| H20 | | | | | | | | | | | | | | | | | |
| | H20BE001 | 1.10 | 0.26 | 0.00 | 0.10 | 0.00 | 0.00 | 1.36 | 2.82 | | | | | | | | |
| | H20BE002 | 1.45 | 0.35 | 0.00 | 0.20 | 0.00 | 0.00 | 1.80 | 3.80 | | | | | | | | |
| | H20BE003 | 1.86 | 0.44 | 0.00 | 0.30 | 0.00 | 0.00 | 2.31 | 4.91 | | | | | | | | |
| | H20BE004 | 3.34 | 0.80 | 0.00 | 0.40 | 0.00 | 0.00 | 4.14 | 8.68 | | | | | | | | |
| | H20SK001 | 8.18 | 1.95 | 3.46 | 0.97 | 0.00 | 0.00 | 10.15 | 24.71 | | | | | | | | |
| | H20SK002 | 11.07 | 2.64 | 3.46 | 0.97 | 0.00 | 0.00 | 13.74 | 31.88 | | | | | | | | |
| | H20SK003 | 17.11 | 4.08 | 4.49 | 1.26 | 0.00 | 0.00 | 21.23 | 48.17 | | | | | | | | |
| | H20SK004 | 19.04 | 4.54 | 5.18 | 1.46 | 0.00 | 0.00 | 23.64 | 53.86 | | | | | | | | |
| H25 | | | | | | | | | | | | | | | | | |
| | H25AK001 | 12.21 | 2.88 | 2.12 | 0.94 | 0.00 | 0.00 | 14.23 | 32.38 | 15.03 | 2.96 | 2.77 | 1.23 | 0.00 | 0.00 | 20.02 | 42.01 |
| | H25AK002 | 16.00 | 3.77 | 4.59 | 2.04 | 0.00 | 0.00 | 18.64 | 45.04 | 19.69 | 3.87 | 5.99 | 2.66 | 0.00 | 0.00 | 26.22 | 58.43 |
| | H25AK003 | 17.14 | 4.50 | 5.26 | 2.34 | 0.00 | 0.00 | 21.41 | 50.65 | 21.43 | 4.61 | 6.85 | 3.05 | 0.00 | 0.00 | 30.11 | 66.05 |
| | H25AK005 | 30.21 | 7.93 | 8.30 | 3.69 | 0.00 | 0.00 | 37.73 | 87.86 | 37.77 | 8.13 | 10.82 | 4.81 | 0.00 | 0.00 | 53.06 | 114.59 |
| | H25BA001 | 13.86 | 3.27 | 2.69 | 1.20 | 0.00 | 0.00 | 16.15 | 37.17 | 17.06 | 3.35 | 3.51 | 1.56 | 0.00 | 0.00 | 22.72 | 48.20 |
| | H25BA002 | 21.63 | 5.10 | 5.07 | 2.25 | 0.00 | 0.00 | 25.21 | 59.26 | 26.62 | 5.24 | 6.60 | 2.94 | 0.00 | 0.00 | 35.46 | 76.86 |
| | H25BA003 | 21.05 | 5.52 | 7.44 | 3.31 | 0.00 | 0.00 | 26.28 | 63.60 | 26.31 | 5.66 | 9.70 | 4.31 | 0.00 | 0.00 | 36.96 | 82.94 |
| | H25BA004 | 25.34 | 6.65 | 9.76 | 4.34 | 0.00 | 0.00 | 31.64 | 77.73 | 31.67 | 6.82 | 12.71 | 5.65 | 0.00 | 0.00 | 44.50 | 101.35 |
| | H25BA005 | 46.82 | 13.19 | 19.51 | 5.02 | 0.00 | 0.00 | 75.63 | 160.17 | 56.18 | 13.44 | 25.43 | 6.55 | 0.00 | 0.00 | 99.02 | 200.62 |
| | H25CA001 | 9.15 | 2.16 | 2.25 | 1.00 | 0.00 | 0.00 | 10.66 | 25.22 | 11.26 | 2.21 | 2.93 | 1.30 | 0.00 | 0.00 | 15.00 | 32.70 |
| | H25CA002 | 11.38 | 2.69 | 2.98 | 1.32 | 0.00 | 0.00 | 13.26 | 31.63 | 14.01 | 2.75 | 3.88 | 1.73 | 0.00 | 0.00 | 18.66 | 41.03 |
| | H25CA003 | 13.38 | 3.16 | 3.48 | 1.55 | 0.00 | 0.00 | 15.60 | 37.17 | 16.47 | 3.24 | 4.54 | 2.02 | 0.00 | 0.00 | 21.94 | 48.21 |
| | H25CA004 | 16.93 | 3.99 | 3.96 | 1.76 | 0.00 | 0.00 | 19.73 | 46.37 | 20.83 | 4.10 | 5.16 | 2.29 | 0.00 | 0.00 | 27.75 | 60.13 |
| | H25CA005 | 16.42 | 4.31 | 4.44 | 1.97 | 0.00 | 0.00 | 20.51 | 47.65 | 20.53 | 4.42 | 5.78 | 2.57 | 0.00 | 0.00 | 28.84 | 62.14 |
| | H25CA006 | 18.04 | 4.73 | 5.23 | 2.32 | 0.00 | 0.00 | 22.53 | 52.85 | 22.55 | 4.85 | 6.81 | 3.03 | 0.00 | 0.00 | 31.68 | 68.92 |
| | H25CA007 | 31.65 | 8.30 | 7.92 | 3.52 | 0.00 | 0.00 | 39.52 | 90.91 | 39.56 | 8.51 | 10.32 | 4.59 | 0.00 | 0.00 | 55.58 | 118.56 |
| | H25CA008 | 42.98 | 12.10 | 11.40 | 2.94 | 0.00 | 0.00 | 69.42 | 138.84 | 51.57 | 12.33 | 14.86 | 3.83 | 0.00 | 0.00 | 90.89 | 173.48 |
| | H25CA009 | 5.99 | 1.41 | 1.71 | 0.76 | 0.00 | 0.00 | 6.98 | 16.85 | 7.37 | 1.45 | 2.23 | 0.99 | 0.00 | 0.00 | 9.82 | 21.86 |
| | H25CA010 | 7.91 | 1.87 | 2.50 | 1.11 | 0.00 | 0.00 | 9.21 | 22.60 | 9.73 | 1.91 | 3.26 | 1.45 | 0.00 | 0.00 | 12.96 | 29.31 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | H25CA011 | 8.64 | 2.04 | 2.66 | 1.18 | 0.00 | 0.00 | 10.07 | 24.59 | 10.63 | 2.09 | 3.47 | 1.54 | 0.00 | 0.00 | 14.17 | 31.90 |
| | H25CA012 | 15.55 | 3.67 | 3.74 | 1.66 | 0.00 | 0.00 | 18.12 | 42.74 | 19.13 | 3.76 | 4.87 | 2.17 | 0.00 | 0.00 | 25.49 | 55.42 |
| | H25CA013 | 16.45 | 3.88 | 3.74 | 1.66 | 0.00 | 0.00 | 19.17 | 44.90 | 20.25 | 3.98 | 4.87 | 2.17 | 0.00 | 0.00 | 26.97 | 58.24 |
| | H25CA014 | 17.78 | 4.19 | 4.69 | 2.08 | 0.00 | 0.00 | 20.72 | 49.46 | 21.88 | 4.30 | 6.11 | 2.72 | 0.00 | 0.00 | 29.14 | 64.15 |
| | H25CA015 | 18.50 | 4.36 | 4.69 | 2.08 | 0.00 | 0.00 | 21.55 | 51.18 | 22.76 | 4.48 | 6.11 | 2.72 | 0.00 | 0.00 | 30.32 | 66.39 |
| | H25CA016 | 24.05 | 5.67 | 6.56 | 2.92 | 0.00 | 0.00 | 28.02 | 67.22 | 29.59 | 5.82 | 8.54 | 3.80 | 0.00 | 0.00 | 39.42 | 87.17 |
| | H25CA017 | 25.02 | 5.90 | 6.56 | 2.92 | 0.00 | 0.00 | 29.15 | 69.55 | 30.79 | 6.05 | 8.54 | 3.80 | 0.00 | 0.00 | 41.01 | 90.19 |
| | H25CA018 | 26.71 | 6.30 | 6.34 | 2.82 | 0.00 | 0.00 | 31.13 | 73.30 | 32.88 | 6.47 | 8.26 | 3.67 | 0.00 | 0.00 | 43.79 | 95.07 |
| | H25CA019 | 27.36 | 6.46 | 6.34 | 2.82 | 0.00 | 0.00 | 31.89 | 74.87 | 33.68 | 6.62 | 8.26 | 3.67 | 0.00 | 0.00 | 44.86 | 97.09 |
| | H25CS002 | 10.41 | 2.46 | 4.06 | 1.80 | 0.00 | 0.00 | 12.13 | 30.86 | 12.81 | 2.52 | 5.28 | 2.35 | 0.00 | 0.00 | 17.06 | 40.02 |
| | H25DE003 | 3.29 | 0.51 | 0.00 | 2.00 | 0.00 | 0.00 | 4.80 | 10.60 | | | | | | | | |
| | H25DE004 | 5.07 | 0.78 | 0.00 | 2.50 | 0.00 | 0.00 | 7.41 | 15.76 | | | | | | | | |
| | H25FI004 | 12.21 | 2.88 | 2.57 | 1.14 | 0.00 | 0.00 | 14.23 | 33.03 | 15.03 | 2.96 | 3.34 | 1.49 | 0.00 | 0.00 | 20.02 | 42.84 |
| | H25FI005 | 13.25 | 3.48 | 3.77 | 1.68 | 0.00 | 0.00 | 16.55 | 38.73 | 16.57 | 3.57 | 4.91 | 2.18 | 0.00 | 0.00 | 23.28 | 50.51 |
| | H25FI006 | 16.39 | 4.30 | 4.78 | 2.13 | 0.00 | 0.00 | 20.47 | 48.07 | 20.49 | 4.41 | 6.23 | 2.77 | 0.00 | 0.00 | 28.79 | 62.69 |
| | H25FI007 | 29.19 | 7.66 | 8.87 | 3.94 | 0.00 | 0.00 | 36.45 | 86.11 | 36.48 | 7.85 | 11.56 | 5.14 | 0.00 | 0.00 | 51.26 | 112.29 |
| | H25GA001 | 17.93 | 4.23 | 5.13 | 2.28 | 0.00 | 0.00 | 20.90 | 50.47 | 22.07 | 4.34 | 6.69 | 2.97 | 0.00 | 0.00 | 29.40 | 65.47 |
| | H25GA002 | 21.53 | 5.08 | 5.13 | 2.28 | 0.00 | 0.00 | 25.09 | 59.11 | 26.50 | 5.21 | 6.69 | 2.97 | 0.00 | 0.00 | 35.30 | 76.67 |
| | H25HI001 | 10.15 | 2.40 | 2.28 | 1.01 | 0.00 | 0.00 | 11.83 | 27.67 | 12.50 | 2.46 | 2.97 | 1.32 | 0.00 | 0.00 | 16.65 | 35.90 |
| | H25HI002 | 13.15 | 3.10 | 3.42 | 1.52 | 0.00 | 0.00 | 15.32 | 36.51 | 16.18 | 3.18 | 4.46 | 1.98 | 0.00 | 0.00 | 21.55 | 47.35 |
| | H25HI003 | 11.85 | 2.80 | 2.88 | 1.28 | 0.00 | 0.00 | 13.81 | 32.62 | 14.58 | 2.87 | 3.76 | 1.67 | 0.00 | 0.00 | 19.43 | 42.31 |
| | H25HI005 | 16.99 | 4.01 | 3.77 | 1.68 | 0.00 | 0.00 | 19.80 | 46.25 | 20.92 | 4.11 | 4.91 | 2.18 | 0.00 | 0.00 | 27.86 | 59.98 |
| | H25HI009 | 19.60 | 5.14 | 5.10 | 2.27 | 0.00 | 0.00 | 24.48 | 56.59 | 24.50 | 5.27 | 6.65 | 2.95 | 0.00 | 0.00 | 34.42 | 73.79 |
| | H25HI010 | 20.58 | 5.40 | 5.10 | 2.27 | 0.00 | 0.00 | 25.70 | 59.05 | 25.72 | 5.54 | 6.65 | 2.95 | 0.00 | 0.00 | 36.14 | 77.00 |
| | H25HI011 | 28.43 | 7.46 | 8.71 | 3.87 | 0.00 | 0.00 | 35.50 | 83.97 | 35.54 | 7.65 | 11.35 | 5.05 | 0.00 | 0.00 | 49.93 | 109.52 |
| | H25HI012 | 29.93 | 7.85 | 8.71 | 3.87 | 0.00 | 0.00 | 37.38 | 87.74 | 37.42 | 8.05 | 11.35 | 5.05 | 0.00 | 0.00 | 52.57 | 114.44 |
| | H25HI015 | 46.48 | 15.08 | 16.22 | 4.55 | 0.00 | 0.00 | 81.92 | 164.25 | 54.23 | 15.27 | 21.14 | 5.93 | 0.00 | 0.00 | 103.55 | 200.12 |
| | H25HI016 | 2.82 | 0.67 | 0.73 | 0.32 | 0.00 | 0.00 | 3.29 | 7.83 | 3.47 | 0.68 | 0.95 | 0.42 | 0.00 | 0.00 | 4.63 | 10.15 |
| | H25HI017 | 3.21 | 0.76 | 0.79 | 0.35 | 0.00 | 0.00 | 3.74 | 8.85 | 3.95 | 0.78 | 1.03 | 0.46 | 0.00 | 0.00 | 5.26 | 11.48 |
| | H25HI018 | 4.20 | 0.99 | 1.20 | 0.54 | 0.00 | 0.00 | 4.89 | 11.82 | 5.17 | 1.02 | 1.57 | 0.70 | 0.00 | 0.00 | 6.88 | 15.34 |
| | H25HI019 | 42.21 | 11.89 | 13.12 | 3.38 | 0.00 | 0.00 | 68.18 | 138.78 | 50.65 | 12.11 | 17.09 | 4.40 | 0.00 | 0.00 | 89.27 | 173.52 |
| | H25HI020 | 81.89 | 26.57 | 27.24 | 7.65 | 0.00 | 0.00 | 144.31 | 287.66 | 95.53 | 26.91 | 35.50 | 9.97 | 0.00 | 0.00 | 182.41 | 350.32 |
| | H25HI021 | 184.04 | 59.71 | 51.77 | 14.54 | 0.00 | 0.00 | 324.34 | 634.40 | 214.71 | 60.47 | 67.45 | 18.94 | 0.00 | 0.00 | 409.97 | 771.54 |
| | H25IS001 | 12.18 | 2.87 | 4.28 | 1.90 | 0.00 | 0.00 | 14.19 | 35.42 | 14.99 | 2.95 | 5.57 | 2.48 | 0.00 | 0.00 | 19.96 | 45.95 |
| | H25IS002 | 15.59 | 3.68 | 5.32 | 2.37 | 0.00 | 0.00 | 18.17 | 45.13 | 19.19 | 3.77 | 6.94 | 3.08 | 0.00 | 0.00 | 25.56 | 58.54 |
| | H25IS003 | 15.65 | 4.11 | 5.99 | 2.66 | 0.00 | 0.00 | 19.54 | 47.95 | 19.56 | 4.21 | 7.80 | 3.47 | 0.00 | 0.00 | 27.49 | 62.53 |
| | H25IS004 | 23.37 | 6.13 | 8.02 | 3.56 | 0.00 | 0.00 | 29.19 | 70.27 | 29.21 | 6.29 | 10.44 | 4.64 | 0.00 | 0.00 | 41.05 | 91.63 |
| | H25IS005 | 27.97 | 7.34 | 9.98 | 4.44 | 0.00 | 0.00 | 34.93 | 84.66 | 34.97 | 7.53 | 13.00 | 5.78 | 0.00 | 0.00 | 49.13 | 110.41 |
| | H25IS006 | 34.73 | 9.78 | 14.79 | 3.81 | 0.00 | 0.00 | 56.10 | 119.21 | 41.68 | 9.97 | 19.28 | 4.96 | 0.00 | 0.00 | 73.45 | 149.34 |
| | H25JD001 | 2.27 | 0.54 | 0.48 | 0.21 | 0.00 | 0.00 | 2.64 | 6.14 | 2.79 | 0.55 | 0.62 | 0.28 | 0.00 | 0.00 | 3.72 | 7.96 |
| | H25JD002 | 3.35 | 0.79 | 0.73 | 0.32 | 0.00 | 0.00 | 3.90 | 9.09 | 4.12 | 0.81 | 0.95 | 0.42 | 0.00 | 0.00 | 5.49 | 11.79 |
| | H25JD003 | 4.82 | 1.14 | 1.24 | 0.55 | 0.00 | 0.00 | 5.62 | 13.37 | 5.94 | 1.17 | 1.61 | 0.72 | 0.00 | 0.00 | 7.91 | 17.35 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID.NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | H25JD004 | 6.25 | 1.48 | 1.74 | 0.77 | 0.00 | 0.00 | 7.29 | 17.53 | 7.70 | 1.51 | 2.27 | 1.01 | 0.00 | 0.00 | 10.25 | 22.74 |
| | H25JD005 | 9.27 | 2.19 | 2.38 | 1.06 | 0.00 | 0.00 | 10.80 | 25.70 | 11.40 | 2.24 | 3.10 | 1.38 | 0.00 | 0.00 | 15.19 | 33.31 |
| | H25JD006 | 11.51 | 2.72 | 3.01 | 1.34 | 0.00 | 0.00 | 13.42 | 32.00 | 14.17 | 2.79 | 3.92 | 1.74 | 0.00 | 0.00 | 18.87 | 41.49 |
| | H25JD007 | 12.29 | 2.90 | 3.96 | 1.76 | 0.00 | 0.00 | 14.32 | 35.23 | 15.12 | 2.97 | 5.16 | 2.29 | 0.00 | 0.00 | 20.14 | 45.68 |
| | H25JD008 | 17.20 | 4.06 | 4.91 | 2.18 | 0.00 | 0.00 | 20.05 | 48.40 | 21.17 | 4.16 | 6.40 | 2.84 | 0.00 | 0.00 | 28.20 | 62.77 |
| | H25JD010 | 19.59 | 5.14 | 6.18 | 2.75 | 0.00 | 0.00 | 24.46 | 58.12 | 24.48 | 5.27 | 8.05 | 3.58 | 0.00 | 0.00 | 34.40 | 75.78 |
| | H25KM001 | 9.51 | 2.24 | 2.66 | 1.18 | 0.00 | 0.00 | 11.08 | 26.67 | 11.70 | 2.30 | 3.47 | 1.54 | 0.00 | 0.00 | 15.59 | 34.60 |
| | H25KM002 | 11.45 | 2.70 | 3.14 | 1.39 | 0.00 | 0.00 | 13.34 | 32.02 | 14.09 | 2.77 | 4.09 | 1.82 | 0.00 | 0.00 | 18.77 | 41.54 |
| | H25KM003 | 16.10 | 3.80 | 3.90 | 1.73 | 0.00 | 0.00 | 18.77 | 44.30 | 19.82 | 3.90 | 5.08 | 2.26 | 0.00 | 0.00 | 26.40 | 57.46 |
| | H25KM004 | 15.90 | 4.17 | 4.97 | 2.21 | 0.00 | 0.00 | 19.86 | 47.11 | 19.88 | 4.28 | 6.48 | 2.88 | 0.00 | 0.00 | 27.93 | 61.45 |
| | H25KM005 | 21.55 | 5.66 | 6.56 | 2.92 | 0.00 | 0.00 | 26.92 | 63.61 | 26.94 | 5.80 | 8.54 | 3.80 | 0.00 | 0.00 | 37.86 | 82.94 |
| | H25KM006 | 41.61 | 11.72 | 12.80 | 3.29 | 0.00 | 0.00 | 67.21 | 136.63 | 49.93 | 11.94 | 16.68 | 4.29 | 0.00 | 0.00 | 88.00 | 170.84 |
| | H25KM007 | 60.68 | 17.09 | 17.17 | 4.42 | 0.00 | 0.00 | 98.02 | 197.38 | 72.82 | 17.41 | 22.37 | 5.76 | 0.00 | 0.00 | 128.33 | 246.69 |
| | H25KM008 | 50.27 | 16.31 | 17.17 | 4.82 | 0.00 | 0.00 | 88.60 | 177.17 | 58.65 | 16.52 | 22.37 | 6.28 | 0.00 | 0.00 | 111.99 | 215.81 |
| | H25KO001 | 7.17 | 1.69 | 1.62 | 0.72 | 0.00 | 0.00 | 8.35 | 19.55 | 8.82 | 1.74 | 2.11 | 0.94 | 0.00 | 0.00 | 11.75 | 25.36 |
| | H25KO002 | 8.90 | 2.10 | 2.76 | 1.23 | 0.00 | 0.00 | 10.37 | 25.36 | 10.95 | 2.15 | 3.59 | 1.60 | 0.00 | 0.00 | 14.59 | 32.88 |
| | H25KO003 | 12.59 | 3.30 | 3.99 | 1.77 | 0.00 | 0.00 | 15.72 | 37.37 | 15.74 | 3.39 | 5.20 | 2.31 | 0.00 | 0.00 | 22.11 | 48.75 |
| | H25KO004 | 15.81 | 4.15 | 5.07 | 2.25 | 0.00 | 0.00 | 19.75 | 47.03 | 19.77 | 4.25 | 6.60 | 2.94 | 0.00 | 0.00 | 27.77 | 61.33 |
| | H25KO005 | 18.95 | 4.97 | 7.19 | 3.20 | 0.00 | 0.00 | 23.66 | 57.97 | 23.68 | 5.10 | 9.37 | 4.17 | 0.00 | 0.00 | 33.27 | 75.59 |
| | H25KO006 | 27.45 | 7.20 | 9.16 | 4.07 | 0.00 | 0.00 | 34.28 | 82.16 | 34.32 | 7.39 | 11.93 | 5.30 | 0.00 | 0.00 | 48.21 | 107.15 |
| | H25KO007 | 45.46 | 12.80 | 13.31 | 3.42 | 0.00 | 0.00 | 73.43 | 148.42 | 54.55 | 13.05 | 17.34 | 4.46 | 0.00 | 0.00 | 96.14 | 185.54 |
| | H25LU001 | 2.71 | 0.42 | 0.00 | 0.40 | 0.00 | 0.00 | 3.56 | 7.09 | | | | | | | | |
| | H25LU002 | 3.13 | 0.48 | 0.00 | 0.50 | 0.00 | 0.00 | 4.11 | 8.22 | | | | | | | | |
| | H25LU003 | 4.84 | 0.75 | 0.00 | 0.80 | 0.00 | 0.00 | 6.36 | 12.75 | | | | | | | | |
| | H25LU004 | 5.60 | 0.86 | 0.00 | 0.90 | 0.00 | 0.00 | 7.35 | 14.71 | | | | | | | | |
| | H25LU005 | 7.06 | 1.09 | 0.00 | 1.10 | 0.00 | 0.00 | 9.28 | 18.53 | | | | | | | | |
| | H25LU006 | 9.39 | 1.45 | 0.00 | 1.50 | 0.00 | 0.00 | 12.34 | 24.68 | | | | | | | | |
| | H25LU007 | 7.78 | 1.20 | 0.00 | 1.40 | 0.00 | 0.00 | 10.22 | 20.60 | | | | | | | | |
| | H25LU008 | 10.22 | 1.57 | 0.00 | 1.60 | 0.00 | 0.00 | 13.44 | 26.83 | | | | | | | | |
| | H25LU009 | 11.22 | 1.73 | 0.00 | 1.70 | 0.00 | 0.00 | 14.74 | 29.39 | | | | | | | | |
| | H25LU010 | 13.51 | 2.08 | 0.00 | 2.00 | 0.00 | 0.00 | 17.76 | 35.35 | | | | | | | | |
| | H25LU011 | 13.46 | 2.07 | 0.00 | 2.00 | 0.00 | 0.00 | 17.69 | 35.22 | | | | | | | | |
| | H25LU012 | 16.52 | 2.54 | 0.00 | 2.50 | 0.00 | 0.00 | 21.71 | 43.27 | | | | | | | | |
| | H25LU013 | 17.10 | 2.63 | 0.00 | 2.60 | 0.00 | 0.00 | 22.47 | 44.80 | | | | | | | | |
| | H25LU014 | 20.04 | 3.08 | 0.00 | 3.00 | 0.00 | 0.00 | 26.33 | 52.45 | | | | | | | | |
| | H25LU015 | 19.71 | 3.03 | 0.00 | 3.00 | 0.00 | 0.00 | 25.90 | 51.64 | | | | | | | | |
| | H25LU016 | 23.75 | 3.66 | 0.00 | 3.60 | 0.00 | 0.00 | 31.21 | 62.22 | | | | | | | | |
| | H25LU017 | 7.67 | 1.18 | 0.00 | 1.20 | 0.00 | 0.00 | 10.08 | 20.13 | | | | | | | | |
| | H25LU018 | 9.33 | 1.44 | 0.00 | 1.40 | 0.00 | 0.00 | 12.27 | 24.44 | | | | | | | | |
| | H25LU019 | 11.07 | 1.70 | 0.00 | 1.65 | 0.00 | 0.00 | 14.55 | 28.97 | | | | | | | | |
| | H25LU020 | 12.74 | 1.96 | 0.00 | 2.00 | 0.00 | 0.00 | 16.74 | 33.44 | | | | | | | | |
| | H25LU021 | 8.75 | 1.35 | 0.00 | 1.30 | 0.00 | 0.00 | 11.50 | 22.90 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | H25LU022 | 0.69 | 0.12 | 0.00 | 0.20 | 0.00 | 0.00 | 0.85 | 1.86 | | | | | | | | |
| | H25LU023 | 1.31 | 0.22 | 0.00 | 0.25 | 0.00 | 0.00 | 1.63 | 3.41 | | | | | | | | |
| | H25LU024 | 1.91 | 0.32 | 0.00 | 0.30 | 0.00 | 0.00 | 2.38 | 4.91 | | | | | | | | |
| | H25LU025 | 2.37 | 0.40 | 0.00 | 0.40 | 0.00 | 0.00 | 2.94 | 6.11 | | | | | | | | |
| | H25LU026 | 2.72 | 0.46 | 0.00 | 0.50 | 0.00 | 0.00 | 3.38 | 7.06 | | | | | | | | |
| | H25LU027 | 3.06 | 0.51 | 0.00 | 0.60 | 0.00 | 0.00 | 3.80 | 7.97 | | | | | | | | |
| | H25LU028 | 3.94 | 0.66 | 0.00 | 0.70 | 0.00 | 0.00 | 4.90 | 10.20 | | | | | | | | |
| | H25LU029 | 2.37 | 0.40 | 0.00 | 0.40 | 0.00 | 0.00 | 2.94 | 6.11 | | | | | | | | |
| | H25LU030 | 3.93 | 0.66 | 0.00 | 0.60 | 0.00 | 0.00 | 4.87 | 10.06 | | | | | | | | |
| | H25LU031 | 7.45 | 1.25 | 0.00 | 1.20 | 0.00 | 0.00 | 9.24 | 19.14 | | | | | | | | |
| | H25LU032 | 9.04 | 1.52 | 0.00 | 1.40 | 0.00 | 0.00 | 11.22 | 23.18 | | | | | | | | |
| | H25LU033 | 3.62 | 0.61 | 0.00 | 0.60 | 0.00 | 0.00 | 4.49 | 9.32 | | | | | | | | |
| | H25LU034 | 5.09 | 0.85 | 0.00 | 0.80 | 0.00 | 0.00 | 6.32 | 13.06 | | | | | | | | |
| | H25LU035 | 5.48 | 0.92 | 0.00 | 0.90 | 0.00 | 0.00 | 6.80 | 14.10 | | | | | | | | |
| | H25LU036 | 5.86 | 0.98 | 0.00 | 1.00 | 0.00 | 0.00 | 7.27 | 15.11 | | | | | | | | |
| | H25LU037 | 4.98 | 0.84 | 0.00 | 0.00 | 0.00 | 0.00 | 6.18 | 12.00 | | | | | | | | |
| | H25LU038 | 2.12 | 0.33 | 0.00 | 0.40 | 0.00 | 0.00 | 3.09 | 5.94 | | | | | | | | |
| | H25LU039 | 3.39 | 0.52 | 0.00 | 0.50 | 0.00 | 0.00 | 4.95 | 9.36 | | | | | | | | |
| | H25LU040 | 7.86 | 1.21 | 0.00 | 1.20 | 0.00 | 0.00 | 11.47 | 21.74 | | | | | | | | |
| | H25LU041 | 10.39 | 1.60 | 0.00 | 1.60 | 0.00 | 0.00 | 15.17 | 28.76 | | | | | | | | |
| | H25LU042 | 14.47 | 2.23 | 0.00 | 2.20 | 0.00 | 0.00 | 21.12 | 40.02 | | | | | | | | |
| | H25LU043 | 2.16 | 0.33 | 0.00 | 0.35 | 0.00 | 0.00 | 3.15 | 5.99 | | | | | | | | |
| | H25LU044 | 2.66 | 0.41 | 0.00 | 0.40 | 0.00 | 0.00 | 3.89 | 7.36 | | | | | | | | |
| | H25LU045 | 3.04 | 0.47 | 0.00 | 0.50 | 0.00 | 0.00 | 4.44 | 8.45 | | | | | | | | |
| | H25LU046 | 3.42 | 0.53 | 0.00 | 0.50 | 0.00 | 0.00 | 4.99 | 9.44 | | | | | | | | |
| | H25LU047 | 4.02 | 0.62 | 0.00 | 0.60 | 0.00 | 0.00 | 5.88 | 11.12 | | | | | | | | |
| | H25LU048 | 4.38 | 0.67 | 0.00 | 0.70 | 0.00 | 0.00 | 6.39 | 12.14 | | | | | | | | |
| | H25LU049 | 5.40 | 0.83 | 0.00 | 0.80 | 0.00 | 0.00 | 7.89 | 14.92 | | | | | | | | |
| | H25LU050 | 5.99 | 0.92 | 0.00 | 0.90 | 0.00 | 0.00 | 8.75 | 16.56 | | | | | | | | |
| | H25LU051 | 7.35 | 1.13 | 0.00 | 1.00 | 0.00 | 0.00 | 10.73 | 20.21 | | | | | | | | |
| | H25LU052 | 9.96 | 1.53 | 0.00 | 1.10 | 0.00 | 0.00 | 14.54 | 27.13 | | | | | | | | |
| | H25MD001 | 9.46 | 2.23 | 2.66 | 1.18 | 0.00 | 0.00 | 11.03 | 26.56 | 11.65 | 2.29 | 3.47 | 1.54 | 0.00 | 0.00 | 15.52 | 34.47 |
| | H25MD002 | 15.25 | 3.60 | 3.90 | 1.73 | 0.00 | 0.00 | 17.77 | 42.25 | 18.77 | 3.69 | 5.08 | 2.26 | 0.00 | 0.00 | 25.00 | 54.80 |
| | H25MD003 | 15.83 | 4.15 | 4.85 | 2.15 | 0.00 | 0.00 | 19.77 | 46.75 | 19.79 | 4.26 | 6.32 | 2.81 | 0.00 | 0.00 | 27.80 | 60.98 |
| | H25MD004 | 19.20 | 5.04 | 5.83 | 2.59 | 0.00 | 0.00 | 23.98 | 56.64 | 24.00 | 5.17 | 7.60 | 3.38 | 0.00 | 0.00 | 33.72 | 73.87 |
| | H25MD005 | 19.25 | 5.05 | 7.19 | 3.20 | 0.00 | 0.00 | 24.04 | 58.73 | 24.06 | 5.18 | 9.37 | 4.17 | 0.00 | 0.00 | 33.81 | 76.59 |
| | H25MD006 | 26.59 | 6.98 | 7.82 | 3.48 | 0.00 | 0.00 | 33.21 | 78.08 | 33.24 | 7.16 | 10.20 | 4.53 | 0.00 | 0.00 | 46.71 | 101.84 |
| | H25MD007 | 27.32 | 7.17 | 9.06 | 4.03 | 0.00 | 0.00 | 34.12 | 81.70 | 34.15 | 7.35 | 11.81 | 5.25 | 0.00 | 0.00 | 47.98 | 106.54 |
| H30 | | | | | | | | | | | | | | | | | |
| | H30AK001 | 17.12 | 3.72 | 5.01 | 2.11 | 0.27 | 0.05 | 13.37 | 41.65 | 21.07 | 3.82 | 6.54 | 2.76 | 0.34 | 0.06 | 18.12 | 52.71 |
| | H30AK002 | 18.31 | 4.42 | 5.74 | 2.42 | 0.35 | 0.06 | 16.16 | 47.46 | 22.89 | 4.54 | 7.49 | 3.15 | 0.44 | 0.08 | 21.87 | 60.46 |
| | H30BA001 | 15.18 | 3.41 | 4.73 | 1.99 | 1.09 | 0.19 | 11.94 | 38.53 | 18.68 | 3.50 | 5.92 | 2.49 | 1.35 | 0.24 | 16.18 | 48.36 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | H30BA002 | 26.62 | 5.78 | 7.65 | 3.22 | 0.39 | 0.07 | 20.80 | 64.53 | 32.76 | 5.94 | 9.71 | 4.09 | 0.48 | 0.08 | 28.18 | 81.24 |
| | H30CA001 | 10.13 | 2.26 | 2.45 | 1.03 | 0.56 | 0.10 | 7.96 | 24.49 | 12.47 | 2.32 | 3.20 | 1.35 | 0.68 | 0.12 | 10.78 | 30.92 |
| | H30CA002 | 12.76 | 2.82 | 3.25 | 1.37 | 0.56 | 0.10 | 10.01 | 30.87 | 15.71 | 2.90 | 4.24 | 1.79 | 0.68 | 0.12 | 13.56 | 39.00 |
| | H30CA003 | 14.73 | 3.25 | 3.80 | 1.60 | 0.56 | 0.10 | 11.54 | 35.58 | 18.13 | 3.34 | 4.96 | 2.09 | 0.68 | 0.12 | 15.64 | 44.96 |
| | H30CA004 | 17.09 | 4.15 | 4.67 | 1.97 | 0.56 | 0.10 | 15.09 | 43.63 | 21.36 | 4.27 | 6.09 | 2.57 | 0.68 | 0.12 | 20.43 | 55.52 |
| | H30GA002 | 21.06 | 4.61 | 7.99 | 3.37 | 0.65 | 0.11 | 16.49 | 54.28 | 25.92 | 4.74 | 10.18 | 4.29 | 0.81 | 0.14 | 22.34 | 68.42 |
| | H30GA003 | 12.94 | 2.84 | 4.94 | 2.08 | 0.41 | 0.07 | 10.13 | 33.41 | 15.93 | 2.92 | 6.45 | 2.72 | 0.51 | 0.09 | 13.73 | 42.35 |
| | H30GA004 | 14.25 | 3.13 | 4.94 | 2.08 | 0.49 | 0.09 | 11.16 | 36.14 | 17.54 | 3.22 | 6.45 | 2.72 | 0.59 | 0.10 | 15.13 | 45.75 |
| | H30GA005 | 24.68 | 5.39 | 7.61 | 3.21 | 0.65 | 0.11 | 19.31 | 60.96 | 30.37 | 5.54 | 9.66 | 4.07 | 0.81 | 0.14 | 26.16 | 76.75 |
| H35 | | | | | | | | | | | | | | | | | |
| | H35HI001 | 43.00 | 15.79 | 16.22 | 4.55 | 0.00 | 0.00 | 75.78 | 155.34 | 49.14 | 15.94 | 21.14 | 5.93 | 0.00 | 0.00 | 93.83 | 185.98 |
| | H35HI002 | 71.70 | 26.33 | 29.15 | 8.18 | 0.00 | 0.00 | 126.36 | 261.72 | 81.94 | 26.58 | 37.98 | 10.66 | 0.00 | 0.00 | 156.47 | 313.63 |
| | H35HI003 | 161.10 | 59.16 | 52.59 | 14.77 | 0.00 | 0.00 | 283.91 | 571.53 | 184.11 | 59.73 | 68.52 | 19.24 | 0.00 | 0.00 | 351.54 | 683.14 |
| | H35HI004 | 36.77 | 11.93 | 13.12 | 3.38 | 0.00 | 0.00 | 53.98 | 119.18 | 42.89 | 12.08 | 17.09 | 4.40 | 0.00 | 0.00 | 69.29 | 145.75 |
| L10 | | | | | | | | | | | | | | | | | |
| | L10BS001 | 2.20 | 0.47 | 0.00 | 0.40 | 0.00 | 0.00 | 3.08 | 6.15 | 2.71 | 0.49 | 0.00 | 0.40 | 0.00 | 0.00 | 4.22 | 7.82 |
| | L10BS002 | 2.03 | 0.44 | 0.00 | 0.30 | 0.00 | 0.00 | 2.84 | 5.61 | 2.50 | 0.45 | 0.00 | 0.30 | 0.00 | 0.00 | 3.89 | 7.14 |
| | L10BS003 | 2.70 | 0.58 | 0.00 | 0.30 | 0.00 | 0.00 | 3.78 | 7.36 | 3.32 | 0.60 | 0.00 | 0.30 | 0.00 | 0.00 | 5.17 | 9.39 |
| | L10BS004 | 0.89 | 0.19 | 0.00 | 0.25 | 0.00 | 0.00 | 1.25 | 2.58 | 1.10 | 0.20 | 0.00 | 0.25 | 0.00 | 0.00 | 1.71 | 3.26 |
| | L10BS005 | 2.02 | 0.44 | 0.00 | 0.30 | 0.00 | 0.00 | 2.83 | 5.59 | 2.49 | 0.45 | 0.00 | 0.30 | 0.00 | 0.00 | 3.87 | 7.11 |
| | L10BS006 | 3.09 | 0.67 | 0.00 | 0.40 | 0.00 | 0.00 | 4.33 | 8.49 | 3.81 | 0.68 | 0.00 | 0.40 | 0.00 | 0.00 | 5.92 | 10.81 |
| | L10BS007 | 3.69 | 0.79 | 0.00 | 0.50 | 0.00 | 0.00 | 5.17 | 10.15 | 4.55 | 0.82 | 0.00 | 0.50 | 0.00 | 0.00 | 7.07 | 12.94 |
| | L10BU001 | 0.45 | 0.10 | 0.00 | 0.80 | 0.00 | 0.00 | 0.63 | 1.98 | 0.55 | 0.10 | 0.00 | 0.80 | 0.00 | 0.00 | 0.86 | 2.31 |
| | L10BU002 | 0.88 | 0.19 | 0.00 | 1.50 | 0.00 | 0.00 | 1.23 | 3.80 | 1.08 | 0.19 | 0.00 | 1.50 | 0.00 | 0.00 | 1.68 | 4.45 |
| | L10BU003 | 1.18 | 0.25 | 0.00 | 2.00 | 0.00 | 0.00 | 1.66 | 5.09 | 1.46 | 0.26 | 0.00 | 2.00 | 0.00 | 0.00 | 2.27 | 5.99 |
| | L10BU004 | 1.48 | 0.32 | 0.00 | 2.50 | 0.00 | 0.00 | 2.07 | 6.37 | 1.82 | 0.33 | 0.00 | 2.50 | 0.00 | 0.00 | 2.84 | 7.49 |
| | L10BU005 | 0.61 | 0.13 | 0.00 | 1.10 | 0.00 | 0.00 | 0.86 | 2.70 | 0.75 | 0.14 | 0.00 | 1.10 | 0.00 | 0.00 | 1.17 | 3.16 |
| | L10BU006 | 0.21 | 0.04 | 0.00 | 0.70 | 0.00 | 0.00 | 0.29 | 1.24 | 0.26 | 0.05 | 0.00 | 0.70 | 0.00 | 0.00 | 0.40 | 1.41 |
| | L10BU007 | 0.22 | 0.05 | 0.00 | 0.80 | 0.00 | 0.00 | 0.31 | 1.38 | 0.27 | 0.05 | 0.00 | 0.80 | 0.00 | 0.00 | 0.42 | 1.54 |
| | L10BU008 | 0.24 | 0.05 | 0.00 | 0.80 | 0.00 | 0.00 | 0.33 | 1.42 | 0.29 | 0.05 | 0.00 | 0.80 | 0.00 | 0.00 | 0.46 | 1.60 |
| | L10BU009 | 0.25 | 0.05 | 0.00 | 0.90 | 0.00 | 0.00 | 0.35 | 1.55 | 0.31 | 0.06 | 0.00 | 0.90 | 0.00 | 0.00 | 0.48 | 1.75 |
| | L10CI001 | 0.51 | 0.11 | 1.71 | 0.60 | 0.00 | 0.00 | 0.71 | 3.64 | 0.62 | 0.11 | 2.23 | 0.78 | 0.00 | 0.00 | 0.97 | 4.71 |
| | L10VE001 | 0.64 | 0.14 | 1.80 | 0.63 | 0.02 | 0.00 | 0.90 | 4.13 | 0.78 | 0.14 | 2.35 | 0.83 | 0.02 | 0.00 | 1.23 | 5.35 |
| | L10VE002 | 0.69 | 0.15 | 3.23 | 1.13 | 0.01 | 0.00 | 0.97 | 6.18 | 0.85 | 0.16 | 4.21 | 1.48 | 0.02 | 0.00 | 1.33 | 8.05 |
| | L10VE003 | 1.87 | 0.41 | 5.88 | 2.06 | 0.03 | 0.01 | 2.62 | 12.88 | 2.30 | 0.42 | 7.68 | 2.70 | 0.03 | 0.01 | 3.59 | 16.73 |
| | L10VE004 | 2.95 | 0.64 | 5.88 | 2.06 | 0.03 | 0.01 | 4.14 | 15.71 | 3.63 | 0.66 | 7.68 | 2.70 | 0.03 | 0.01 | 5.66 | 20.37 |
| | L10VE005 | 1.34 | 0.29 | 1.23 | 0.43 | 0.03 | 0.01 | 1.88 | 5.21 | 1.65 | 0.30 | 1.61 | 0.57 | 0.03 | 0.01 | 2.57 | 6.74 |
| | L10VE006 | 1.79 | 0.39 | 1.23 | 0.43 | 0.03 | 0.01 | 2.52 | 6.40 | 2.21 | 0.40 | 1.61 | 0.57 | 0.03 | 0.01 | 3.44 | 8.27 |
| | L10VE007 | 1.82 | 0.39 | 0.00 | 1.50 | 0.00 | 0.00 | 2.54 | 6.25 | 2.23 | 0.40 | 0.00 | 1.50 | 0.00 | 0.00 | 3.48 | 7.61 |
| | L10VE008 | 6.12 | 1.32 | 0.00 | 3.00 | 0.00 | 0.00 | 8.56 | 19.00 | 7.53 | 1.35 | 0.00 | 3.00 | 0.00 | 0.00 | 11.72 | 23.60 |
| L15 | | | | | | | | | | | | | | | | | |
| | L15EX001 | 2.70 | 0.31 | 2.92 | 0.82 | 0.04 | 0.01 | 2.77 | 9.57 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | L15EX002 | 3.04 | 0.34 | 0.95 | 0.27 | 0.04 | 0.01 | 3.11 | 7.76 | | | | | | | | |
| | L15EX003 | 3.58 | 0.40 | 0.99 | 0.28 | 0.04 | 0.01 | 3.67 | 8.97 | | | | | | | | |
| | L15EX004 | 3.38 | 0.38 | 1.21 | 0.34 | 0.04 | 0.01 | 3.46 | 8.82 | | | | | | | | |
| | L15EX005 | 3.12 | 0.35 | 4.32 | 1.21 | 0.04 | 0.01 | 3.19 | 12.24 | | | | | | | | |
| | L15EX006 | 3.28 | 0.37 | 5.46 | 1.53 | 0.04 | 0.01 | 3.37 | 14.06 | | | | | | | | |
| | L15EX007 | 3.86 | 0.43 | 5.46 | 1.53 | 0.04 | 0.01 | 3.95 | 15.28 | | | | | | | | |
| | L15EX008 | 5.84 | 0.66 | 1.25 | 0.35 | 0.10 | 0.02 | 5.98 | 14.20 | | | | | | | | |
| | L15EX009 | 3.79 | 0.43 | 5.46 | 1.53 | 0.04 | 0.01 | 3.88 | 15.14 | | | | | | | | |
| | L15TO001 | 0.16 | 0.02 | 0.63 | 0.18 | 0.00 | 0.00 | 0.16 | 1.15 | | | | | | | | |
| | L15TO002 | 0.35 | 0.04 | 1.02 | 0.29 | 0.03 | 0.01 | 0.36 | 2.10 | | | | | | | | |
| | L15TO003 | 1.32 | 0.15 | 2.16 | 0.61 | 0.03 | 0.01 | 1.35 | 5.63 | | | | | | | | |
| | L15TO004 | 1.38 | 0.16 | 2.16 | 0.61 | 0.03 | 0.01 | 1.42 | 5.77 | | | | | | | | |
| | L15TO005 | 2.89 | 0.33 | 0.91 | 0.25 | 0.04 | 0.01 | 2.96 | 7.39 | | | | | | | | |
| | L15TO006 | 2.38 | 0.27 | 2.54 | 0.71 | 0.04 | 0.01 | 2.44 | 8.39 | | | | | | | | |
| | L15TO007 | 2.52 | 0.28 | 2.54 | 0.71 | 0.04 | 0.01 | 2.58 | 8.68 | | | | | | | | |
| | L15TO008 | 3.04 | 0.34 | 0.91 | 0.25 | 0.04 | 0.01 | 3.11 | 7.70 | | | | | | | | |
| L20 | | | | | | | | | | | | | | | | | |
| | L20AB001 | 1.55 | 0.38 | 0.68 | 0.19 | 0.06 | 0.01 | 3.88 | 6.75 | | | | | | | | |
| | L20AB002 | 1.43 | 0.35 | 0.68 | 0.19 | 0.06 | 0.01 | 3.58 | 6.30 | | | | | | | | |
| | L20AB003 | 0.90 | 0.22 | 0.23 | 0.06 | 0.06 | 0.01 | 2.27 | 3.75 | | | | | | | | |
| | L20AB004 | 0.67 | 0.17 | 0.23 | 0.06 | 0.06 | 0.01 | 1.70 | 2.90 | | | | | | | | |
| | L20AB005 | 0.99 | 0.24 | 0.45 | 0.13 | 0.06 | 0.01 | 2.49 | 4.37 | | | | | | | | |
| | L20AB006 | 0.41 | 0.11 | 0.67 | 0.19 | 0.06 | 0.01 | 1.04 | 2.49 | | | | | | | | |
| | L20AB007 | 0.50 | 0.13 | 0.23 | 0.06 | 0.06 | 0.01 | 1.27 | 2.26 | | | | | | | | |
| | L20AB008 | 0.36 | 0.10 | 0.67 | 0.19 | 0.06 | 0.01 | 0.92 | 2.31 | | | | | | | | |
| | L20AB009 | 0.46 | 0.12 | 0.23 | 0.06 | 0.06 | 0.01 | 1.17 | 2.11 | | | | | | | | |
| | L20AB010 | 0.57 | 0.14 | 0.34 | 0.20 | 0.06 | 0.01 | 1.44 | 2.76 | | | | | | | | |
| | L20AB011 | 0.39 | 0.10 | 0.34 | 0.20 | 0.06 | 0.01 | 0.98 | 2.08 | | | | | | | | |
| | L20AI001 | 0.45 | 0.11 | 0.54 | 0.15 | 0.02 | 0.00 | 1.12 | 2.39 | | | | | | | | |
| | L20AI002 | 1.28 | 0.31 | 0.50 | 0.14 | 0.03 | 0.01 | 3.20 | 5.47 | | | | | | | | |
| | L20AI003 | 1.48 | 0.35 | 0.72 | 0.20 | 0.03 | 0.01 | 3.69 | 6.48 | | | | | | | | |
| | L20AI004 | 1.94 | 0.46 | 2.15 | 0.60 | 0.03 | 0.01 | 4.82 | 10.01 | | | | | | | | |
| L25 | | | | | | | | | | | | | | | | | |
| | L25MB001 | 0.29 | 0.07 | 0.54 | 0.90 | 0.00 | 0.00 | 0.57 | 2.37 | | | | | | | | |
| | L25MB002 | 0.36 | 0.09 | 0.81 | 1.23 | 0.00 | 0.00 | 0.72 | 3.21 | | | | | | | | |
| | L25MB003 | 1.02 | 0.24 | 1.35 | 1.63 | 0.00 | 0.00 | 2.02 | 6.26 | | | | | | | | |
| | L25MB004 | 7.26 | 1.73 | 25.58 | 8.68 | 0.23 | 0.04 | 14.46 | 57.98 | | | | | | | | |
| L30 | | | | | | | | | | | | | | | | | |
| | L30KL001 | 1.97 | 0.57 | 0.35 | 0.11 | 0.48 | 0.08 | 3.12 | 6.68 | 2.46 | 0.59 | 0.45 | 0.15 | 0.61 | 0.11 | 4.30 | 8.67 |
| | L30KL002 | 0.65 | 0.17 | 0.17 | 0.06 | 0.00 | 0.00 | 1.01 | 2.06 | 0.81 | 0.18 | 0.23 | 0.07 | 0.00 | 0.00 | 1.39 | 2.68 |
| | L30KL003 | 0.83 | 0.22 | 0.10 | 0.03 | 0.00 | 0.00 | 1.29 | 2.47 | 1.04 | 0.22 | 0.14 | 0.04 | 0.00 | 0.00 | 1.77 | 3.21 |
| | L30KL004 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.36 | 0.16 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.48 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID.NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | L30KL005 | 0.67 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.89 | 0.83 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.42 | 2.43 |
| | L30KL006 | 0.50 | 0.13 | 0.10 | 0.03 | 0.00 | 0.00 | 0.78 | 1.54 | 0.63 | 0.13 | 0.14 | 0.04 | 0.00 | 0.00 | 1.07 | 2.01 |
| | L30KL007 | 0.68 | 0.18 | 0.17 | 0.06 | 0.00 | 0.00 | 1.05 | 2.14 | 0.85 | 0.18 | 0.23 | 0.07 | 0.00 | 0.00 | 1.45 | 2.78 |
| | L30KL008 | 0.96 | 0.25 | 0.17 | 0.06 | 0.00 | 0.00 | 1.48 | 2.92 | 1.20 | 0.26 | 0.23 | 0.07 | 0.00 | 0.00 | 2.04 | 3.80 |
| | L30KL009 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.29 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.37 |
| | L30KL010 | 2.07 | 0.61 | 0.69 | 0.23 | 0.54 | 0.09 | 3.29 | 7.52 | 2.59 | 0.62 | 0.90 | 0.30 | 0.70 | 0.12 | 4.52 | 9.75 |
| | L30KL011 | 0.77 | 0.20 | 0.28 | 0.09 | 0.00 | 0.00 | 1.19 | 2.53 | 0.96 | 0.21 | 0.36 | 0.12 | 0.00 | 0.00 | 1.63 | 3.28 |
| | L30KL012 | 0.92 | 0.24 | 0.17 | 0.06 | 0.00 | 0.00 | 1.43 | 2.82 | 1.15 | 0.25 | 0.23 | 0.07 | 0.00 | 0.00 | 1.96 | 3.66 |
| | L30KL013 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.36 | 0.16 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.48 |
| | L30KL014 | 0.67 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.89 | 0.83 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.42 | 2.43 |
| | L30KL015 | 0.61 | 0.16 | 0.10 | 0.03 | 0.00 | 0.00 | 0.94 | 1.84 | 0.76 | 0.16 | 0.14 | 0.04 | 0.00 | 0.00 | 1.30 | 2.40 |
| | L30KL016 | 0.83 | 0.22 | 0.17 | 0.06 | 0.00 | 0.00 | 1.29 | 2.57 | 1.04 | 0.22 | 0.23 | 0.07 | 0.00 | 0.00 | 1.78 | 3.34 |
| | L30KL017 | 1.13 | 0.30 | 0.28 | 0.09 | 0.00 | 0.00 | 1.75 | 3.55 | 1.41 | 0.30 | 0.36 | 0.12 | 0.00 | 0.00 | 2.40 | 4.59 |
| | L30KL018 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.29 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.37 |
| | L30KL019 | 2.49 | 0.73 | 1.04 | 0.34 | 0.67 | 0.12 | 3.96 | 9.35 | 3.12 | 0.75 | 1.35 | 0.44 | 0.88 | 0.15 | 5.44 | 12.13 |
| | L30KL020 | 0.81 | 0.21 | 0.31 | 0.10 | 0.00 | 0.00 | 1.26 | 2.69 | 1.01 | 0.22 | 0.41 | 0.13 | 0.00 | 0.00 | 1.73 | 3.50 |
| | L30KL021 | 1.00 | 0.26 | 0.24 | 0.08 | 0.00 | 0.00 | 1.54 | 3.12 | 1.24 | 0.27 | 0.32 | 0.10 | 0.00 | 0.00 | 2.12 | 4.05 |
| | L30KL022 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.36 | 0.16 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.48 |
| | L30KL023 | 0.67 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.89 | 0.83 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.42 | 2.43 |
| | L30KL024 | 0.69 | 0.18 | 0.17 | 0.06 | 0.00 | 0.00 | 1.07 | 2.17 | 0.86 | 0.19 | 0.23 | 0.07 | 0.00 | 0.00 | 1.47 | 2.82 |
| | L30KL025 | 0.95 | 0.25 | 0.28 | 0.09 | 0.00 | 0.00 | 1.48 | 3.05 | 1.19 | 0.26 | 0.36 | 0.12 | 0.00 | 0.00 | 2.04 | 3.97 |
| | L30KL026 | 1.11 | 0.29 | 0.28 | 0.09 | 0.00 | 0.00 | 1.71 | 3.48 | 1.38 | 0.30 | 0.36 | 0.12 | 0.00 | 0.00 | 2.36 | 4.52 |
| | L30KL027 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.29 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.37 |
| | L30KL028 | 2.68 | 0.79 | 1.38 | 0.45 | 0.74 | 0.13 | 4.26 | 10.43 | 3.36 | 0.81 | 1.80 | 0.59 | 0.99 | 0.17 | 5.86 | 13.58 |
| | L30KL029 | 0.99 | 0.26 | 0.38 | 0.12 | 0.00 | 0.00 | 1.53 | 3.28 | 1.23 | 0.27 | 0.50 | 0.16 | 0.00 | 0.00 | 2.11 | 4.27 |
| | L30KL030 | 1.00 | 0.26 | 0.31 | 0.10 | 0.00 | 0.00 | 1.55 | 3.22 | 1.25 | 0.27 | 0.41 | 0.13 | 0.00 | 0.00 | 2.13 | 4.19 |
| | L30KL031 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.36 | 0.16 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.48 |
| | L30KL032 | 0.67 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.04 | 1.89 | 0.83 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 1.42 | 2.43 |
| | L30KL033 | 0.89 | 0.23 | 0.17 | 0.06 | 0.00 | 0.00 | 1.38 | 2.73 | 1.11 | 0.24 | 0.23 | 0.07 | 0.00 | 0.00 | 1.90 | 3.55 |
| | L30KL034 | 1.05 | 0.28 | 0.28 | 0.09 | 0.00 | 0.00 | 1.63 | 3.33 | 1.31 | 0.28 | 0.36 | 0.12 | 0.00 | 0.00 | 2.24 | 4.31 |
| | L30KL035 | 1.60 | 0.42 | 0.35 | 0.11 | 0.00 | 0.00 | 2.49 | 4.97 | 2.00 | 0.43 | 0.45 | 0.15 | 0.00 | 0.00 | 3.42 | 6.45 |
| | L30KL036 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.29 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.37 |
| | L30KL037 | 3.58 | 1.04 | 1.73 | 0.57 | 0.91 | 0.16 | 5.66 | 13.65 | 4.47 | 1.06 | 2.26 | 0.74 | 1.26 | 0.22 | 7.79 | 17.80 |
| | L30KL038 | 1.36 | 0.36 | 0.52 | 0.17 | 0.00 | 0.00 | 2.11 | 4.52 | 1.70 | 0.37 | 0.68 | 0.22 | 0.00 | 0.00 | 2.90 | 5.87 |
| | L30KL039 | 1.31 | 0.34 | 0.35 | 0.11 | 0.00 | 0.00 | 2.03 | 4.14 | 1.63 | 0.35 | 0.45 | 0.15 | 0.00 | 0.00 | 2.79 | 5.37 |
| | L30KL040 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.36 | 0.16 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.48 |
| | L30KL041 | 0.79 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 1.23 | 2.23 | 0.99 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 1.69 | 2.89 |
| | L30KL042 | 1.04 | 0.27 | 0.28 | 0.09 | 0.00 | 0.00 | 1.61 | 3.29 | 1.30 | 0.28 | 0.36 | 0.12 | 0.00 | 0.00 | 2.22 | 4.28 |
| | L30KL043 | 1.88 | 0.49 | 0.35 | 0.11 | 0.00 | 0.00 | 2.92 | 5.75 | 2.35 | 0.51 | 0.45 | 0.15 | 0.00 | 0.00 | 4.02 | 7.48 |
| | L30KL044 | 2.12 | 0.56 | 0.35 | 0.11 | 0.00 | 0.00 | 3.29 | 6.43 | 2.65 | 0.57 | 0.45 | 0.15 | 0.00 | 0.00 | 4.53 | 8.35 |
| | L30KL045 | 0.10 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.29 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.37 |
| | L30KL046 | 16.22 | 4.38 | 4.32 | 1.42 | 1.09 | 0.19 | 25.30 | 52.92 | 20.27 | 4.49 | 5.64 | 1.85 | 1.44 | 0.25 | 34.81 | 68.75 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | L30KL047 | 17.95 | 4.84 | 6.39 | 2.09 | 1.22 | 0.21 | 28.00 | 60.70 | 22.43 | 4.97 | 8.35 | 2.73 | 1.64 | 0.29 | 38.52 | 78.93 |
| | L30KL048 | 18.34 | 5.00 | 6.39 | 2.09 | 1.85 | 0.32 | 28.67 | 62.66 | 22.92 | 5.13 | 8.35 | 2.73 | 2.58 | 0.45 | 39.45 | 81.61 |
| | L30KL049 | 20.23 | 5.52 | 10.02 | 3.28 | 2.14 | 0.38 | 31.63 | 73.20 | 25.28 | 5.67 | 13.08 | 4.29 | 3.01 | 0.53 | 43.52 | 95.38 |
| | L30KL050 | 19.73 | 5.30 | 6.39 | 2.09 | 1.09 | 0.19 | 30.74 | 65.53 | 24.66 | 5.43 | 8.35 | 2.73 | 1.44 | 0.25 | 42.30 | 85.16 |
| | L30KL051 | 20.82 | 5.60 | 6.39 | 2.09 | 1.22 | 0.21 | 32.46 | 68.79 | 26.03 | 5.74 | 8.35 | 2.73 | 1.64 | 0.29 | 44.66 | 89.44 |
| | L30KL052 | 23.30 | 6.31 | 10.02 | 3.28 | 1.85 | 0.32 | 36.37 | 81.45 | 29.13 | 6.47 | 13.08 | 4.29 | 2.58 | 0.45 | 50.05 | 106.05 |
| | L30KL053 | 24.96 | 6.77 | 10.02 | 3.28 | 2.14 | 0.38 | 38.97 | 86.52 | 31.20 | 6.94 | 13.08 | 4.29 | 3.01 | 0.53 | 53.62 | 112.67 |
| | L30KL054 | 1.37 | 0.36 | 0.28 | 0.09 | 0.00 | 0.00 | 2.13 | 4.23 | 1.71 | 0.37 | 0.36 | 0.12 | 0.00 | 0.00 | 2.92 | 5.48 |
| | L30KL055 | 2.30 | 0.60 | 0.52 | 0.17 | 0.00 | 0.00 | 3.57 | 7.16 | 2.87 | 0.62 | 0.68 | 0.22 | 0.00 | 0.00 | 4.91 | 9.30 |
| | L30KL056 | 2.48 | 0.65 | 0.52 | 0.17 | 0.00 | 0.00 | 3.85 | 7.67 | 3.10 | 0.67 | 0.68 | 0.22 | 0.00 | 0.00 | 5.30 | 9.97 |
| | L30KL057 | 2.27 | 0.60 | 0.52 | 0.17 | 0.00 | 0.00 | 3.53 | 7.09 | 2.84 | 0.61 | 0.68 | 0.22 | 0.00 | 0.00 | 4.85 | 9.20 |
| | L30MX008 | 0.47 | 0.12 | 0.00 | 0.75 | 0.00 | 0.00 | 0.72 | 2.06 | 0.58 | 0.13 | 0.00 | 0.75 | 0.00 | 0.00 | 1.00 | 2.46 |
| L35 | | | | | | | | | | | | | | | | | |
| | L35CA001 | 4.95 | 1.30 | 2.51 | 1.12 | 0.00 | 0.00 | 10.40 | 20.28 | 6.19 | 1.33 | 3.28 | 1.46 | 0.00 | 0.00 | 13.49 | 25.75 |
| | L35CA002 | 5.44 | 1.43 | 2.51 | 1.12 | 0.00 | 0.00 | 11.43 | 21.93 | 6.80 | 1.46 | 3.28 | 1.46 | 0.00 | 0.00 | 14.81 | 27.81 |
| | L35CA003 | 5.59 | 1.47 | 2.92 | 1.30 | 0.00 | 0.00 | 11.74 | 23.02 | 6.98 | 1.50 | 3.82 | 1.70 | 0.00 | 0.00 | 15.21 | 29.21 |
| | L35CA004 | 8.48 | 2.22 | 3.00 | 1.33 | 0.00 | 0.00 | 17.82 | 32.85 | 10.60 | 2.28 | 3.92 | 1.74 | 0.00 | 0.00 | 23.10 | 41.64 |
| | L35CA005 | 10.95 | 2.87 | 4.12 | 1.83 | 0.00 | 0.00 | 23.02 | 42.79 | 13.69 | 2.95 | 5.39 | 2.39 | 0.00 | 0.00 | 29.83 | 54.25 |
| | L35CA006 | 15.01 | 3.94 | 5.62 | 2.50 | 0.00 | 0.00 | 31.54 | 58.61 | 18.76 | 4.04 | 7.34 | 3.27 | 0.00 | 0.00 | 40.88 | 74.29 |
| | L35CA007 | 22.72 | 5.96 | 7.86 | 3.50 | 0.00 | 0.00 | 47.73 | 87.77 | 28.40 | 6.11 | 10.28 | 4.57 | 0.00 | 0.00 | 61.87 | 111.23 |
| | L35CS001 | 4.80 | 1.26 | 2.36 | 1.05 | 0.00 | 0.00 | 10.08 | 19.55 | 6.00 | 1.29 | 3.08 | 1.37 | 0.00 | 0.00 | 13.06 | 24.80 |
| | L35CS002 | 6.44 | 1.69 | 3.07 | 1.36 | 0.00 | 0.00 | 13.53 | 26.09 | 8.05 | 1.73 | 4.01 | 1.78 | 0.00 | 0.00 | 17.53 | 33.10 |
| | L35CS003 | 8.37 | 2.20 | 4.42 | 1.96 | 0.00 | 0.00 | 17.60 | 34.55 | 10.47 | 2.25 | 5.78 | 2.57 | 0.00 | 0.00 | 22.81 | 43.88 |
| | L35FI001 | 5.48 | 1.44 | 2.62 | 1.17 | 0.00 | 0.00 | 11.52 | 22.23 | 6.85 | 1.48 | 3.43 | 1.52 | 0.00 | 0.00 | 14.93 | 28.21 |
| | L35FI002 | 7.09 | 1.86 | 3.18 | 1.41 | 0.00 | 0.00 | 14.90 | 28.44 | 8.86 | 1.91 | 4.16 | 1.85 | 0.00 | 0.00 | 19.31 | 36.09 |
| | L35FI003 | 11.02 | 2.89 | 4.75 | 2.11 | 0.00 | 0.00 | 23.15 | 43.92 | 13.77 | 2.96 | 6.22 | 2.76 | 0.00 | 0.00 | 30.00 | 55.71 |
| | L35FI004 | 14.40 | 3.78 | 6.29 | 2.80 | 0.00 | 0.00 | 30.26 | 57.53 | 18.00 | 3.87 | 8.23 | 3.66 | 0.00 | 0.00 | 39.22 | 72.98 |
| | L35FI005 | 22.93 | 6.02 | 8.50 | 3.78 | 0.00 | 0.00 | 48.18 | 89.41 | 28.66 | 6.17 | 11.11 | 4.94 | 0.00 | 0.00 | 62.45 | 113.33 |
| | L35ID001 | 5.18 | 1.36 | 2.62 | 1.17 | 0.00 | 0.00 | 10.89 | 21.22 | 6.48 | 1.39 | 3.43 | 1.52 | 0.00 | 0.00 | 14.11 | 26.93 |
| | L35ID002 | 6.84 | 1.80 | 3.00 | 1.33 | 0.00 | 0.00 | 14.38 | 27.35 | 8.55 | 1.84 | 3.92 | 1.74 | 0.00 | 0.00 | 18.64 | 34.69 |
| | L35ID003 | 10.29 | 2.70 | 5.24 | 2.33 | 0.00 | 0.00 | 21.63 | 42.19 | 12.86 | 2.77 | 6.85 | 3.05 | 0.00 | 0.00 | 28.03 | 53.56 |
| | L35ID004 | 13.06 | 3.43 | 6.18 | 2.75 | 0.00 | 0.00 | 27.44 | 52.86 | 16.32 | 3.51 | 8.08 | 3.59 | 0.00 | 0.00 | 35.56 | 67.06 |
| | L35ID005 | 16.65 | 4.37 | 8.05 | 3.58 | 0.00 | 0.00 | 34.98 | 67.63 | 20.81 | 4.48 | 10.53 | 4.68 | 0.00 | 0.00 | 45.33 | 85.83 |
| | L35JD002 | 4.77 | 1.25 | 2.62 | 1.17 | 0.00 | 0.00 | 10.03 | 19.84 | 5.97 | 1.28 | 3.43 | 1.52 | 0.00 | 0.00 | 13.00 | 25.20 |
| | L35JD003 | 6.23 | 1.64 | 3.37 | 1.50 | 0.00 | 0.00 | 13.10 | 25.84 | 7.79 | 1.68 | 4.41 | 1.96 | 0.00 | 0.00 | 16.98 | 32.82 |
| | L35JD004 | 8.41 | 2.21 | 4.49 | 2.00 | 0.00 | 0.00 | 17.66 | 34.77 | 10.51 | 2.26 | 5.88 | 2.61 | 0.00 | 0.00 | 22.90 | 44.16 |
| | L35JD005 | 9.51 | 2.50 | 5.24 | 2.33 | 0.00 | 0.00 | 19.99 | 39.57 | 11.89 | 2.56 | 6.85 | 3.05 | 0.00 | 0.00 | 25.91 | 50.26 |
| | L35KM001 | 4.83 | 1.27 | 2.62 | 1.17 | 0.00 | 0.00 | 10.15 | 20.04 | 6.04 | 1.30 | 3.43 | 1.52 | 0.00 | 0.00 | 13.15 | 25.44 |
| | L35KM002 | 8.45 | 2.22 | 3.37 | 1.50 | 0.00 | 0.00 | 17.76 | 33.30 | 10.57 | 2.27 | 4.41 | 1.96 | 0.00 | 0.00 | 23.02 | 42.23 |
| | L35KM003 | 11.49 | 3.01 | 4.12 | 1.83 | 0.00 | 0.00 | 24.14 | 44.59 | 14.36 | 3.09 | 5.39 | 2.39 | 0.00 | 0.00 | 31.28 | 56.51 |
| | L35KM004 | 11.05 | 2.90 | 5.05 | 2.25 | 0.00 | 0.00 | 23.21 | 44.46 | 13.81 | 2.97 | 6.61 | 2.94 | 0.00 | 0.00 | 30.08 | 56.41 |
| | L35KM005 | 14.82 | 3.89 | 5.99 | 2.66 | 0.00 | 0.00 | 31.14 | 58.50 | 18.52 | 3.99 | 7.83 | 3.48 | 0.00 | 0.00 | 40.36 | 74.18 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | L35KM006 | 19.06 | 5.00 | 7.49 | 3.33 | 0.00 | 0.00 | 40.04 | 74.92 | 23.82 | 5.13 | 9.79 | 4.35 | 0.00 | 0.00 | 51.90 | 94.99 |
| L40 | | | | | | | | | | | | | | | | | |
| | L40CA001 | 5.40 | 1.63 | 2.25 | 1.10 | 0.97 | 0.17 | 6.24 | 17.76 | 6.75 | 1.66 | 2.93 | 1.44 | 1.85 | 0.32 | 8.35 | 23.30 |
| | L40CA002 | 6.26 | 1.87 | 2.94 | 1.44 | 0.97 | 0.17 | 7.22 | 20.87 | 7.82 | 1.92 | 3.84 | 1.88 | 1.85 | 0.32 | 9.67 | 27.30 |
| | L40CA003 | 7.36 | 2.22 | 3.80 | 1.87 | 1.32 | 0.23 | 8.50 | 25.30 | 9.20 | 2.27 | 4.96 | 2.44 | 2.52 | 0.44 | 11.38 | 33.21 |
| | L40CA004 | 9.02 | 2.78 | 4.67 | 2.29 | 2.52 | 0.44 | 10.48 | 32.20 | 11.28 | 2.84 | 6.09 | 2.99 | 4.80 | 0.84 | 14.03 | 42.87 |
| | L40CA005 | 11.48 | 3.55 | 5.53 | 2.72 | 3.32 | 0.58 | 13.35 | 40.53 | 14.35 | 3.62 | 7.22 | 3.55 | 6.35 | 1.11 | 17.87 | 54.07 |
| | L40CA006 | 16.43 | 5.17 | 7.46 | 3.67 | 6.16 | 1.08 | 19.20 | 59.17 | 20.54 | 5.29 | 9.75 | 4.79 | 11.75 | 2.06 | 25.71 | 79.89 |
| | L40CA007 | 20.60 | 6.29 | 9.33 | 3.28 | 8.65 | 1.52 | 21.03 | 70.70 | 24.72 | 6.41 | 12.18 | 4.28 | 16.52 | 2.90 | 27.04 | 94.05 |
| | L40CA008 | 29.54 | 9.14 | 12.96 | 4.55 | 10.35 | 1.82 | 30.23 | 98.59 | 35.45 | 9.31 | 16.92 | 5.94 | 19.76 | 3.47 | 38.85 | 129.70 |
| | L40CA009 | 60.11 | 18.93 | 23.85 | 8.37 | 25.30 | 4.44 | 61.68 | 202.68 | 72.14 | 19.29 | 31.13 | 10.93 | 48.30 | 8.48 | 79.29 | 269.56 |
| | L40CA010 | 5.73 | 1.72 | 2.59 | 1.27 | 0.97 | 0.17 | 7.09 | 19.54 | 7.17 | 1.76 | 3.38 | 1.66 | 1.85 | 0.32 | 9.45 | 25.59 |
| | L40CA011 | 6.92 | 2.07 | 3.28 | 1.61 | 1.07 | 0.19 | 8.55 | 23.69 | 8.65 | 2.12 | 4.29 | 2.11 | 2.04 | 0.36 | 11.40 | 30.97 |
| | L40CA012 | 7.81 | 2.33 | 3.80 | 1.87 | 1.07 | 0.19 | 9.64 | 26.71 | 9.77 | 2.38 | 4.96 | 2.44 | 2.04 | 0.36 | 12.85 | 34.80 |
| | L40CA013 | 6.30 | 1.89 | 2.94 | 1.44 | 0.97 | 0.17 | 7.78 | 21.49 | 7.87 | 1.93 | 3.84 | 1.88 | 1.85 | 0.32 | 10.37 | 28.06 |
| | L40CS001 | 3.64 | 1.12 | 2.38 | 1.17 | 0.97 | 0.17 | 4.23 | 13.68 | 4.56 | 1.14 | 3.11 | 1.53 | 1.85 | 0.32 | 5.67 | 18.18 |
| | L40CS006 | 6.09 | 1.91 | 4.01 | 1.97 | 2.19 | 0.38 | 7.11 | 23.66 | 7.61 | 1.95 | 5.23 | 2.57 | 4.19 | 0.74 | 9.52 | 31.81 |
| | L40CS007 | 7.58 | 2.34 | 4.84 | 2.38 | 2.19 | 0.38 | 8.82 | 28.53 | 9.48 | 2.39 | 6.32 | 3.10 | 4.19 | 0.74 | 11.81 | 38.03 |
| | L40CS008 | 9.52 | 2.91 | 5.88 | 2.89 | 2.30 | 0.40 | 11.04 | 34.94 | 11.90 | 2.97 | 7.67 | 3.77 | 4.39 | 0.77 | 14.78 | 46.25 |
| | L40FI001 | 5.19 | 1.56 | 2.45 | 1.21 | 0.97 | 0.17 | 5.99 | 17.54 | 6.48 | 1.60 | 3.20 | 1.57 | 1.85 | 0.32 | 8.02 | 23.04 |
| | L40FI002 | 5.88 | 1.77 | 3.11 | 1.53 | 1.07 | 0.19 | 6.79 | 20.34 | 7.35 | 1.81 | 4.06 | 2.00 | 2.04 | 0.36 | 9.09 | 26.71 |
| | L40FI003 | 6.86 | 2.07 | 3.80 | 1.87 | 1.32 | 0.23 | 7.93 | 24.08 | 8.57 | 2.12 | 4.96 | 2.44 | 2.52 | 0.44 | 10.62 | 31.67 |
| | L40FI004 | 8.06 | 2.42 | 4.32 | 2.12 | 1.32 | 0.23 | 9.30 | 27.77 | 10.08 | 2.47 | 5.64 | 2.77 | 2.52 | 0.44 | 12.46 | 36.38 |
| | L40FI005 | 9.12 | 2.79 | 4.84 | 2.38 | 2.30 | 0.40 | 10.58 | 32.41 | 11.40 | 2.85 | 6.32 | 3.10 | 4.39 | 0.77 | 14.17 | 43.00 |
| | L40FI006 | 10.98 | 3.41 | 6.39 | 3.14 | 3.49 | 0.61 | 12.78 | 40.80 | 13.72 | 3.49 | 8.35 | 4.10 | 6.66 | 1.17 | 17.12 | 54.61 |
| | L40FI007 | 14.63 | 4.55 | 7.95 | 2.79 | 7.63 | 1.34 | 14.98 | 53.87 | 17.56 | 4.64 | 10.38 | 3.64 | 14.56 | 2.56 | 19.26 | 72.60 |
| | L40FI008 | 24.30 | 7.37 | 12.10 | 4.25 | 9.31 | 1.63 | 24.78 | 83.74 | 29.16 | 7.51 | 15.79 | 5.54 | 17.78 | 3.12 | 31.86 | 110.76 |
| | L40FN001 | 2.06 | 0.63 | 1.80 | 0.88 | 0.51 | 0.09 | 2.39 | 8.36 | 2.58 | 0.65 | 2.35 | 1.15 | 0.96 | 0.17 | 3.20 | 11.06 |
| | L40FN002 | 2.25 | 0.69 | 1.80 | 0.88 | 0.51 | 0.09 | 2.60 | 8.82 | 2.81 | 0.70 | 2.35 | 1.15 | 0.96 | 0.17 | 3.49 | 11.63 |
| | L40FN003 | 2.41 | 0.73 | 2.14 | 1.05 | 0.51 | 0.09 | 2.79 | 9.72 | 3.01 | 0.75 | 2.80 | 1.37 | 0.96 | 0.17 | 3.74 | 12.80 |
| | L40FN004 | 2.74 | 0.84 | 2.25 | 1.10 | 0.60 | 0.11 | 3.18 | 10.82 | 3.43 | 0.85 | 2.93 | 1.44 | 1.14 | 0.20 | 4.25 | 14.24 |
| | L40FU001 | 5.46 | 1.67 | 2.76 | 1.36 | 1.32 | 0.23 | 6.33 | 19.13 | 6.83 | 1.70 | 3.61 | 1.77 | 2.52 | 0.44 | 8.48 | 25.35 |
| | L40FU002 | 6.49 | 1.96 | 3.53 | 1.73 | 1.32 | 0.23 | 7.50 | 22.76 | 8.11 | 2.01 | 4.60 | 2.26 | 2.52 | 0.44 | 10.05 | 29.99 |
| | L40FU003 | 8.23 | 2.53 | 4.84 | 2.38 | 2.19 | 0.38 | 9.55 | 30.10 | 10.28 | 2.58 | 6.32 | 3.10 | 4.19 | 0.74 | 12.79 | 40.00 |
| | L40FU004 | 9.79 | 2.98 | 5.53 | 2.72 | 2.19 | 0.38 | 11.34 | 34.93 | 12.24 | 3.04 | 7.22 | 3.55 | 4.19 | 0.74 | 15.19 | 46.17 |
| | L40FU005 | 14.11 | 4.35 | 7.50 | 3.69 | 4.01 | 0.70 | 16.40 | 50.76 | 17.63 | 4.45 | 9.79 | 4.81 | 7.65 | 1.34 | 21.95 | 67.62 |
| | L40ID005 | 14.08 | 4.33 | 7.08 | 3.48 | 3.82 | 0.67 | 16.35 | 49.81 | 17.60 | 4.42 | 9.25 | 4.55 | 7.30 | 1.28 | 21.89 | 66.29 |
| | L40ID007 | 27.92 | 8.60 | 14.34 | 5.03 | 9.32 | 1.64 | 28.54 | 95.39 | 33.50 | 8.76 | 18.72 | 6.57 | 17.80 | 3.12 | 36.69 | 125.16 |
| | L40ID008 | 51.52 | 15.56 | 20.39 | 7.16 | 13.20 | 2.32 | 52.51 | 162.66 | 61.83 | 15.85 | 26.62 | 9.34 | 25.19 | 4.42 | 67.50 | 210.75 |
| | L40ID009 | 117.54 | 35.49 | 38.02 | 13.34 | 30.15 | 5.29 | 119.79 | 359.62 | 141.05 | 36.16 | 49.63 | 17.42 | 57.56 | 10.10 | 153.98 | 465.90 |
| | L40ID010 | 4.99 | 1.51 | 3.21 | 1.58 | 1.02 | 0.18 | 5.78 | 18.27 | 6.24 | 1.55 | 4.20 | 2.06 | 1.94 | 0.34 | 7.73 | 24.06 |
| | L40ID011 | 6.27 | 1.91 | 3.97 | 1.95 | 1.41 | 0.25 | 7.26 | 23.02 | 7.84 | 1.95 | 5.19 | 2.55 | 2.70 | 0.47 | 9.73 | 30.43 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | L40ID012 | 7.38 | 2.23 | 4.98 | 2.45 | 1.39 | 0.24 | 8.53 | 27.20 | 9.22 | 2.27 | 6.50 | 3.19 | 2.65 | 0.47 | 11.42 | 35.72 |
| | L40ID013 | 10.78 | 3.29 | 5.70 | 2.80 | 2.52 | 0.44 | 12.49 | 38.02 | 13.47 | 3.36 | 7.44 | 3.66 | 4.80 | 0.84 | 16.72 | 50.29 |
| | L40ID014 | 20.04 | 6.24 | 10.89 | 3.82 | 7.51 | 1.32 | 20.52 | 70.34 | 24.05 | 6.36 | 14.21 | 4.99 | 14.34 | 2.52 | 26.38 | 92.85 |
| | L40JD001 | 4.52 | 1.37 | 2.59 | 1.27 | 0.97 | 0.17 | 5.24 | 16.13 | 5.65 | 1.40 | 3.38 | 1.66 | 1.85 | 0.32 | 7.01 | 21.27 |
| | L40JD002 | 5.22 | 1.58 | 3.28 | 1.61 | 1.07 | 0.19 | 6.04 | 18.99 | 6.53 | 1.62 | 4.29 | 2.11 | 2.04 | 0.36 | 8.09 | 25.04 |
| | L40JD003 | 6.15 | 1.85 | 3.97 | 1.95 | 1.07 | 0.19 | 7.10 | 22.28 | 7.69 | 1.89 | 5.19 | 2.55 | 2.04 | 0.36 | 9.51 | 29.23 |
| | L40JD004 | 9.61 | 2.91 | 5.53 | 2.72 | 1.98 | 0.35 | 11.11 | 34.21 | 12.01 | 2.97 | 7.22 | 3.55 | 3.77 | 0.66 | 14.88 | 45.06 |
| | L40KA001 | 7.73 | 2.32 | 4.15 | 2.04 | 1.32 | 0.23 | 8.92 | 26.71 | 9.66 | 2.37 | 5.41 | 2.66 | 2.52 | 0.44 | 11.94 | 35.00 |
| | L40KA002 | 9.19 | 2.81 | 5.46 | 2.68 | 2.19 | 0.38 | 10.65 | 33.36 | 11.49 | 2.87 | 7.13 | 3.50 | 4.19 | 0.74 | 14.27 | 44.19 |
| | L40KA003 | 12.13 | 3.66 | 5.70 | 2.80 | 2.30 | 0.40 | 14.02 | 41.01 | 15.17 | 3.74 | 7.44 | 3.66 | 4.39 | 0.77 | 18.78 | 53.95 |
| | L40KA004 | 14.08 | 4.19 | 7.81 | 2.74 | 4.01 | 0.70 | 14.32 | 47.85 | 16.90 | 4.27 | 10.20 | 3.58 | 7.65 | 1.34 | 18.41 | 62.35 |
| | L40KA005 | 18.41 | 5.61 | 10.71 | 3.76 | 7.63 | 1.34 | 18.79 | 66.25 | 22.09 | 5.72 | 13.99 | 4.91 | 14.56 | 2.56 | 24.15 | 87.98 |
| | L40KA006 | 31.83 | 9.65 | 14.17 | 4.97 | 8.63 | 1.51 | 32.46 | 103.22 | 38.20 | 9.83 | 18.50 | 6.49 | 16.47 | 2.89 | 41.72 | 134.10 |
| | L40MC001 | 4.79 | 1.46 | 2.56 | 1.26 | 0.85 | 0.15 | 5.55 | 16.62 | 5.99 | 1.49 | 3.34 | 1.64 | 1.57 | 0.28 | 7.43 | 21.74 |
| | L40MC002 | 7.08 | 2.12 | 2.90 | 1.43 | 0.85 | 0.15 | 8.16 | 22.69 | 8.84 | 2.16 | 3.79 | 1.86 | 1.57 | 0.28 | 10.92 | 29.42 |
| | L40MC003 | 8.39 | 2.51 | 3.80 | 1.87 | 1.05 | 0.18 | 9.68 | 27.48 | 10.49 | 2.57 | 4.96 | 2.44 | 1.93 | 0.34 | 12.96 | 35.69 |
| | L40MC004 | 11.15 | 3.37 | 5.01 | 2.46 | 1.75 | 0.31 | 12.90 | 36.95 | 13.94 | 3.45 | 6.54 | 3.21 | 3.22 | 0.57 | 17.27 | 48.20 |
| | L40MC005 | 13.02 | 4.00 | 6.57 | 3.23 | 2.79 | 0.49 | 15.11 | 45.21 | 16.27 | 4.09 | 8.57 | 4.21 | 5.12 | 0.90 | 20.23 | 59.39 |
| | L40MC006 | 17.00 | 5.15 | 7.02 | 3.45 | 2.79 | 0.49 | 19.66 | 55.56 | 21.25 | 5.26 | 9.16 | 4.50 | 5.12 | 0.90 | 26.33 | 72.52 |
| | L40MC007 | 17.53 | 5.37 | 8.71 | 3.06 | 6.10 | 1.07 | 17.90 | 59.74 | 21.03 | 5.47 | 11.37 | 3.99 | 11.19 | 1.96 | 23.02 | 78.03 |
| | L40MC008 | 20.01 | 6.24 | 10.02 | 3.52 | 6.12 | 1.07 | 20.50 | 67.48 | 24.01 | 6.36 | 13.08 | 4.59 | 11.22 | 1.97 | 26.35 | 87.58 |
| | L40MC009 | 29.01 | 8.82 | 12.44 | 4.37 | 6.59 | 1.16 | 29.60 | 91.99 | 34.82 | 8.99 | 16.24 | 5.70 | 12.08 | 2.12 | 38.05 | 118.00 |
| | L40MC010 | 31.44 | 9.67 | 14.41 | 5.06 | 8.28 | 1.45 | 32.14 | 102.45 | 37.73 | 9.86 | 18.82 | 6.60 | 15.18 | 2.66 | 41.31 | 132.16 |
| | L40MC011 | 53.18 | 16.98 | 22.46 | 7.88 | 20.24 | 3.55 | 54.69 | 178.98 | 63.81 | 17.30 | 29.33 | 10.29 | 37.11 | 6.51 | 70.30 | 234.65 |
| | L40MC012 | 55.31 | 17.58 | 23.47 | 8.24 | 20.24 | 3.55 | 56.84 | 185.23 | 66.37 | 17.91 | 30.64 | 10.75 | 37.11 | 6.51 | 73.06 | 242.35 |
| | L40MC013 | 22.14 | 6.67 | 8.71 | 3.06 | 6.10 | 1.07 | 24.16 | 71.91 | 26.57 | 6.79 | 11.37 | 3.99 | 11.19 | 1.96 | 30.92 | 92.79 |
| | L40ME001 | 0.72 | 0.15 | 1.76 | 0.66 | 0.12 | 0.02 | 0.84 | 4.27 | | | | | | | | |
| | L40ME002 | 1.12 | 0.23 | 0.56 | 0.28 | 0.12 | 0.02 | 1.30 | 3.63 | | | | | | | | |
| | L40ME003 | 1.47 | 0.30 | 0.82 | 0.40 | 0.10 | 0.02 | 1.70 | 4.81 | | | | | | | | |
| | L40ME004 | 1.49 | 0.30 | 3.53 | 1.32 | 0.11 | 0.02 | 1.72 | 8.49 | | | | | | | | |
| | L40ME006 | 1.85 | 0.37 | 3.75 | 1.40 | 0.11 | 0.02 | 2.14 | 9.64 | | | | | | | | |
| | L40ME007 | 1.79 | 0.36 | 1.35 | 0.66 | 0.11 | 0.02 | 2.07 | 6.36 | | | | | | | | |
| | L40ME008 | 2.65 | 0.54 | 2.02 | 0.99 | 0.29 | 0.05 | 3.06 | 9.60 | | | | | | | | |
| | L40ME009 | 3.11 | 0.64 | 2.58 | 1.27 | 0.39 | 0.07 | 3.61 | 11.67 | | | | | | | | |
| | L40ME012 | 2.07 | 0.41 | 1.50 | 0.74 | 0.11 | 0.02 | 2.39 | 7.24 | | | | | | | | |
| | L40ME013 | 5.93 | 1.22 | 3.52 | 1.73 | 0.96 | 0.17 | 6.88 | 20.41 | | | | | | | | |
| | L40MF001 | 2.17 | 0.65 | 1.66 | 0.82 | 0.36 | 0.06 | 2.51 | 8.23 | 2.72 | 0.67 | 2.17 | 1.06 | 0.68 | 0.12 | 3.36 | 10.78 |
| | L40MF002 | 2.43 | 0.74 | 2.35 | 1.15 | 0.45 | 0.08 | 2.81 | 10.01 | 3.04 | 0.75 | 3.07 | 1.51 | 0.85 | 0.15 | 3.76 | 13.13 |
| | L40MF003 | 2.45 | 0.75 | 2.56 | 1.26 | 0.51 | 0.09 | 2.84 | 10.46 | 3.06 | 0.76 | 3.34 | 1.64 | 0.96 | 0.17 | 3.80 | 13.73 |
| | L40MI001 | 2.46 | 0.75 | 0.90 | 0.44 | 0.54 | 0.09 | 2.85 | 8.03 | 3.08 | 0.76 | 1.17 | 0.58 | 1.04 | 0.18 | 3.82 | 10.63 |
| | L40MI002 | 3.62 | 1.11 | 1.73 | 0.85 | 0.97 | 0.17 | 4.20 | 12.65 | 4.52 | 1.14 | 2.26 | 1.11 | 1.85 | 0.32 | 5.63 | 16.83 |
| | L40MI003 | 3.94 | 1.20 | 1.90 | 0.93 | 0.97 | 0.17 | 4.57 | 13.68 | 4.92 | 1.23 | 2.48 | 1.22 | 1.85 | 0.32 | 6.12 | 18.14 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID.NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | L40TE003 | 19.34 | 5.88 | 10.89 | 3.82 | 7.63 | 1.34 | 19.73 | 68.63 | 23.21 | 5.99 | 14.21 | 4.99 | 14.56 | 2.56 | 25.36 | 90.88 |
| | L40TE004 | 23.55 | 7.32 | 13.41 | 4.71 | 8.63 | 1.51 | 24.11 | 83.24 | 28.26 | 7.45 | 17.51 | 6.14 | 16.47 | 2.89 | 31.00 | 109.72 |
| | L40TE005 | 28.39 | 8.82 | 15.90 | 5.58 | 10.35 | 1.82 | 29.06 | 99.92 | 34.07 | 8.98 | 20.76 | 7.29 | 19.76 | 3.47 | 37.36 | 131.69 |
| | L40TR001 | 5.36 | 1.64 | 3.21 | 1.58 | 1.32 | 0.23 | 6.21 | 19.55 | 6.69 | 1.67 | 4.20 | 2.06 | 2.52 | 0.44 | 8.31 | 25.89 |
| | L40TR002 | 5.65 | 1.72 | 3.80 | 1.87 | 1.32 | 0.23 | 6.55 | 21.14 | 7.07 | 1.76 | 4.96 | 2.44 | 2.52 | 0.44 | 8.77 | 27.96 |
| | L40TR003 | 6.53 | 1.98 | 4.18 | 2.05 | 1.32 | 0.23 | 7.55 | 23.84 | 8.16 | 2.02 | 5.46 | 2.68 | 2.52 | 0.44 | 10.11 | 31.39 |
| | L40TR005 | 10.26 | 3.21 | 6.39 | 3.14 | 3.49 | 0.61 | 11.97 | 39.07 | 12.83 | 3.28 | 8.35 | 4.10 | 6.66 | 1.17 | 16.02 | 52.41 |
| | L40TR006 | 14.79 | 4.36 | 7.98 | 2.80 | 3.49 | 0.61 | 15.02 | 49.05 | 17.75 | 4.45 | 10.42 | 3.66 | 6.66 | 1.17 | 19.31 | 63.42 |
| | L40TR007 | 19.85 | 6.02 | 10.06 | 3.53 | 7.63 | 1.34 | 20.24 | 68.67 | 23.82 | 6.13 | 13.13 | 4.61 | 14.56 | 2.56 | 26.02 | 90.83 |
| | L40TR008 | 24.50 | 7.67 | 13.89 | 4.88 | 9.71 | 1.70 | 25.11 | 87.46 | 29.40 | 7.81 | 18.14 | 6.37 | 18.54 | 3.25 | 32.28 | 115.79 |
| | L40TR009 | 9.04 | 2.76 | 5.36 | 2.63 | 2.19 | 0.38 | 10.48 | 32.84 | 11.30 | 2.82 | 6.99 | 3.44 | 4.19 | 0.74 | 14.03 | 43.51 |
| | L40TR010 | 11.44 | 3.54 | 6.29 | 3.09 | 3.49 | 0.61 | 13.31 | 41.77 | 14.30 | 3.62 | 8.21 | 4.04 | 6.66 | 1.17 | 17.82 | 55.82 |
| L45 | | | | | | | | | | | | | | | | | |
| | L45CA001 | 6.37 | 1.67 | 2.51 | 1.12 | 0.00 | 0.00 | 13.38 | 25.05 | 7.96 | 1.71 | 3.28 | 1.46 | 0.00 | 0.00 | 17.35 | 31.76 |
| L50 | | | | | | | | | | | | | | | | | |
| | L50CA001 | 4.08 | 1.21 | 2.14 | 0.80 | 0.43 | 0.08 | 5.36 | 14.10 | 5.09 | 1.24 | 2.80 | 1.05 | 0.61 | 0.11 | 7.12 | 18.02 |
| | L50CA002 | 4.62 | 1.37 | 2.42 | 0.91 | 0.44 | 0.08 | 6.08 | 15.92 | 5.78 | 1.40 | 3.16 | 1.18 | 0.62 | 0.11 | 8.07 | 20.32 |
| | L50CA003 | 4.84 | 1.44 | 2.66 | 1.00 | 0.53 | 0.09 | 6.36 | 16.92 | 6.04 | 1.47 | 3.47 | 1.30 | 0.74 | 0.13 | 8.45 | 21.60 |
| | L50CA004 | 6.92 | 2.06 | 3.28 | 1.23 | 0.61 | 0.11 | 9.10 | 23.31 | 8.65 | 2.10 | 4.29 | 1.60 | 0.84 | 0.15 | 12.09 | 29.72 |
| | L50CS002 | 3.73 | 1.12 | 2.18 | 0.82 | 0.50 | 0.09 | 4.92 | 13.36 | 4.66 | 1.14 | 2.84 | 1.06 | 0.70 | 0.12 | 6.53 | 17.05 |
| | L50FN002 | 3.14 | 0.93 | 1.90 | 0.71 | 0.31 | 0.05 | 4.12 | 11.16 | 3.92 | 0.95 | 2.48 | 0.93 | 0.43 | 0.08 | 5.48 | 14.27 |
| | L50FN004 | 4.62 | 1.37 | 2.25 | 0.84 | 0.41 | 0.07 | 6.07 | 15.63 | 5.78 | 1.40 | 2.93 | 1.10 | 0.58 | 0.10 | 8.07 | 19.96 |
| | L50FN005 | 5.15 | 1.53 | 2.59 | 0.97 | 0.52 | 0.09 | 6.78 | 17.63 | 6.44 | 1.57 | 3.38 | 1.27 | 0.73 | 0.13 | 9.00 | 22.52 |
| | L50FN006 | 6.02 | 1.78 | 3.46 | 1.29 | 0.53 | 0.09 | 7.91 | 21.08 | 7.52 | 1.82 | 4.51 | 1.69 | 0.74 | 0.13 | 10.50 | 26.91 |
| | L50JD001 | 3.27 | 0.98 | 2.25 | 0.84 | 0.41 | 0.07 | 4.31 | 12.13 | 4.09 | 1.00 | 2.93 | 1.10 | 0.57 | 0.10 | 5.72 | 15.51 |
| | L50JD002 | 3.93 | 1.18 | 2.59 | 0.97 | 0.50 | 0.09 | 5.18 | 14.44 | 4.92 | 1.21 | 3.38 | 1.27 | 0.71 | 0.12 | 6.88 | 18.49 |
| | L50JD003 | 4.62 | 1.38 | 2.94 | 1.10 | 0.57 | 0.10 | 6.09 | 16.80 | 5.78 | 1.41 | 3.84 | 1.44 | 0.80 | 0.14 | 8.09 | 21.50 |
| | L50JD005 | 6.79 | 2.05 | 3.46 | 1.29 | 0.98 | 0.17 | 8.96 | 23.70 | 8.49 | 2.09 | 4.51 | 1.69 | 1.38 | 0.24 | 11.90 | 30.30 |
| | L50MF003 | 3.42 | 1.03 | 2.56 | 0.96 | 0.53 | 0.09 | 4.52 | 13.11 | 4.28 | 1.06 | 3.34 | 1.25 | 0.74 | 0.13 | 6.00 | 16.80 |
| | L50MF004 | 3.80 | 1.14 | 2.70 | 1.01 | 0.53 | 0.09 | 5.01 | 14.28 | 4.74 | 1.17 | 3.52 | 1.32 | 0.74 | 0.13 | 6.65 | 18.27 |
| | L50MF005 | 4.04 | 1.21 | 2.97 | 1.11 | 0.53 | 0.09 | 5.32 | 15.27 | 5.05 | 1.24 | 3.88 | 1.45 | 0.74 | 0.13 | 7.07 | 19.56 |
| L55 | | | | | | | | | | | | | | | | | |
| | L55KN001 | 0.81 | 0.14 | 0.00 | 0.52 | 0.00 | 0.00 | 1.25 | 2.72 | | | | | | | | |
| | L55KN002 | 1.65 | 0.28 | 0.00 | 1.06 | 0.00 | 0.00 | 2.57 | 5.56 | | | | | | | | |
| | L55KN003 | 3.40 | 0.57 | 0.00 | 2.01 | 0.00 | 0.00 | 5.27 | 11.25 | | | | | | | | |
| | L55KN004 | 0.69 | 0.12 | 0.00 | 0.25 | 0.00 | 0.00 | 1.08 | 2.14 | | | | | | | | |
| | L55KN005 | 1.37 | 0.23 | 0.00 | 0.37 | 0.00 | 0.00 | 2.13 | 4.10 | | | | | | | | |
| L60 | | | | | | | | | | | | | | | | | |
| | L60CA001 | 6.41 | 1.64 | 3.28 | 1.08 | 1.78 | 0.31 | 7.41 | 21.91 | 8.01 | 1.69 | 4.29 | 1.40 | 3.72 | 0.65 | 9.83 | 29.59 |
| | L60CA002 | 7.54 | 1.91 | 3.28 | 1.08 | 1.78 | 0.31 | 8.70 | 24.60 | 9.42 | 1.96 | 4.29 | 1.40 | 3.72 | 0.65 | 11.54 | 32.98 |
| | L60CA003 | 7.55 | 1.91 | 4.15 | 1.36 | 1.78 | 0.31 | 8.71 | 25.77 | 9.43 | 1.97 | 5.41 | 1.77 | 3.72 | 0.65 | 11.55 | 34.50 |
| | L60CA004 | 7.83 | 1.98 | 4.49 | 1.47 | 1.78 | 0.31 | 9.03 | 26.89 | 9.79 | 2.04 | 5.87 | 1.92 | 3.72 | 0.65 | 11.99 | 35.98 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | L60CA005 | 10.58 | 2.80 | 6.05 | 1.98 | 4.55 | 0.80 | 12.29 | 39.05 | 13.22 | 2.88 | 7.90 | 2.59 | 9.53 | 1.67 | 16.32 | 54.11 |
| | L60CA006 | 10.33 | 2.64 | 4.49 | 1.47 | 2.84 | 0.50 | 11.93 | 34.20 | 12.91 | 2.71 | 5.87 | 1.92 | 5.94 | 1.04 | 15.84 | 46.23 |
| | L60CA007 | 25.07 | 6.00 | 4.67 | 1.53 | 0.00 | 0.00 | 28.67 | 65.94 | 31.34 | 6.16 | 6.09 | 2.00 | 0.00 | 0.00 | 38.05 | 83.64 |
| | L60JD001 | 6.55 | 1.62 | 3.46 | 1.13 | 0.82 | 0.14 | 7.53 | 21.25 | 8.19 | 1.66 | 4.51 | 1.48 | 1.72 | 0.30 | 9.99 | 27.85 |
| | L60JD002 | 6.87 | 1.81 | 4.15 | 1.36 | 2.77 | 0.49 | 7.98 | 25.43 | 8.59 | 1.86 | 5.41 | 1.77 | 5.80 | 1.02 | 10.59 | 35.04 |
| | L60JD003 | 7.29 | 1.79 | 3.46 | 1.13 | 0.82 | 0.14 | 8.37 | 23.00 | 9.11 | 1.84 | 4.51 | 1.48 | 1.72 | 0.30 | 11.11 | 30.07 |
| | L60JD004 | 7.87 | 2.05 | 4.15 | 1.36 | 2.77 | 0.49 | 9.12 | 27.81 | 9.84 | 2.11 | 5.41 | 1.77 | 5.80 | 1.02 | 12.11 | 38.06 |
| | L60JD005 | 10.11 | 2.92 | 5.46 | 1.79 | 8.26 | 1.45 | 11.92 | 41.91 | 12.64 | 3.00 | 7.13 | 2.34 | 17.30 | 3.04 | 15.82 | 61.27 |
| | L60JD006 | 9.16 | 2.36 | 5.01 | 1.64 | 2.77 | 0.49 | 10.60 | 32.03 | 11.45 | 2.42 | 6.54 | 2.14 | 5.80 | 1.02 | 14.06 | 43.43 |
| | L60RN001 | 6.86 | 1.69 | 3.59 | 1.18 | 0.66 | 0.12 | 7.87 | 21.97 | 8.57 | 1.74 | 4.69 | 1.54 | 1.34 | 0.24 | 10.45 | 28.57 |
| | L60RN002 | 7.48 | 1.96 | 4.56 | 1.49 | 2.22 | 0.39 | 8.68 | 26.78 | 9.35 | 2.01 | 5.96 | 1.95 | 4.50 | 0.79 | 11.51 | 36.07 |
| | L60RN003 | 8.70 | 2.25 | 5.50 | 1.80 | 2.22 | 0.39 | 10.07 | 30.93 | 10.88 | 2.31 | 7.17 | 2.35 | 4.50 | 0.79 | 13.37 | 41.37 |
| | L60RN004 | 10.06 | 3.02 | 7.50 | 2.46 | 8.11 | 1.42 | 11.94 | 44.51 | 12.57 | 3.10 | 9.79 | 3.21 | 16.47 | 2.89 | 15.84 | 63.87 |
| M10 | | | | | | | | | | | | | | | | | |
| | M10AQ001 | 13.83 | 3.33 | 5.63 | 1.85 | 0.19 | 0.03 | 14.28 | 39.14 | | | | | | | | |
| | M10AQ002 | 11.85 | 2.86 | 5.63 | 1.85 | 0.19 | 0.03 | 12.25 | 34.66 | | | | | | | | |
| | M10AQ003 | 9.83 | 2.37 | 3.63 | 1.19 | 0.19 | 0.03 | 10.15 | 27.39 | | | | | | | | |
| | M10AQ006 | 1.19 | 0.45 | 0.00 | 0.00 | 2.58 | 0.45 | 1.40 | 6.07 | | | | | | | | |
| | M10AQ007 | 4.11 | 0.69 | 0.00 | 0.00 | 0.00 | 0.00 | 3.86 | 8.66 | | | | | | | | |
| | M10AQ010 | 3.79 | 0.64 | 0.00 | 0.00 | 0.00 | 0.00 | 3.56 | 7.99 | | | | | | | | |
| | M10AQ011 | 3.40 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 3.20 | 7.17 | | | | | | | | |
| | M10AQ012 | 1.13 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 1.06 | 2.38 | | | | | | | | |
| | M10AQ013 | 1.02 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 2.15 | | | | | | | | |
| | M10AQ014 | 0.53 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 1.12 | | | | | | | | |
| | M10AQ015 | 0.58 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 1.23 | | | | | | | | |
| | M10AQ016 | 0.80 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.75 | 1.68 | | | | | | | | |
| | M10AQ017 | 0.36 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.76 | | | | | | | | |
| | M10AQ018 | 0.57 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 1.19 | | | | | | | | |
| | M10AQ019 | 0.62 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 1.30 | | | | | | | | |
| | M10AQ020 | 0.72 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.68 | 1.52 | | | | | | | | |
| | M10CP001 | 8.49 | 2.03 | 6.05 | 1.98 | 0.00 | 0.00 | 8.76 | 27.31 | | | | | | | | |
| | M10CP002 | 8.32 | 2.14 | 7.34 | 2.41 | 0.00 | 0.00 | 9.26 | 29.47 | | | | | | | | |
| | M10CP003 | 8.81 | 2.27 | 7.34 | 2.41 | 0.00 | 0.00 | 9.81 | 30.64 | | | | | | | | |
| | M10CP004 | 5.03 | 0.91 | 2.56 | 1.35 | 0.00 | 0.00 | 4.90 | 14.75 | | | | | | | | |
| | M10CP005 | 4.71 | 0.85 | 1.60 | 0.84 | 0.00 | 0.00 | 4.59 | 12.59 | | | | | | | | |
| | M10CP006 | 0.14 | 0.02 | 0.00 | 0.30 | 0.00 | 0.00 | 0.13 | 0.59 | | | | | | | | |
| | M10CP007 | 0.27 | 0.05 | 0.00 | 0.40 | 0.00 | 0.00 | 0.27 | 0.99 | | | | | | | | |
| | M10CP008 | 0.47 | 0.08 | 0.00 | 0.50 | 0.00 | 0.00 | 0.46 | 1.51 | | | | | | | | |
| | M10CP009 | 0.71 | 0.13 | 0.00 | 0.60 | 0.00 | 0.00 | 0.69 | 2.13 | | | | | | | | |
| | M10CP010 | 0.09 | 0.01 | 0.00 | 0.20 | 0.00 | 0.00 | 0.08 | 0.38 | | | | | | | | |
| | M10CP011 | 0.11 | 0.02 | 0.00 | 0.25 | 0.00 | 0.00 | 0.10 | 0.48 | | | | | | | | |
| | M10CP012 | 0.14 | 0.02 | 0.00 | 0.30 | 0.00 | 0.00 | 0.12 | 0.58 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | M10CP013 | 0.16 | 0.02 | 0.00 | 0.30 | 0.00 | 0.00 | 0.14 | 0.62 | | | | | | | | |
| | M10CP014 | 0.06 | 0.01 | 0.00 | 0.15 | 0.00 | 0.00 | 0.05 | 0.27 | | | | | | | | |
| | M10CP015 | 0.08 | 0.01 | 0.00 | 0.20 | 0.00 | 0.00 | 0.07 | 0.36 | | | | | | | | |
| | M10CP016 | 0.11 | 0.02 | 0.00 | 0.25 | 0.00 | 0.00 | 0.10 | 0.48 | | | | | | | | |
| | M10CP017 | 0.13 | 0.02 | 0.00 | 0.30 | 0.00 | 0.00 | 0.12 | 0.57 | | | | | | | | |
| | M10CP018 | 0.08 | 0.01 | 0.00 | 0.20 | 0.00 | 0.00 | 0.07 | 0.36 | | | | | | | | |
| | M10CP019 | 0.10 | 0.02 | 0.00 | 0.20 | 0.00 | 0.00 | 0.09 | 0.41 | | | | | | | | |
| | M10CP020 | 0.13 | 0.02 | 0.00 | 0.25 | 0.00 | 0.00 | 0.11 | 0.51 | | | | | | | | |
| | M10CP021 | 0.15 | 0.02 | 0.00 | 0.30 | 0.00 | 0.00 | 0.13 | 0.60 | | | | | | | | |
| | M10DD001 | 38.00 | 9.77 | 18.36 | 6.01 | 0.00 | 0.00 | 42.30 | 114.44 | | | | | | | | |
| | M10DD002 | 54.74 | 14.08 | 32.00 | 16.85 | 0.00 | 0.00 | 60.95 | 178.62 | | | | | | | | |
| | M10DS001 | 12.11 | 2.90 | 7.34 | 2.41 | 0.00 | 0.00 | 12.50 | 37.26 | | | | | | | | |
| | M10DS002 | 12.76 | 3.05 | 11.02 | 3.61 | 0.00 | 0.00 | 13.16 | 43.60 | | | | | | | | |
| | M10DS003 | 17.29 | 4.13 | 10.80 | 3.54 | 0.00 | 0.00 | 17.84 | 53.60 | | | | | | | | |
| | M10DS004 | 16.83 | 4.33 | 17.37 | 5.69 | 0.00 | 0.00 | 18.74 | 62.96 | | | | | | | | |
| | M10DS005 | 20.61 | 5.30 | 15.94 | 5.22 | 0.00 | 0.00 | 22.94 | 70.01 | | | | | | | | |
| | M10DS006 | 22.55 | 5.80 | 26.96 | 8.83 | 0.00 | 0.00 | 25.11 | 89.25 | | | | | | | | |
| | M10DS007 | 24.29 | 6.25 | 26.96 | 8.83 | 0.00 | 0.00 | 27.04 | 93.37 | | | | | | | | |
| | M10EL004 | 14.05 | 3.36 | 6.96 | 2.28 | 0.00 | 0.00 | 16.56 | 43.21 | | | | | | | | |
| | M10EL005 | 17.25 | 4.13 | 7.56 | 2.48 | 0.00 | 0.00 | 20.34 | 51.76 | | | | | | | | |
| | M10EL006 | 20.43 | 4.89 | 7.56 | 2.48 | 0.00 | 0.00 | 24.09 | 59.45 | | | | | | | | |
| | M10EL007 | 15.76 | 3.77 | 9.85 | 3.23 | 0.00 | 0.00 | 18.58 | 51.19 | | | | | | | | |
| | M10EL008 | 19.71 | 4.71 | 9.85 | 3.23 | 0.00 | 0.00 | 23.24 | 60.74 | | | | | | | | |
| | M10EL009 | 8.79 | 3.97 | 0.00 | 0.00 | 0.00 | 0.00 | 11.66 | 24.42 | | | | | | | | |
| | M10EL010 | 14.84 | 6.71 | 0.00 | 0.00 | 0.00 | 0.00 | 19.70 | 41.25 | | | | | | | | |
| | M10EL011 | 16.10 | 7.28 | 0.00 | 0.00 | 0.00 | 0.00 | 21.36 | 44.74 | | | | | | | | |
| | M10EL012 | 32.50 | 14.70 | 0.00 | 0.00 | 0.00 | 0.00 | 43.12 | 90.32 | | | | | | | | |
| | M10HH001 | 8.53 | 2.04 | 6.48 | 2.12 | 0.00 | 0.00 | 10.05 | 29.22 | | | | | | | | |
| | M10HH002 | 8.63 | 2.06 | 6.48 | 2.12 | 0.00 | 0.00 | 10.17 | 29.46 | | | | | | | | |
| | M10HH003 | 9.09 | 2.17 | 7.65 | 2.50 | 0.00 | 0.00 | 10.72 | 32.13 | | | | | | | | |
| | M10HH004 | 9.19 | 2.20 | 7.65 | 2.50 | 0.00 | 0.00 | 10.84 | 32.38 | | | | | | | | |
| | M10HH005 | 9.35 | 2.24 | 7.65 | 2.50 | 0.00 | 0.00 | 11.02 | 32.76 | | | | | | | | |
| | M10HH006 | 5.36 | 1.28 | 4.32 | 1.42 | 0.00 | 0.00 | 6.32 | 18.70 | | | | | | | | |
| | M10KK001 | 9.34 | 2.23 | 22.22 | 8.32 | 0.00 | 0.00 | 9.64 | 51.75 | | | | | | | | |
| | M10KK002 | 9.70 | 2.32 | 10.80 | 3.54 | 0.00 | 0.00 | 10.01 | 36.37 | | | | | | | | |
| | M10KK003 | 10.15 | 2.43 | 22.22 | 8.32 | 0.00 | 0.00 | 10.48 | 53.60 | | | | | | | | |
| | M10KK004 | 10.59 | 2.53 | 10.80 | 3.54 | 0.00 | 0.00 | 10.93 | 38.39 | | | | | | | | |
| | M10KR001 | 17.10 | 4.82 | 4.32 | 1.92 | 0.00 | 0.00 | 22.61 | 50.77 | 20.52 | 4.91 | 5.64 | 2.51 | 0.00 | 0.00 | 30.13 | 63.71 |
| | M10KR002 | 18.32 | 5.16 | 5.18 | 2.30 | 0.00 | 0.00 | 24.22 | 55.18 | 21.98 | 5.26 | 6.77 | 3.01 | 0.00 | 0.00 | 32.27 | 69.29 |
| | M10KR003 | 17.38 | 4.89 | 4.32 | 1.92 | 0.00 | 0.00 | 22.98 | 51.49 | 20.85 | 4.99 | 5.64 | 2.51 | 0.00 | 0.00 | 30.62 | 64.61 |
| | M10KR004 | 21.55 | 6.07 | 6.39 | 2.84 | 0.00 | 0.00 | 28.49 | 65.34 | 25.86 | 6.18 | 8.35 | 3.71 | 0.00 | 0.00 | 37.97 | 82.07 |
| | M10KR005 | 14.55 | 4.10 | 6.39 | 2.84 | 0.00 | 0.00 | 19.24 | 47.12 | 17.46 | 4.18 | 8.35 | 3.71 | 0.00 | 0.00 | 25.64 | 59.34 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | M10KR006 | 13.86 | 3.90 | 6.39 | 2.84 | 0.00 | 0.00 | 18.32 | 45.31 | 16.63 | 3.98 | 8.35 | 3.71 | 0.00 | 0.00 | 24.41 | 57.08 |
| | M10MZ001 | 0.60 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 1.09 | | | | | | | | |
| | M10MZ002 | 0.79 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | 1.45 | | | | | | | | |
| | M10MZ003 | 1.20 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.84 | 2.21 | | | | | | | | |
| | M10MZ004 | 1.14 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 2.35 | | | | | | | | |
| | M10MZ005 | 1.69 | 0.37 | 0.00 | 0.00 | 0.00 | 0.00 | 1.41 | 3.47 | | | | | | | | |
| | M10MZ006 | 1.92 | 0.42 | 0.00 | 0.00 | 0.00 | 0.00 | 1.61 | 3.95 | | | | | | | | |
| | M10MZ007 | 2.32 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 4.77 | | | | | | | | |
| | M10MZ008 | 2.63 | 0.57 | 0.00 | 0.00 | 0.00 | 0.00 | 2.19 | 5.39 | | | | | | | | |
| | M10MZ009 | 3.19 | 0.70 | 0.00 | 0.00 | 0.00 | 0.00 | 2.67 | 6.56 | | | | | | | | |
| | M10MZ010 | 1.57 | 0.44 | 4.84 | 2.15 | 0.00 | 0.00 | 1.62 | 10.62 | 1.89 | 0.45 | 6.32 | 2.81 | 0.00 | 0.00 | 2.09 | 13.56 |
| | M10MZ011 | 2.53 | 0.71 | 7.26 | 3.23 | 0.00 | 0.00 | 2.61 | 16.34 | 3.03 | 0.73 | 9.48 | 4.21 | 0.00 | 0.00 | 3.35 | 20.80 |
| | M10MZ012 | 3.25 | 0.91 | 7.26 | 3.23 | 0.00 | 0.00 | 3.35 | 18.00 | 3.89 | 0.93 | 9.48 | 4.21 | 0.00 | 0.00 | 4.31 | 22.82 |
| | M10MZ013 | 4.27 | 1.20 | 7.26 | 3.23 | 0.00 | 0.00 | 4.40 | 20.36 | 5.12 | 1.22 | 9.48 | 4.21 | 0.00 | 0.00 | 5.66 | 25.69 |
| | M10SM001 | 1.54 | 0.43 | 15.38 | 5.76 | 0.00 | 0.00 | 1.59 | 24.70 | 1.85 | 0.44 | 20.20 | 7.56 | 0.00 | 0.00 | 2.05 | 32.10 |
| | M10SM002 | 1.63 | 0.46 | 18.96 | 7.10 | 0.00 | 0.00 | 1.68 | 29.83 | 1.95 | 0.47 | 24.91 | 9.33 | 0.00 | 0.00 | 2.16 | 38.82 |
| | M10SM003 | 1.72 | 0.48 | 19.99 | 7.48 | 0.00 | 0.00 | 1.77 | 31.44 | 2.06 | 0.49 | 26.25 | 9.83 | 0.00 | 0.00 | 2.28 | 40.91 |
| | M10SM004 | 1.80 | 0.51 | 19.99 | 7.48 | 0.00 | 0.00 | 1.86 | 31.64 | 2.16 | 0.52 | 26.25 | 9.83 | 0.00 | 0.00 | 2.39 | 41.15 |
| | M10SM005 | 0.79 | 0.22 | 10.25 | 3.84 | 0.00 | 0.00 | 0.81 | 15.91 | 0.94 | 0.23 | 13.46 | 5.04 | 0.00 | 0.00 | 1.04 | 20.71 |
| | M10SM006 | 0.83 | 0.23 | 11.79 | 4.41 | 0.00 | 0.00 | 0.85 | 18.11 | 0.99 | 0.24 | 15.48 | 5.80 | 0.00 | 0.00 | 1.10 | 23.61 |
| | M10SM007 | 1.27 | 0.36 | 15.38 | 5.76 | 0.00 | 0.00 | 1.31 | 24.08 | 1.53 | 0.37 | 20.20 | 7.56 | 0.00 | 0.00 | 1.69 | 31.35 |
| | M10SM008 | 1.33 | 0.38 | 18.96 | 7.10 | 0.00 | 0.00 | 1.37 | 29.14 | 1.60 | 0.38 | 24.91 | 9.33 | 0.00 | 0.00 | 1.77 | 37.99 |
| | M10SM009 | 1.44 | 0.40 | 19.99 | 7.48 | 0.00 | 0.00 | 1.48 | 30.79 | 1.72 | 0.41 | 26.25 | 9.83 | 0.00 | 0.00 | 1.91 | 40.12 |
| | M10SM010 | 1.54 | 0.43 | 19.99 | 7.48 | 0.00 | 0.00 | 1.59 | 31.03 | 1.85 | 0.44 | 26.25 | 9.83 | 0.00 | 0.00 | 2.04 | 40.41 |
| | M10SM011 | 2.28 | 0.64 | 20.50 | 7.68 | 0.00 | 0.00 | 2.68 | 33.78 | 2.73 | 0.65 | 26.93 | 10.08 | 0.00 | 0.00 | 3.42 | 43.81 |
| | M10SM012 | 2.76 | 0.78 | 25.63 | 9.59 | 0.00 | 0.00 | 3.26 | 42.02 | 3.32 | 0.79 | 33.66 | 12.60 | 0.00 | 0.00 | 4.16 | 54.53 |
| | M10SM013 | 3.09 | 0.87 | 25.63 | 9.59 | 0.00 | 0.00 | 3.64 | 42.82 | 3.71 | 0.89 | 33.66 | 12.60 | 0.00 | 0.00 | 4.65 | 55.51 |
| | M10SM014 | 2.78 | 0.90 | 30.75 | 11.51 | 0.00 | 0.00 | 3.28 | 49.22 | 3.25 | 0.91 | 40.39 | 15.12 | 0.00 | 0.00 | 4.07 | 63.74 |
| | M10SM015 | 4.37 | 1.42 | 41.00 | 15.35 | 0.00 | 0.00 | 5.15 | 67.29 | 5.10 | 1.44 | 53.86 | 20.16 | 0.00 | 0.00 | 6.39 | 86.95 |
| | M10SM016 | 3.24 | 0.91 | 20.50 | 7.68 | 0.00 | 0.00 | 3.82 | 36.15 | 3.89 | 0.93 | 26.93 | 10.08 | 0.00 | 0.00 | 4.87 | 46.70 |
| P10 | | | | | | | | | | | | | | | | | |
| | P10IC001 | 8.86 | 1.97 | 5.36 | 2.01 | 0.00 | 0.00 | 13.27 | 31.47 | | | | | | | | |
| | P10IC002 | 14.38 | 3.20 | 8.64 | 3.23 | 0.00 | 0.00 | 21.53 | 50.98 | | | | | | | | |
| | P10IC003 | 16.27 | 3.62 | 8.64 | 3.23 | 0.00 | 0.00 | 24.35 | 56.11 | | | | | | | | |
| | P10IC004 | 22.91 | 5.09 | 17.38 | 6.51 | 0.00 | 0.00 | 34.30 | 86.19 | | | | | | | | |
| | P10IC005 | 37.02 | 8.23 | 22.46 | 8.41 | 0.00 | 0.00 | 55.41 | 131.53 | | | | | | | | |
| | P10XX001 | 1.46 | 0.33 | 0.00 | 1.00 | 0.00 | 0.00 | 2.19 | 4.98 | | | | | | | | |
| | P10XX002 | 1.80 | 0.40 | 0.00 | 2.00 | 0.00 | 0.00 | 2.69 | 6.89 | | | | | | | | |
| | P10XX003 | 2.99 | 0.66 | 0.00 | 3.00 | 0.00 | 0.00 | 4.48 | 11.13 | | | | | | | | |
| P20 | | | | | | | | | | | | | | | | | |
| | P20IC001 | 4.80 | 1.07 | 0.79 | 0.30 | 0.00 | 0.00 | 9.88 | 16.84 | | | | | | | | |
| | P20IC002 | 7.67 | 1.70 | 1.73 | 0.65 | 0.00 | 0.00 | 15.79 | 27.54 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID.NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | P20IC003 | 8.39 | 1.86 | 2.63 | 0.98 | 0.00 | 0.00 | 17.27 | 31.13 | | | | | | | | |
| | P20IC004 | 8.87 | 1.97 | 3.11 | 1.16 | 0.00 | 0.00 | 18.26 | 33.37 | | | | | | | | |
| | P20IC005 | 12.35 | 2.74 | 4.60 | 1.72 | 0.00 | 0.00 | 25.42 | 46.83 | | | | | | | | |
| | P20IC006 | 13.78 | 3.06 | 4.70 | 1.76 | 0.00 | 0.00 | 28.37 | 51.67 | | | | | | | | |
| | P20MK001 | 5.52 | 1.23 | 0.00 | 0.32 | 0.00 | 0.00 | 11.36 | 18.43 | | | | | | | | |
| | P20MK002 | 1.70 | 0.38 | 0.00 | 0.25 | 0.00 | 0.00 | 3.50 | 5.83 | | | | | | | | |
| | P20MK003 | 2.17 | 0.48 | 0.00 | 0.34 | 0.00 | 0.00 | 4.46 | 7.45 | | | | | | | | |
| | P20MK004 | 2.70 | 0.60 | 0.00 | 0.45 | 0.00 | 0.00 | 5.56 | 9.31 | | | | | | | | |
| | P20MK005 | 4.79 | 1.06 | 0.00 | 0.51 | 0.00 | 0.00 | 9.86 | 16.22 | | | | | | | | |
| | P20MK006 | 5.03 | 1.12 | 0.00 | 0.66 | 0.00 | 0.00 | 10.35 | 17.16 | | | | | | | | |
| | P20MK007 | 5.80 | 1.29 | 0.00 | 0.66 | 0.00 | 0.00 | 11.93 | 19.68 | | | | | | | | |
| | P20VU001 | 6.26 | 1.39 | 0.00 | 0.68 | 0.00 | 0.00 | 12.89 | 21.22 | | | | | | | | |
| | P20VU002 | 7.13 | 1.59 | 0.00 | 0.80 | 0.00 | 0.00 | 14.68 | 24.20 | | | | | | | | |
| | P20VU003 | 7.69 | 1.71 | 0.00 | 0.95 | 0.00 | 0.00 | 15.84 | 26.19 | | | | | | | | |
| | P20VU004 | 9.44 | 2.10 | 0.00 | 1.12 | 0.00 | 0.00 | 19.43 | 32.09 | | | | | | | | |
| | P20VU005 | 11.60 | 2.58 | 0.00 | 1.17 | 0.00 | 0.00 | 23.88 | 39.23 | | | | | | | | |
| | P20VU006 | 16.68 | 3.71 | 0.00 | 1.39 | 0.00 | 0.00 | 34.34 | 56.12 | | | | | | | | |
| P25 | | | | | | | | | | | | | | | | | |
| | P25MK001 | 6.10 | 1.36 | 0.00 | 0.32 | 0.00 | 0.00 | 11.43 | 19.21 | | | | | | | | |
| | P25MK002 | 7.03 | 1.56 | 0.00 | 0.51 | 0.00 | 0.00 | 13.17 | 22.27 | | | | | | | | |
| | P25MK003 | 9.66 | 2.15 | 0.00 | 0.61 | 0.00 | 0.00 | 18.08 | 30.50 | | | | | | | | |
| | P25VU001 | 4.61 | 1.02 | 0.00 | 0.45 | 0.00 | 0.00 | 8.63 | 14.71 | | | | | | | | |
| | P25VU002 | 5.46 | 1.21 | 0.00 | 0.51 | 0.00 | 0.00 | 10.22 | 17.40 | | | | | | | | |
| | P25VU003 | 6.65 | 1.48 | 0.00 | 0.61 | 0.00 | 0.00 | 12.45 | 21.19 | | | | | | | | |
| | P25VU004 | 7.05 | 1.57 | 0.00 | 0.75 | 0.00 | 0.00 | 13.19 | 22.56 | | | | | | | | |
| | P25VU005 | 7.94 | 1.76 | 0.00 | 0.65 | 0.00 | 0.00 | 14.87 | 25.22 | | | | | | | | |
| | P25VU006 | 9.62 | 2.14 | 0.00 | 0.95 | 0.00 | 0.00 | 18.00 | 30.71 | | | | | | | | |
| | P25VU007 | 10.82 | 2.41 | 0.00 | 0.95 | 0.00 | 0.00 | 20.26 | 34.44 | | | | | | | | |
| | P25VU008 | 15.23 | 3.39 | 0.00 | 1.17 | 0.00 | 0.00 | 28.52 | 48.31 | | | | | | | | |
| | P25VU009 | 17.49 | 3.89 | 0.00 | 1.28 | 0.00 | 0.00 | 32.75 | 55.41 | | | | | | | | |
| P30 | | | | | | | | | | | | | | | | | |
| | P30HM001 | 7.59 | 1.69 | 2.59 | 0.97 | 0.00 | 0.00 | 14.22 | 27.06 | | | | | | | | |
| | P30MK001 | 8.99 | 2.00 | 3.91 | 1.46 | 0.00 | 0.00 | 16.83 | 33.19 | | | | | | | | |
| | P30MK002 | 17.33 | 3.85 | 9.68 | 3.62 | 0.00 | 0.00 | 32.45 | 66.93 | | | | | | | | |
| | P30MK003 | 20.89 | 4.64 | 12.10 | 4.53 | 0.00 | 0.00 | 39.11 | 81.27 | | | | | | | | |
| | P30MK004 | 27.22 | 6.05 | 19.01 | 7.12 | 0.00 | 0.00 | 50.96 | 110.36 | | | | | | | | |
| | P30MK005 | 31.60 | 7.02 | 22.46 | 8.41 | 0.00 | 0.00 | 59.17 | 128.66 | | | | | | | | |
| P35 | | | | | | | | | | | | | | | | | |
| | P35CA002 | 16.43 | 5.61 | 3.84 | 1.80 | 0.00 | 0.00 | 28.63 | 56.31 | 19.71 | 5.69 | 4.80 | 2.25 | 0.00 | 0.00 | 37.64 | 70.09 |
| | P35CA003 | 18.85 | 6.44 | 3.84 | 1.80 | 0.00 | 0.00 | 32.85 | 63.78 | 22.62 | 6.53 | 4.80 | 2.25 | 0.00 | 0.00 | 43.19 | 79.39 |
| | P35CA005 | 25.56 | 8.72 | 5.76 | 2.70 | 0.00 | 0.00 | 44.54 | 87.28 | 30.67 | 8.85 | 7.20 | 3.37 | 0.00 | 0.00 | 58.55 | 108.64 |
| | P35CA006 | 35.33 | 12.06 | 8.06 | 3.77 | 0.00 | 0.00 | 61.56 | 120.78 | 42.39 | 12.24 | 10.08 | 4.72 | 0.00 | 0.00 | 80.94 | 150.37 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| P40 | | | | | | | | | | | | | | | | | |
| | P40GV001 | 3.08 | 0.68 | 1.83 | 0.69 | 0.18 | 0.03 | 4.02 | 10.51 | | | | | | | | |
| | P40GV002 | 3.36 | 0.75 | 2.39 | 0.89 | 0.25 | 0.04 | 4.39 | 12.07 | | | | | | | | |
| | P40GV003 | 4.30 | 0.95 | 2.39 | 0.89 | 0.25 | 0.04 | 5.60 | 14.42 | | | | | | | | |
| | P40GV004 | 7.05 | 1.54 | 2.39 | 1.49 | 0.18 | 0.03 | 9.16 | 21.84 | | | | | | | | |
| | P40GV005 | 9.96 | 2.33 | 4.93 | 2.60 | 1.70 | 0.30 | 13.13 | 34.95 | | | | | | | | |
| | P40GV006 | 12.40 | 2.83 | 4.93 | 2.45 | 1.42 | 0.25 | 16.26 | 40.54 | | | | | | | | |
| | P40GV007 | 16.11 | 3.61 | 4.93 | 2.45 | 1.27 | 0.22 | 21.05 | 49.64 | | | | | | | | |
| | P40GV008 | 22.45 | 4.97 | 4.93 | 2.55 | 1.27 | 0.22 | 29.27 | 65.66 | | | | | | | | |
| | P40GV009 | 5.05 | 1.10 | 1.59 | 1.20 | 0.15 | 0.03 | 6.56 | 15.68 | | | | | | | | |
| | P40GV010 | 6.18 | 1.34 | 2.63 | 1.58 | 0.15 | 0.03 | 8.02 | 19.93 | | | | | | | | |
| | P40GV011 | 11.03 | 2.43 | 4.22 | 2.18 | 0.57 | 0.10 | 14.37 | 34.90 | | | | | | | | |
| | P40RE001 | 7.14 | 1.56 | 13.13 | 5.41 | 0.19 | 0.03 | 9.28 | 36.74 | | | | | | | | |
| P45 | | | | | | | | | | | | | | | | | |
| | P45CG001 | 0.31 | 0.06 | 0.00 | 0.05 | 0.00 | 0.00 | 0.46 | 0.88 | | | | | | | | |
| | P45CG002 | 0.55 | 0.11 | 0.00 | 0.10 | 0.00 | 0.00 | 0.80 | 1.56 | | | | | | | | |
| | P45CG003 | 1.47 | 0.29 | 0.00 | 0.15 | 0.00 | 0.00 | 2.14 | 4.05 | | | | | | | | |
| | P45CG004 | 2.64 | 0.52 | 0.00 | 0.31 | 0.00 | 0.00 | 3.86 | 7.33 | | | | | | | | |
| | P45CG005 | 2.83 | 0.56 | 1.12 | 0.37 | 0.04 | 0.01 | 4.14 | 9.07 | | | | | | | | |
| P50 | | | | | | | | | | | | | | | | | |
| | P50HO001 | 0.11 | 0.03 | 0.71 | 0.27 | 0.00 | 0.00 | 0.16 | 1.28 | | | | | | | | |
| | P50HO002 | 0.18 | 0.04 | 0.29 | 0.13 | 0.00 | 0.00 | 0.27 | 0.91 | | | | | | | | |
| | P50HO003 | 0.13 | 0.03 | 1.14 | 0.43 | 0.00 | 0.00 | 0.20 | 1.93 | | | | | | | | |
| | P50HO004 | 0.28 | 0.07 | 0.38 | 0.17 | 0.00 | 0.00 | 0.42 | 1.32 | | | | | | | | |
| | P50HO005 | 0.29 | 0.07 | 2.28 | 0.85 | 0.00 | 0.00 | 0.43 | 3.92 | | | | | | | | |
| | P50WC001 | 0.10 | 0.02 | 0.71 | 0.27 | 0.00 | 0.00 | 0.16 | 1.26 | | | | | | | | |
| | P50WC002 | 0.13 | 0.03 | 1.14 | 0.43 | 0.00 | 0.00 | 0.19 | 1.92 | | | | | | | | |
| | P50WC003 | 0.53 | 0.12 | 0.58 | 0.26 | 0.00 | 0.00 | 0.78 | 2.27 | | | | | | | | |
| | P50WC004 | 1.23 | 0.29 | 1.68 | 0.75 | 0.00 | 0.00 | 1.83 | 5.78 | | | | | | | | |
| P55 | | | | | | | | | | | | | | | | | |
| | P55GF001 | 0.71 | 0.20 | 1.06 | 0.47 | 0.00 | 0.00 | 1.17 | 3.61 | | | | | | | | |
| | P55GF002 | 0.92 | 0.26 | 1.06 | 0.47 | 0.00 | 0.00 | 1.52 | 4.23 | | | | | | | | |
| | P55GR001 | 0.15 | 0.04 | 0.14 | 0.08 | 0.00 | 0.00 | 0.15 | 0.56 | | | | | | | | |
| | P55GR002 | 0.20 | 0.06 | 0.36 | 0.19 | 0.00 | 0.00 | 0.20 | 1.01 | | | | | | | | |
| | P55GR003 | 0.81 | 0.23 | 1.80 | 0.95 | 0.00 | 0.00 | 0.80 | 4.59 | | | | | | | | |
| | P55GR004 | 1.02 | 0.30 | 4.32 | 2.27 | 0.00 | 0.00 | 1.02 | 8.93 | | | | | | | | |
| | P55ML001 | 0.11 | 0.03 | 0.07 | 0.04 | 0.00 | 0.00 | 0.11 | 0.36 | | | | | | | | |
| | P55ML002 | 0.15 | 0.04 | 0.14 | 0.08 | 0.00 | 0.00 | 0.15 | 0.56 | | | | | | | | |
| | P55ML003 | 0.21 | 0.06 | 0.58 | 0.30 | 0.00 | 0.00 | 0.21 | 1.36 | | | | | | | | |
| | P55WC001 | 0.23 | 0.07 | 0.22 | 0.40 | 0.00 | 0.00 | 0.23 | 1.15 | | | | | | | | |
| | P55WC002 | 0.27 | 0.08 | 0.43 | 0.58 | 0.00 | 0.00 | 0.27 | 1.63 | | | | | | | | |
| | P55WC003 | 0.29 | 0.08 | 0.79 | 0.79 | 0.00 | 0.00 | 0.29 | 2.24 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| P60 | | | | | | | | | | | | | | | | | |
| | P60GF003 | 1.40 | 0.34 | 1.54 | 0.68 | 0.04 | 0.01 | 2.09 | 6.10 | | | | | | | | |
| | P60GF004 | 1.97 | 0.47 | 2.93 | 1.30 | 0.04 | 0.01 | 2.94 | 9.66 | | | | | | | | |
| | P60GF005 | 2.33 | 0.56 | 3.98 | 1.77 | 0.04 | 0.01 | 3.48 | 12.17 | | | | | | | | |
| | P60GF006 | 2.55 | 0.61 | 5.28 | 2.35 | 0.05 | 0.01 | 3.81 | 14.66 | | | | | | | | |
| | P60GF007 | 2.77 | 0.66 | 5.28 | 2.35 | 0.05 | 0.01 | 4.13 | 15.25 | | | | | | | | |
| | P60HO001 | 0.05 | 0.01 | 0.43 | 0.16 | 0.00 | 0.00 | 0.08 | 0.73 | | | | | | | | |
| | P60HO002 | 0.07 | 0.02 | 0.43 | 0.16 | 0.00 | 0.00 | 0.10 | 0.78 | | | | | | | | |
| | P60HO003 | 0.12 | 0.03 | 1.14 | 0.43 | 0.00 | 0.00 | 0.18 | 1.90 | | | | | | | | |
| | P60ML001 | 1.02 | 0.24 | 5.41 | 2.02 | 0.00 | 0.00 | 1.53 | 10.22 | | | | | | | | |
| | P60ML002 | 1.09 | 0.26 | 1.44 | 0.64 | 0.00 | 0.00 | 1.62 | 5.05 | | | | | | | | |
| | P60ML003 | 1.54 | 0.36 | 11.24 | 4.21 | 0.00 | 0.00 | 2.30 | 19.65 | | | | | | | | |
| | P60ML004 | 1.99 | 0.47 | 2.88 | 1.28 | 0.00 | 0.00 | 2.96 | 9.58 | | | | | | | | |
| | P60ML005 | 2.56 | 0.60 | 3.36 | 1.49 | 0.00 | 0.00 | 3.82 | 11.83 | | | | | | | | |
| | P60ML006 | 2.66 | 0.63 | 3.26 | 1.45 | 0.00 | 0.00 | 3.97 | 11.97 | | | | | | | | |
| P65 | | | | | | | | | | | | | | | | | |
| | P65HO001 | 0.11 | 0.03 | 0.43 | 0.16 | 0.00 | 0.00 | 0.16 | 0.89 | | | | | | | | |
| | P65HO002 | 0.13 | 0.03 | 0.43 | 0.16 | 0.00 | 0.00 | 0.19 | 0.94 | | | | | | | | |
| P70 | | | | | | | | | | | | | | | | | |
| | P70AD001 | 0.10 | 0.02 | 0.28 | 0.11 | 0.00 | 0.00 | 0.13 | 0.64 | | | | | | | | |
| R10 | | | | | | | | | | | | | | | | | |
| | R10CA001 | 0.35 | 0.07 | 0.00 | 0.08 | 0.00 | 0.00 | 0.49 | 0.99 | 0.43 | 0.08 | 0.00 | 0.08 | 0.00 | 0.00 | 0.66 | 1.25 |
| | R10CA002 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.05 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.06 |
| | R10CA003 | 0.71 | 0.15 | 0.00 | 0.08 | 0.00 | 0.00 | 0.99 | 1.93 | 0.87 | 0.16 | 0.00 | 0.08 | 0.00 | 0.00 | 1.36 | 2.47 |
| | R10CA004 | 0.04 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.10 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.13 |
| | R10CA005 | 1.13 | 0.24 | 0.00 | 0.08 | 0.00 | 0.00 | 1.58 | 3.03 | 1.39 | 0.25 | 0.00 | 0.08 | 0.00 | 0.00 | 2.16 | 3.88 |
| | R10CA006 | 0.09 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.21 | 0.09 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.26 |
| | R10CA007 | 1.45 | 0.31 | 0.00 | 0.08 | 0.00 | 0.00 | 2.03 | 3.87 | 1.78 | 0.32 | 0.00 | 0.08 | 0.00 | 0.00 | 2.77 | 4.95 |
| | R10CA008 | 0.08 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.21 | 0.09 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.15 | 0.26 |
| | R10CA009 | 2.40 | 0.52 | 0.00 | 0.08 | 0.00 | 0.00 | 3.36 | 6.36 | 2.95 | 0.53 | 0.00 | 0.08 | 0.00 | 0.00 | 4.60 | 8.16 |
| | R10CA010 | 0.13 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.34 | 0.16 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.44 |
| | R10CA011 | 4.22 | 0.91 | 0.00 | 0.10 | 0.00 | 0.00 | 5.91 | 11.14 | 5.19 | 0.93 | 0.00 | 0.10 | 0.00 | 0.00 | 8.08 | 14.30 |
| | R10CA012 | 4.23 | 0.91 | 0.00 | 0.10 | 0.00 | 0.00 | 5.92 | 11.16 | 5.20 | 0.94 | 0.00 | 0.10 | 0.00 | 0.00 | 8.10 | 14.34 |
| | R10CA013 | 0.25 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.66 | 0.31 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.86 |
| | R10CA014 | 4.53 | 0.97 | 0.00 | 0.16 | 0.00 | 0.00 | 6.34 | 12.00 | 5.57 | 1.00 | 0.00 | 0.16 | 0.00 | 0.00 | 8.67 | 15.40 |
| | R10CA015 | 4.32 | 0.93 | 0.00 | 0.16 | 0.00 | 0.00 | 6.05 | 11.46 | 5.32 | 0.96 | 0.00 | 0.16 | 0.00 | 0.00 | 8.27 | 14.71 |
| | R10CA016 | 0.27 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.71 | 0.34 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 0.92 |
| | R10CA017 | 6.37 | 1.37 | 0.00 | 0.21 | 0.00 | 0.00 | 8.92 | 16.87 | 7.84 | 1.41 | 0.00 | 0.21 | 0.00 | 0.00 | 12.21 | 21.67 |
| | R10CA018 | 6.49 | 1.40 | 0.00 | 0.22 | 0.00 | 0.00 | 9.09 | 17.20 | 7.99 | 1.44 | 0.00 | 0.22 | 0.00 | 0.00 | 12.44 | 22.09 |
| | R10CA019 | 0.45 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 1.17 | 0.55 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.85 | 1.50 |
| | R10CA020 | 8.51 | 1.83 | 0.00 | 0.23 | 0.00 | 0.00 | 11.92 | 22.49 | 10.48 | 1.88 | 0.00 | 0.23 | 0.00 | 0.00 | 16.30 | 28.89 |
| | R10CA021 | 8.06 | 1.73 | 0.00 | 0.25 | 0.00 | 0.00 | 11.28 | 21.32 | 9.92 | 1.78 | 0.00 | 0.25 | 0.00 | 0.00 | 15.44 | 27.39 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | R10CA022 | 0.51 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.71 | 1.33 | 0.62 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.97 | 1.70 |
| | R10FI001 | 2.37 | 0.51 | 0.00 | 0.09 | 0.00 | 0.00 | 3.32 | 6.29 | 2.91 | 0.52 | 0.00 | 0.09 | 0.00 | 0.00 | 4.54 | 8.06 |
| | R10FI002 | 3.88 | 0.84 | 0.00 | 0.10 | 0.00 | 0.00 | 5.43 | 10.25 | 4.77 | 0.86 | 0.00 | 0.10 | 0.00 | 0.00 | 7.43 | 13.16 |
| | R10FI003 | 4.81 | 1.04 | 0.00 | 0.10 | 0.00 | 0.00 | 6.74 | 12.69 | 5.92 | 1.06 | 0.00 | 0.10 | 0.00 | 0.00 | 9.22 | 16.30 |
| | R10FI004 | 4.99 | 1.07 | 0.00 | 0.20 | 0.00 | 0.00 | 6.98 | 13.24 | 6.14 | 1.10 | 0.00 | 0.20 | 0.00 | 0.00 | 9.55 | 16.99 |
| | R10FI005 | 6.26 | 1.35 | 0.00 | 0.20 | 0.00 | 0.00 | 8.76 | 16.57 | 7.70 | 1.38 | 0.00 | 0.20 | 0.00 | 0.00 | 11.98 | 21.26 |
| | R10FI006 | 6.15 | 1.32 | 0.00 | 0.28 | 0.00 | 0.00 | 8.61 | 16.36 | 7.57 | 1.36 | 0.00 | 0.28 | 0.00 | 0.00 | 11.77 | 20.98 |
| R15 | | | | | | | | | | | | | | | | | |
| | R15SO001 | 7.40 | 2.38 | 0.00 | 0.40 | 2.47 | 0.43 | 8.21 | 21.29 | | | | | | | | |
| | R15SO002 | 7.07 | 2.62 | 0.00 | 0.45 | 4.34 | 0.76 | 8.13 | 23.37 | | | | | | | | |
| | R15SO003 | 12.10 | 3.94 | 0.00 | 0.67 | 4.34 | 0.76 | 13.47 | 35.28 | | | | | | | | |
| R30 | | | | | | | | | | | | | | | | | |
| | R30BO001 | 4.19 | 0.95 | 2.52 | 0.71 | 0.43 | 0.08 | 4.49 | 13.37 | | | | | | | | |
| | R30BO002 | 8.93 | 2.02 | 3.56 | 1.00 | 0.92 | 0.16 | 9.58 | 26.17 | | | | | | | | |
| | R30BO003 | 9.98 | 2.24 | 3.56 | 1.00 | 0.92 | 0.16 | 10.70 | 28.56 | | | | | | | | |
| | R30CA001 | 5.42 | 1.26 | 2.66 | 0.75 | 0.97 | 0.17 | 5.85 | 17.08 | | | | | | | | |
| | R30CA002 | 5.61 | 1.28 | 2.66 | 0.75 | 0.79 | 0.14 | 6.04 | 17.27 | | | | | | | | |
| | R30CA003 | 17.66 | 4.63 | 7.26 | 2.04 | 0.00 | 0.00 | 21.46 | 53.05 | | | | | | | | |
| | R30CA004 | 17.65 | 4.63 | 7.26 | 2.04 | 0.00 | 0.00 | 21.44 | 53.02 | | | | | | | | |
| | R30CA005 | 26.31 | 6.90 | 10.71 | 3.01 | 0.00 | 0.00 | 31.97 | 78.90 | | | | | | | | |
| | R30CA006 | 26.88 | 7.05 | 10.71 | 3.01 | 0.00 | 0.00 | 32.66 | 80.31 | | | | | | | | |
| | R30CA007 | 27.78 | 7.29 | 10.71 | 3.01 | 0.00 | 0.00 | 33.75 | 82.54 | | | | | | | | |
| | R30CA008 | 5.20 | 1.19 | 2.66 | 0.75 | 0.79 | 0.14 | 5.59 | 16.32 | | | | | | | | |
| | R30FR001 | 4.40 | 1.02 | 2.76 | 0.78 | 0.70 | 0.12 | 4.75 | 14.53 | | | | | | | | |
| | R30FR002 | 4.96 | 1.14 | 2.76 | 0.78 | 0.70 | 0.12 | 5.34 | 15.80 | | | | | | | | |
| | R30FR003 | 5.72 | 1.32 | 4.08 | 1.15 | 0.88 | 0.15 | 6.17 | 19.47 | | | | | | | | |
| | R30FR004 | 9.76 | 2.21 | 4.18 | 1.17 | 1.10 | 0.19 | 10.48 | 29.09 | | | | | | | | |
| | R30FR005 | 2.81 | 0.74 | 1.73 | 0.49 | 0.00 | 0.00 | 3.41 | 9.18 | | | | | | | | |
| | R30FR006 | 3.33 | 0.87 | 2.07 | 0.58 | 0.00 | 0.00 | 4.04 | 10.89 | | | | | | | | |
| | R30FR007 | 5.01 | 1.31 | 2.76 | 0.78 | 0.00 | 0.00 | 6.09 | 15.95 | | | | | | | | |
| | R30FR008 | 5.26 | 1.38 | 2.76 | 0.78 | 0.00 | 0.00 | 6.39 | 16.57 | | | | | | | | |
| | R30FR009 | 5.52 | 1.45 | 2.76 | 0.78 | 0.00 | 0.00 | 6.70 | 17.21 | | | | | | | | |
| | R30FR010 | 5.77 | 1.51 | 2.76 | 0.78 | 0.00 | 0.00 | 7.01 | 17.83 | | | | | | | | |
| | R30HY001 | 4.79 | 1.10 | 2.80 | 0.79 | 0.70 | 0.12 | 5.16 | 15.46 | | | | | | | | |
| | R30HY002 | 3.16 | 0.83 | 1.66 | 0.47 | 0.00 | 0.00 | 3.84 | 9.96 | | | | | | | | |
| | R30HY003 | 3.73 | 0.98 | 1.66 | 0.47 | 0.00 | 0.00 | 4.53 | 11.37 | | | | | | | | |
| | R30HY004 | 4.60 | 1.21 | 2.76 | 0.78 | 0.00 | 0.00 | 5.59 | 14.94 | | | | | | | | |
| | R30HY005 | 4.92 | 1.29 | 2.76 | 0.78 | 0.00 | 0.00 | 5.98 | 15.73 | | | | | | | | |
| | R30HY006 | 5.48 | 1.44 | 2.76 | 0.78 | 0.00 | 0.00 | 6.66 | 17.12 | | | | | | | | |
| | R30HY007 | 5.83 | 1.53 | 2.76 | 0.78 | 0.00 | 0.00 | 7.08 | 17.98 | | | | | | | | |
| | R30ID001 | 3.17 | 0.83 | 1.52 | 0.43 | 0.00 | 0.00 | 3.86 | 9.81 | | | | | | | | |
| | R30ID002 | 3.82 | 1.00 | 1.52 | 0.43 | 0.00 | 0.00 | 4.65 | 11.42 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | R30ID003 | 5.11 | 1.34 | 3.01 | 0.84 | 0.00 | 0.00 | 6.21 | 16.51 | | | | | | | | |
| | R30ID004 | 5.47 | 1.44 | 3.01 | 0.84 | 0.00 | 0.00 | 6.65 | 17.41 | | | | | | | | |
| | R30ID005 | 5.81 | 1.52 | 3.01 | 0.84 | 0.00 | 0.00 | 7.06 | 18.24 | | | | | | | | |
| | R30ID006 | 6.20 | 1.63 | 3.01 | 0.84 | 0.00 | 0.00 | 7.54 | 19.22 | | | | | | | | |
| | R30IG001 | 3.60 | 0.85 | 2.63 | 0.74 | 0.70 | 0.12 | 3.90 | 12.54 | | | | | | | | |
| | R30IG002 | 4.37 | 1.01 | 2.63 | 0.74 | 0.70 | 0.12 | 4.71 | 14.28 | | | | | | | | |
| | R30IG007 | 5.02 | 1.32 | 2.63 | 0.74 | 0.00 | 0.00 | 6.10 | 15.81 | | | | | | | | |
| | R30IG008 | 5.08 | 1.33 | 2.63 | 0.74 | 0.00 | 0.00 | 6.17 | 15.95 | | | | | | | | |
| | R30IG009 | 5.44 | 1.43 | 2.63 | 0.74 | 0.00 | 0.00 | 6.61 | 16.85 | | | | | | | | |
| | R30IG010 | 2.50 | 0.66 | 5.54 | 1.55 | 0.00 | 0.00 | 3.04 | 13.29 | | | | | | | | |
| | R30IG011 | 3.19 | 0.84 | 5.95 | 1.67 | 0.00 | 0.00 | 3.88 | 15.53 | | | | | | | | |
| | R30IG012 | 3.98 | 1.04 | 2.76 | 0.78 | 0.00 | 0.00 | 4.84 | 13.40 | | | | | | | | |
| | R30IG013 | 4.25 | 1.11 | 2.94 | 0.82 | 0.00 | 0.00 | 5.16 | 14.28 | | | | | | | | |
| | R30IG014 | 4.65 | 1.22 | 2.76 | 0.78 | 0.00 | 0.00 | 5.65 | 15.06 | | | | | | | | |
| | R30IG015 | 4.94 | 1.30 | 2.76 | 0.78 | 0.00 | 0.00 | 6.00 | 15.78 | | | | | | | | |
| | R30IN001 | 4.90 | 1.10 | 2.63 | 0.74 | 0.44 | 0.08 | 5.25 | 15.14 | | | | | | | | |
| | R30IN002 | 6.07 | 1.35 | 3.01 | 0.84 | 0.44 | 0.08 | 6.49 | 18.28 | | | | | | | | |
| | R30RS001 | 0.58 | 0.15 | 1.44 | 0.40 | 0.00 | 0.00 | 0.70 | 3.27 | | | | | | | | |
| | R30RS002 | 0.81 | 0.21 | 1.85 | 0.52 | 0.00 | 0.00 | 0.99 | 4.38 | | | | | | | | |
| R40 | | | | | | | | | | | | | | | | | |
| | R40SO001 | 8.94 | 1.92 | 2.40 | 0.90 | 0.00 | 0.00 | 10.86 | 25.02 | | | | | | | | |
| | R40SO002 | 11.57 | 2.49 | 3.60 | 1.35 | 0.00 | 0.00 | 14.06 | 33.07 | | | | | | | | |
| R45 | | | | | | | | | | | | | | | | | |
| | R45BO001 | 3.51 | 0.76 | 1.68 | 0.63 | 0.00 | 0.00 | 5.87 | 12.45 | | | | | | | | |
| | R45BO002 | 8.49 | 1.83 | 3.36 | 1.26 | 0.00 | 0.00 | 14.17 | 29.11 | | | | | | | | |
| | R45BO003 | 8.94 | 1.92 | 3.55 | 1.33 | 0.00 | 0.00 | 14.92 | 30.66 | | | | | | | | |
| | R45BO004 | 10.08 | 2.17 | 4.90 | 1.83 | 0.00 | 0.00 | 16.84 | 35.82 | | | | | | | | |
| | R45BO005 | 10.66 | 2.29 | 4.90 | 1.83 | 0.00 | 0.00 | 17.79 | 37.47 | | | | | | | | |
| | R45CA001 | 3.03 | 0.65 | 1.58 | 0.59 | 0.00 | 0.00 | 5.07 | 10.92 | | | | | | | | |
| | R45CA002 | 3.58 | 0.77 | 1.58 | 0.59 | 0.00 | 0.00 | 5.98 | 12.50 | | | | | | | | |
| | R45CA005 | 8.24 | 1.77 | 3.84 | 1.44 | 0.00 | 0.00 | 13.76 | 29.05 | | | | | | | | |
| | R45CA007 | 10.58 | 2.28 | 6.00 | 2.25 | 0.00 | 0.00 | 17.67 | 38.78 | | | | | | | | |
| | R45CA008 | 12.63 | 2.72 | 7.44 | 2.79 | 0.00 | 0.00 | 21.09 | 46.67 | | | | | | | | |
| | R45DY001 | 4.07 | 0.88 | 1.49 | 0.56 | 0.00 | 0.00 | 6.79 | 13.79 | | | | | | | | |
| | R45DY002 | 9.78 | 2.11 | 1.49 | 0.56 | 0.00 | 0.00 | 16.34 | 30.28 | | | | | | | | |
| | R45DY003 | 12.35 | 2.66 | 5.90 | 2.21 | 0.00 | 0.00 | 20.62 | 43.74 | | | | | | | | |
| | R45DY004 | 18.13 | 3.90 | 10.08 | 3.77 | 0.00 | 0.00 | 30.28 | 66.16 | | | | | | | | |
| | R45HY002 | 10.13 | 2.18 | 4.90 | 1.83 | 0.00 | 0.00 | 16.92 | 35.96 | | | | | | | | |
| | R45ID003 | 11.22 | 2.42 | 5.76 | 2.16 | 0.00 | 0.00 | 18.74 | 40.30 | | | | | | | | |
| | R45IN001 | 3.18 | 0.68 | 1.49 | 0.56 | 0.00 | 0.00 | 5.31 | 11.22 | | | | | | | | |
| | R45IN002 | 3.58 | 0.77 | 1.49 | 0.56 | 0.00 | 0.00 | 5.98 | 12.38 | | | | | | | | |
| | R45IN003 | 3.93 | 0.85 | 1.54 | 0.58 | 0.00 | 0.00 | 6.56 | 13.46 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | R45IN004 | 9.23 | 1.99 | 3.46 | 1.29 | 0.00 | 0.00 | 15.41 | 31.38 | | | | | | | | |
| | R45IN005 | 11.33 | 2.44 | 5.38 | 2.01 | 0.00 | 0.00 | 18.92 | 40.08 | | | | | | | | |
| | R45IN006 | 10.93 | 2.35 | 5.52 | 2.07 | 0.00 | 0.00 | 18.26 | 39.13 | | | | | | | | |
| | R45IN007 | 14.95 | 3.22 | 7.49 | 2.80 | 0.00 | 0.00 | 24.97 | 53.43 | | | | | | | | |
| | R45RS001 | 1.15 | 0.25 | 2.56 | 0.96 | 0.00 | 0.00 | 1.93 | 6.85 | | | | | | | | |
| | R45RS002 | 2.65 | 0.57 | 1.44 | 0.54 | 0.00 | 0.00 | 4.43 | 9.63 | | | | | | | | |
| | R45TA001 | 8.55 | 1.84 | 3.74 | 1.40 | 0.00 | 0.00 | 14.27 | 29.80 | | | | | | | | |
| | R45TA002 | 10.44 | 2.25 | 5.18 | 1.94 | 0.00 | 0.00 | 17.43 | 37.24 | | | | | | | | |
| R50 | | | | | | | | | | | | | | | | | |
| | R50BO001 | 6.37 | 1.39 | 2.45 | 0.92 | 0.22 | 0.04 | 9.69 | 21.08 | | | | | | | | |
| | R50BO002 | 7.24 | 1.58 | 3.41 | 1.28 | 0.26 | 0.05 | 11.03 | 24.85 | | | | | | | | |
| | R50BO003 | 10.70 | 2.36 | 5.71 | 2.14 | 0.63 | 0.11 | 16.32 | 37.97 | | | | | | | | |
| | R50BO004 | 11.79 | 2.60 | 8.02 | 3.00 | 0.63 | 0.11 | 17.97 | 44.12 | | | | | | | | |
| | R50CA001 | 6.22 | 1.35 | 3.70 | 1.38 | 0.13 | 0.02 | 9.46 | 22.26 | | | | | | | | |
| | R50CA002 | 6.86 | 1.50 | 3.70 | 1.38 | 0.26 | 0.05 | 10.44 | 24.19 | | | | | | | | |
| | R50CA003 | 6.93 | 1.52 | 4.90 | 1.83 | 0.26 | 0.05 | 10.55 | 26.04 | | | | | | | | |
| | R50CA004 | 8.77 | 1.91 | 4.90 | 1.83 | 0.26 | 0.05 | 13.34 | 31.06 | | | | | | | | |
| | R50CA005 | 7.86 | 1.72 | 4.90 | 1.83 | 0.26 | 0.05 | 11.96 | 28.58 | | | | | | | | |
| | R50CA006 | 9.17 | 2.03 | 7.44 | 2.79 | 0.57 | 0.10 | 13.99 | 36.09 | | | | | | | | |
| | R50CA009 | 10.08 | 2.22 | 6.96 | 2.61 | 0.57 | 0.10 | 15.36 | 37.90 | | | | | | | | |
| | R50CA010 | 11.22 | 2.47 | 6.96 | 2.61 | 0.57 | 0.10 | 17.10 | 41.03 | | | | | | | | |
| | R50DY001 | 9.08 | 1.98 | 4.70 | 1.76 | 0.25 | 0.04 | 13.82 | 31.63 | | | | | | | | |
| | R50DY002 | 10.39 | 2.25 | 4.70 | 1.76 | 0.20 | 0.04 | 15.79 | 35.13 | | | | | | | | |
| | R50DY003 | 10.98 | 2.42 | 7.25 | 2.71 | 0.65 | 0.11 | 16.75 | 40.87 | | | | | | | | |
| | R50DY004 | 13.07 | 2.87 | 7.25 | 2.71 | 0.57 | 0.10 | 19.90 | 46.47 | | | | | | | | |
| | R50DY005 | 13.03 | 2.86 | 7.25 | 2.71 | 0.57 | 0.10 | 19.84 | 46.36 | | | | | | | | |
| | R50DY006 | 16.77 | 3.66 | 7.39 | 2.77 | 0.57 | 0.10 | 25.52 | 56.78 | | | | | | | | |
| | R50HY005 | 6.62 | 1.54 | 5.14 | 1.92 | 1.20 | 0.21 | 10.21 | 26.84 | | | | | | | | |
| | R50HY007 | 7.10 | 1.55 | 5.14 | 1.92 | 0.21 | 0.04 | 10.80 | 26.76 | | | | | | | | |
| | R50HY008 | 8.73 | 1.90 | 5.14 | 1.92 | 0.21 | 0.04 | 13.28 | 31.22 | | | | | | | | |
| | R50HY009 | 10.55 | 2.33 | 6.96 | 2.61 | 0.63 | 0.11 | 16.09 | 39.28 | | | | | | | | |
| | R50HY010 | 10.55 | 2.33 | 6.96 | 2.61 | 0.49 | 0.09 | 16.09 | 39.12 | | | | | | | | |
| | R50HY011 | 11.01 | 2.43 | 6.96 | 2.61 | 0.63 | 0.11 | 16.78 | 40.53 | | | | | | | | |
| | R50HY012 | 11.44 | 2.53 | 6.96 | 2.61 | 0.67 | 0.12 | 17.45 | 41.78 | | | | | | | | |
| | R50HY013 | 11.91 | 2.62 | 6.96 | 2.61 | 0.49 | 0.09 | 18.16 | 42.84 | | | | | | | | |
| | R50ID001 | 8.09 | 1.77 | 3.84 | 1.44 | 0.26 | 0.05 | 12.31 | 27.76 | | | | | | | | |
| | R50ID002 | 8.84 | 1.93 | 3.84 | 1.44 | 0.21 | 0.04 | 13.45 | 29.75 | | | | | | | | |
| | R50ID003 | 8.89 | 1.94 | 3.84 | 1.44 | 0.27 | 0.05 | 13.52 | 29.95 | | | | | | | | |
| | R50ID004 | 9.77 | 2.13 | 3.84 | 1.44 | 0.21 | 0.04 | 14.86 | 32.29 | | | | | | | | |
| | R50ID005 | 9.57 | 2.09 | 5.76 | 2.16 | 0.32 | 0.06 | 14.57 | 34.53 | | | | | | | | |
| | R50ID006 | 10.40 | 2.29 | 5.76 | 2.16 | 0.53 | 0.09 | 15.85 | 37.08 | | | | | | | | |
| | R50ID007 | 10.59 | 2.31 | 5.76 | 2.16 | 0.25 | 0.04 | 16.12 | 37.23 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | R50ID008 | 11.24 | 2.45 | 5.76 | 2.16 | 0.25 | 0.04 | 17.10 | 39.00 | | | | | | | | |
| | R50IN001 | 6.23 | 1.36 | 3.65 | 1.37 | 0.20 | 0.04 | 9.48 | 22.33 | | | | | | | | |
| | R50TA001 | 6.35 | 1.39 | 3.74 | 1.40 | 0.21 | 0.04 | 9.66 | 22.79 | | | | | | | | |
| | R50TA002 | 6.96 | 1.52 | 3.74 | 1.40 | 0.27 | 0.05 | 10.59 | 24.53 | | | | | | | | |
| | R50TA003 | 7.27 | 1.58 | 3.74 | 1.40 | 0.21 | 0.04 | 11.06 | 25.30 | | | | | | | | |
| | R50TA004 | 9.52 | 2.11 | 6.34 | 2.37 | 0.63 | 0.11 | 14.54 | 35.62 | | | | | | | | |
| | R50TA005 | 10.20 | 2.24 | 6.34 | 2.37 | 0.53 | 0.09 | 15.55 | 37.32 | | | | | | | | |
| | R50TA006 | 10.04 | 2.22 | 6.34 | 2.37 | 0.63 | 0.11 | 15.32 | 37.03 | | | | | | | | |
| | R50TA007 | 10.54 | 2.33 | 6.34 | 2.37 | 0.63 | 0.11 | 16.08 | 38.40 | | | | | | | | |
| R55 | | | | | | | | | | | | | | | | | |
| | R55AE001 | 0.98 | 0.15 | 0.00 | 0.50 | 0.03 | 0.01 | 1.15 | 2.82 | | | | | | | | |
| | R55AE002 | 1.22 | 0.19 | 0.00 | 0.50 | 0.04 | 0.01 | 1.43 | 3.39 | | | | | | | | |
| | R55AE003 | 1.60 | 0.26 | 0.00 | 0.75 | 0.09 | 0.02 | 1.88 | 4.60 | | | | | | | | |
| | R55AE004 | 1.97 | 0.32 | 0.00 | 2.00 | 0.13 | 0.02 | 2.32 | 6.76 | | | | | | | | |
| | R55AE005 | 3.11 | 0.48 | 2.18 | 0.61 | 0.04 | 0.01 | 3.64 | 10.07 | | | | | | | | |
| | R55AE006 | 3.50 | 0.54 | 2.18 | 0.61 | 0.05 | 0.01 | 4.09 | 10.98 | | | | | | | | |
| | R55AE007 | 3.92 | 0.61 | 2.18 | 0.61 | 0.05 | 0.01 | 4.59 | 11.97 | | | | | | | | |
| | R55AE008 | 0.56 | 0.09 | 0.76 | 0.21 | 0.00 | 0.00 | 0.65 | 2.27 | | | | | | | | |
| | R55AE009 | 0.20 | 0.03 | 0.85 | 0.24 | 0.00 | 0.00 | 0.24 | 1.56 | | | | | | | | |
| | R55AE010 | 0.35 | 0.05 | 1.52 | 0.43 | 0.00 | 0.00 | 0.41 | 2.76 | | | | | | | | |
| | R55GL001 | 0.30 | 0.05 | 0.00 | 0.50 | 0.04 | 0.01 | 0.35 | 1.25 | | | | | | | | |
| | R55GL002 | 0.61 | 0.10 | 0.00 | 0.50 | 0.04 | 0.01 | 0.71 | 1.97 | | | | | | | | |
| | R55GL003 | 0.87 | 0.14 | 0.00 | 0.75 | 0.04 | 0.01 | 1.03 | 2.84 | | | | | | | | |
| | R55GL004 | 1.08 | 0.17 | 0.00 | 0.75 | 0.05 | 0.01 | 1.27 | 3.33 | | | | | | | | |
| | R55GL005 | 3.73 | 0.57 | 2.37 | 0.67 | 0.00 | 0.00 | 4.35 | 11.69 | | | | | | | | |
| | R55GL006 | 4.47 | 0.69 | 2.37 | 0.67 | 0.00 | 0.00 | 5.22 | 13.42 | | | | | | | | |
| | R55GL007 | 1.16 | 0.18 | 1.71 | 0.48 | 0.00 | 0.00 | 1.36 | 4.89 | | | | | | | | |
| | R55GL008 | 0.27 | 0.04 | 0.38 | 0.11 | 0.00 | 0.00 | 0.31 | 1.11 | | | | | | | | |
| | R55GL009 | 0.21 | 0.03 | 0.76 | 0.21 | 0.00 | 0.00 | 0.24 | 1.45 | | | | | | | | |
| | R55GL010 | 0.34 | 0.05 | 1.52 | 0.43 | 0.00 | 0.00 | 0.40 | 2.74 | | | | | | | | |
| | R55GL011 | 0.35 | 0.05 | 1.52 | 0.43 | 0.00 | 0.00 | 0.41 | 2.76 | | | | | | | | |
| S10 | | | | | | | | | | | | | | | | | |
| | S10CA001 | 13.55 | 3.76 | 6.22 | 2.91 | 3.10 | 0.54 | 16.03 | 46.11 | 16.93 | 3.85 | 8.06 | 3.77 | 5.15 | 0.90 | 21.39 | 60.05 |
| | S10CA002 | 22.38 | 5.71 | 9.41 | 3.52 | 5.91 | 1.04 | 21.57 | 69.54 | 27.97 | 5.87 | 12.21 | 4.57 | 9.82 | 1.72 | 29.05 | 91.21 |
| | S10CA003 | 31.29 | 8.06 | 12.96 | 4.85 | 9.62 | 1.69 | 30.20 | 98.67 | 39.11 | 8.29 | 16.82 | 6.30 | 15.98 | 2.80 | 40.68 | 129.98 |
| | S10FI002 | 34.41 | 8.70 | 11.72 | 4.39 | 7.77 | 1.36 | 33.11 | 101.46 | 43.01 | 8.94 | 15.21 | 5.69 | 12.91 | 2.27 | 44.60 | 132.63 |
| | S10ID001 | 12.47 | 3.49 | 5.86 | 2.74 | 3.46 | 0.61 | 14.78 | 43.41 | 15.59 | 3.58 | 7.60 | 3.56 | 5.74 | 1.01 | 19.72 | 56.80 |
| | S10JD001 | 12.49 | 3.53 | 6.39 | 2.99 | 3.84 | 0.67 | 14.84 | 44.75 | 15.61 | 3.62 | 8.29 | 3.88 | 6.38 | 1.12 | 19.80 | 58.70 |
| | S10JD002 | 19.83 | 5.09 | 9.41 | 3.52 | 5.77 | 1.01 | 19.12 | 63.75 | 24.78 | 5.23 | 12.21 | 4.57 | 9.58 | 1.68 | 25.76 | 83.81 |
| S15 | | | | | | | | | | | | | | | | | |
| | S15CA001 | 27.77 | 7.22 | 10.45 | 3.91 | 9.62 | 1.69 | 26.84 | 87.50 | 34.71 | 7.42 | 13.62 | 5.10 | 15.98 | 2.80 | 36.16 | 115.79 |
| | S15CA002 | 42.65 | 11.08 | 14.26 | 5.34 | 14.64 | 2.57 | 41.22 | 131.76 | 53.32 | 11.39 | 18.58 | 6.95 | 24.32 | 4.27 | 55.53 | 174.36 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | S15CA003 | 56.07 | 14.49 | 17.42 | 6.52 | 18.03 | 3.16 | 54.14 | 169.83 | 70.08 | 14.90 | 22.70 | 8.50 | 29.94 | 5.25 | 72.94 | 224.31 |
| | S15FI001 | 30.56 | 7.73 | 10.45 | 3.91 | 6.97 | 1.22 | 29.41 | 90.25 | 38.20 | 7.94 | 13.62 | 5.10 | 11.58 | 2.03 | 39.61 | 118.08 |
| | S15TE001 | 40.88 | 10.72 | 15.21 | 5.69 | 15.77 | 2.77 | 39.57 | 130.61 | 51.10 | 11.02 | 19.81 | 7.42 | 26.19 | 4.60 | 53.31 | 173.45 |
| S20 | | | | | | | | | | | | | | | | | |
| | S20CA001 | 31.79 | 8.21 | 15.12 | 4.60 | 13.50 | 2.37 | 30.69 | 106.28 | 39.73 | 8.44 | 19.44 | 5.91 | 23.44 | 4.11 | 41.35 | 142.42 |
| | S20CA002 | 33.67 | 8.66 | 15.12 | 4.60 | 13.50 | 2.37 | 32.49 | 110.41 | 42.08 | 8.90 | 19.44 | 5.91 | 23.44 | 4.11 | 43.76 | 147.64 |
| | S20CA003 | 54.79 | 13.98 | 23.52 | 7.15 | 19.42 | 3.41 | 52.80 | 175.07 | 68.48 | 14.37 | 30.24 | 9.20 | 33.73 | 5.92 | 71.13 | 233.07 |
| | S20CA004 | 57.18 | 14.55 | 23.52 | 7.15 | 19.42 | 3.41 | 55.08 | 180.31 | 71.48 | 14.96 | 30.24 | 9.20 | 33.73 | 5.92 | 74.20 | 239.73 |
| | S20CA005 | 68.80 | 17.54 | 31.92 | 9.71 | 23.91 | 4.20 | 66.29 | 222.37 | 86.00 | 18.03 | 41.04 | 12.48 | 41.53 | 7.29 | 89.30 | 295.67 |
| | S20CA006 | 73.23 | 18.60 | 31.92 | 9.71 | 23.91 | 4.20 | 70.52 | 232.09 | 91.54 | 19.11 | 41.04 | 12.48 | 41.53 | 7.29 | 95.00 | 307.99 |
| | S20TE001 | 28.19 | 7.25 | 9.74 | 2.96 | 11.13 | 1.95 | 27.20 | 88.42 | 35.24 | 7.45 | 12.53 | 3.81 | 19.34 | 3.39 | 36.64 | 118.40 |
| | S20TE002 | 53.84 | 13.82 | 24.86 | 7.56 | 20.92 | 3.67 | 51.94 | 176.61 | 67.30 | 14.21 | 31.97 | 9.72 | 36.33 | 6.38 | 69.97 | 235.88 |
| S25 | | | | | | | | | | | | | | | | | |
| | S25RM001 | 5.77 | 2.00 | 0.00 | 1.51 | 2.04 | 0.36 | 6.45 | 18.13 | 6.93 | 2.03 | 0.00 | 1.51 | 2.66 | 0.47 | 8.29 | 21.89 |
| | S25RM002 | 6.01 | 2.24 | 0.00 | 1.51 | 3.73 | 0.65 | 6.84 | 20.98 | 7.21 | 2.28 | 0.00 | 1.51 | 4.87 | 0.85 | 8.79 | 25.51 |
| S30 | | | | | | | | | | | | | | | | | |
| | S30HW001 | 21.57 | 5.16 | 13.00 | 10.34 | 0.00 | 0.00 | 31.49 | 81.56 | | | | | | | | |
| | S30HW002 | 29.41 | 7.03 | 18.20 | 14.08 | 0.00 | 0.00 | 42.94 | 111.66 | | | | | | | | |
| | S30HW003 | 21.57 | 5.16 | 12.10 | 5.96 | 0.00 | 0.00 | 31.49 | 76.28 | | | | | | | | |
| | S30HW004 | 29.41 | 7.03 | 16.93 | 8.05 | 0.00 | 0.00 | 42.94 | 104.36 | | | | | | | | |
| | S30HW005 | 11.07 | 2.65 | 2.08 | 3.10 | 0.00 | 0.00 | 16.17 | 35.07 | | | | | | | | |
| | S30HW006 | 18.41 | 4.40 | 5.20 | 5.74 | 0.00 | 0.00 | 26.88 | 60.63 | | | | | | | | |
| | S30HW007 | 19.99 | 4.78 | 6.50 | 6.92 | 0.00 | 0.00 | 29.19 | 67.38 | | | | | | | | |
| | S30HW008 | 20.88 | 4.99 | 6.50 | 7.42 | 0.00 | 0.00 | 30.48 | 70.27 | | | | | | | | |
| | S30HW009 | 21.68 | 5.18 | 7.80 | 8.61 | 0.00 | 0.00 | 31.65 | 74.92 | | | | | | | | |
| | S30HW010 | 26.38 | 6.31 | 10.40 | 10.48 | 0.00 | 0.00 | 38.51 | 92.08 | | | | | | | | |
| | S30HW011 | 25.88 | 6.19 | 10.40 | 10.23 | 0.00 | 0.00 | 37.79 | 90.49 | | | | | | | | |
| | S30HW012 | 30.55 | 7.31 | 10.40 | 10.98 | 0.00 | 0.00 | 44.60 | 103.84 | | | | | | | | |
| | S30HW013 | 26.16 | 6.26 | 23.40 | 19.82 | 0.00 | 0.00 | 38.20 | 113.84 | | | | | | | | |
| | S30HW014 | 7.55 | 1.98 | 0.78 | 1.91 | 0.00 | 0.00 | 9.37 | 21.59 | | | | | | | | |
| | S30HW015 | 8.41 | 2.21 | 1.30 | 2.48 | 0.00 | 0.00 | 10.43 | 24.83 | | | | | | | | |
| | S30HW016 | 7.94 | 2.08 | 1.04 | 2.15 | 0.00 | 0.00 | 9.85 | 23.06 | | | | | | | | |
| | S30HW017 | 8.59 | 2.25 | 1.30 | 2.53 | 0.00 | 0.00 | 10.66 | 25.33 | | | | | | | | |
| | S30HW018 | 10.25 | 2.69 | 2.08 | 3.10 | 0.00 | 0.00 | 12.72 | 30.84 | | | | | | | | |
| | S30KB001 | 1.40 | 0.46 | 0.78 | 1.41 | 0.81 | 0.14 | 1.59 | 6.59 | | | | | | | | |
| | S30KB002 | 1.55 | 0.50 | 0.78 | 1.41 | 0.90 | 0.16 | 1.76 | 7.06 | | | | | | | | |
| | S30KB003 | 1.57 | 0.51 | 1.30 | 1.93 | 0.90 | 0.16 | 1.79 | 8.16 | | | | | | | | |
| | S30KB004 | 1.73 | 0.56 | 1.30 | 1.93 | 1.02 | 0.18 | 1.97 | 8.69 | | | | | | | | |
| | S30KB005 | 1.79 | 0.59 | 1.56 | 2.17 | 1.10 | 0.19 | 2.04 | 9.44 | | | | | | | | |
| | S30KB006 | 2.10 | 0.68 | 2.08 | 2.60 | 1.27 | 0.22 | 2.39 | 11.34 | | | | | | | | |
| | S30KB007 | 3.02 | 0.88 | 0.78 | 1.66 | 0.86 | 0.15 | 3.35 | 10.70 | | | | | | | | |
| | S30KB008 | 3.33 | 0.98 | 1.04 | 1.90 | 0.95 | 0.17 | 3.70 | 12.07 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | S30KB009 | 4.19 | 1.21 | 1.04 | 1.90 | 1.05 | 0.18 | 4.64 | 14.21 | | | | | | | | |
| | S30KB010 | 3.12 | 0.92 | 1.30 | 2.08 | 0.96 | 0.17 | 3.47 | 12.02 | | | | | | | | |
| | S30KB011 | 3.47 | 1.02 | 1.56 | 2.32 | 1.08 | 0.19 | 3.87 | 13.51 | | | | | | | | |
| | S30KB012 | 5.10 | 1.46 | 2.08 | 2.70 | 1.20 | 0.21 | 5.64 | 18.39 | | | | | | | | |
| | S30KB013 | 4.20 | 1.22 | 1.56 | 2.42 | 1.19 | 0.21 | 4.66 | 15.46 | | | | | | | | |
| | S30KB014 | 4.99 | 1.45 | 2.60 | 3.07 | 1.36 | 0.24 | 5.54 | 19.25 | | | | | | | | |
| | S30KB015 | 5.61 | 1.62 | 3.12 | 3.44 | 1.52 | 0.27 | 6.22 | 21.80 | | | | | | | | |
| | S30KB016 | 2.29 | 0.66 | 1.04 | 1.80 | 0.63 | 0.11 | 2.54 | 9.07 | | | | | | | | |
| | S30KB017 | 2.36 | 0.69 | 1.04 | 1.80 | 0.73 | 0.13 | 2.62 | 9.37 | | | | | | | | |
| | S30KB018 | 4.28 | 1.21 | 1.30 | 2.03 | 0.91 | 0.16 | 4.72 | 14.61 | | | | | | | | |
| | S30KB019 | 2.54 | 0.74 | 1.56 | 2.22 | 0.75 | 0.13 | 2.82 | 10.76 | | | | | | | | |
| | S30KB020 | 2.82 | 0.82 | 1.56 | 2.22 | 0.87 | 0.15 | 3.14 | 11.58 | | | | | | | | |
| | S30KB021 | 5.17 | 1.46 | 2.08 | 2.60 | 1.09 | 0.19 | 5.70 | 18.29 | | | | | | | | |
| | S30KB022 | 3.06 | 0.90 | 2.60 | 3.07 | 1.00 | 0.18 | 3.40 | 14.21 | | | | | | | | |
| | S30KB023 | 3.75 | 1.09 | 2.60 | 3.12 | 1.17 | 0.21 | 4.16 | 16.10 | | | | | | | | |
| | S30KB024 | 6.03 | 1.72 | 3.12 | 3.59 | 1.46 | 0.26 | 6.67 | 22.85 | | | | | | | | |
| | S30KB025 | 3.15 | 0.89 | 0.78 | 1.66 | 0.63 | 0.11 | 3.47 | 10.69 | | | | | | | | |
| | S30KB026 | 3.75 | 1.06 | 0.78 | 1.71 | 0.73 | 0.13 | 4.13 | 12.29 | | | | | | | | |
| | S30KB027 | 4.71 | 1.33 | 1.04 | 1.95 | 0.91 | 0.16 | 5.19 | 15.29 | | | | | | | | |
| | S30KB028 | 3.98 | 1.12 | 1.56 | 2.32 | 0.75 | 0.13 | 4.38 | 14.24 | | | | | | | | |
| | S30KB029 | 4.42 | 1.24 | 1.56 | 2.32 | 0.87 | 0.15 | 4.87 | 15.43 | | | | | | | | |
| | S30KB030 | 5.44 | 1.53 | 2.08 | 2.70 | 1.09 | 0.19 | 6.00 | 19.03 | | | | | | | | |
| | S30KB031 | 4.66 | 1.32 | 2.60 | 3.12 | 1.00 | 0.18 | 5.14 | 18.02 | | | | | | | | |
| | S30KB032 | 5.61 | 1.58 | 2.60 | 3.22 | 1.17 | 0.21 | 6.19 | 20.58 | | | | | | | | |
| | S30KB033 | 6.52 | 1.85 | 3.12 | 3.54 | 1.46 | 0.26 | 7.20 | 23.95 | | | | | | | | |
| | S30KB034 | 15.00 | 3.67 | 3.90 | 4.55 | 0.85 | 0.15 | 21.98 | 50.10 | | | | | | | | |
| | S30KB035 | 15.55 | 3.80 | 5.20 | 5.74 | 0.85 | 0.15 | 22.78 | 54.07 | | | | | | | | |
| | S30KB036 | 17.13 | 4.18 | 5.20 | 5.74 | 0.85 | 0.15 | 25.08 | 58.33 | | | | | | | | |
| | S30KB037 | 5.11 | 1.38 | 2.52 | 2.83 | 0.40 | 0.07 | 6.38 | 18.69 | | | | | | | | |
| | S30KB038 | 5.42 | 1.48 | 2.52 | 2.83 | 0.51 | 0.09 | 6.78 | 19.63 | | | | | | | | |
| | S30KB039 | 6.13 | 1.66 | 3.32 | 3.34 | 0.45 | 0.08 | 7.66 | 22.64 | | | | | | | | |
| | S30KB040 | 6.52 | 1.76 | 3.32 | 3.34 | 0.51 | 0.09 | 8.14 | 23.68 | | | | | | | | |
| | S30KL001 | 5.59 | 1.48 | 0.00 | 2.50 | 0.09 | 0.02 | 6.94 | 16.62 | | | | | | | | |
| | S30KL002 | 6.99 | 1.85 | 0.00 | 3.00 | 0.12 | 0.02 | 8.70 | 20.68 | | | | | | | | |
| | S30KL003 | 8.69 | 2.30 | 0.00 | 3.50 | 0.12 | 0.02 | 10.81 | 25.44 | | | | | | | | |
| | S30RA001 | 2.97 | 0.79 | 0.83 | 1.52 | 0.10 | 0.02 | 3.70 | 9.93 | | | | | | | | |
| | S30RA002 | 4.20 | 1.11 | 0.83 | 1.52 | 0.10 | 0.02 | 5.22 | 13.00 | | | | | | | | |
| | S30RA003 | 6.68 | 1.78 | 1.24 | 2.16 | 0.20 | 0.04 | 8.32 | 20.42 | | | | | | | | |
| | S30RA004 | 8.32 | 2.21 | 1.69 | 2.55 | 0.20 | 0.04 | 10.35 | 25.36 | | | | | | | | |
| | S30TS001 | 1.70 | 0.50 | 0.78 | 1.41 | 0.58 | 0.10 | 1.89 | 6.96 | | | | | | | | |
| | S30TS002 | 2.14 | 0.63 | 0.78 | 1.41 | 0.77 | 0.14 | 2.38 | 8.25 | | | | | | | | |
| | S30TS003 | 1.76 | 0.53 | 1.04 | 1.80 | 0.70 | 0.12 | 1.97 | 7.92 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | S30TS004 | 2.19 | 0.66 | 1.04 | 1.80 | 0.94 | 0.16 | 2.45 | 9.24 | | | | | | | | |
| | S30TS005 | 1.83 | 0.57 | 0.78 | 1.41 | 0.95 | 0.17 | 2.06 | 7.77 | | | | | | | | |
| | S30TS006 | 2.23 | 0.71 | 1.04 | 2.05 | 1.28 | 0.22 | 2.52 | 10.05 | | | | | | | | |
| | S30TS007 | 2.00 | 0.63 | 0.78 | 1.41 | 1.09 | 0.19 | 2.25 | 8.35 | | | | | | | | |
| | S30TS008 | 2.20 | 0.76 | 1.04 | 2.05 | 1.98 | 0.35 | 2.54 | 10.92 | | | | | | | | |
| | S30TS009 | 17.06 | 4.08 | 15.60 | 11.21 | 0.00 | 0.00 | 24.91 | 72.86 | | | | | | | | |
| | S30TS010 | 24.76 | 5.92 | 20.80 | 14.95 | 0.00 | 0.00 | 36.16 | 102.59 | | | | | | | | |
| | S30TS011 | 42.53 | 10.17 | 41.60 | 29.90 | 0.00 | 0.00 | 62.10 | 186.30 | | | | | | | | |
| | S30TS012 | 12.25 | 2.93 | 10.40 | 7.98 | 0.00 | 0.00 | 17.89 | 51.45 | | | | | | | | |
| | S30TS013 | 12.46 | 2.98 | 10.40 | 7.98 | 0.00 | 0.00 | 18.19 | 52.01 | | | | | | | | |
| | S30TS014 | 17.92 | 4.29 | 13.00 | 9.84 | 0.00 | 0.00 | 26.17 | 71.22 | | | | | | | | |
| | S30TS015 | 24.41 | 5.84 | 13.00 | 9.84 | 0.00 | 0.00 | 35.63 | 88.72 | | | | | | | | |
| | S30TS016 | 24.61 | 5.89 | 15.60 | 11.71 | 0.00 | 0.00 | 35.93 | 93.74 | | | | | | | | |
| | S30TS017 | 25.13 | 6.01 | 15.60 | 11.71 | 0.00 | 0.00 | 36.69 | 95.14 | | | | | | | | |
| | S30TS018 | 42.70 | 10.21 | 20.80 | 15.95 | 0.00 | 0.00 | 62.35 | 152.01 | | | | | | | | |
| | S30TS019 | 43.51 | 10.41 | 20.80 | 15.95 | 0.00 | 0.00 | 63.53 | 154.20 | | | | | | | | |
| | S30TS020 | 6.42 | 1.53 | 5.20 | 5.24 | 0.00 | 0.00 | 9.37 | 27.76 | | | | | | | | |
| | S30TS021 | 9.57 | 2.29 | 10.40 | 8.48 | 0.00 | 0.00 | 13.97 | 44.71 | | | | | | | | |
| | S30TS022 | 14.87 | 3.56 | 15.60 | 12.21 | 0.00 | 0.00 | 21.71 | 67.95 | | | | | | | | |
| | S30TS023 | 19.28 | 4.61 | 20.80 | 15.95 | 0.00 | 0.00 | 28.15 | 88.79 | | | | | | | | |
| | S30TS024 | 24.29 | 5.81 | 15.60 | 12.21 | 0.00 | 0.00 | 35.47 | 93.38 | | | | | | | | |
| S35 | | | | | | | | | | | | | | | | | |
| | S35AR001 | 0.26 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.65 | | | | | | | | |
| | S35AR002 | 0.42 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 1.03 | | | | | | | | |
| S40 | | | | | | | | | | | | | | | | | |
| | S40CA001 | 16.40 | 4.34 | 11.90 | 3.90 | 0.40 | 0.07 | 21.78 | 58.79 | 20.49 | 4.45 | 15.44 | 5.06 | 0.61 | 0.11 | 30.43 | 76.59 |
| | S40CA002 | 14.73 | 3.96 | 11.90 | 3.90 | 1.20 | 0.21 | 19.63 | 55.53 | 18.41 | 4.06 | 15.44 | 5.06 | 1.89 | 0.33 | 27.43 | 72.62 |
| S45 | | | | | | | | | | | | | | | | | |
| | S45DA001 | 1.38 | 0.23 | 0.00 | 1.10 | 0.00 | 0.00 | 2.14 | 4.85 | | | | | | | | |
| | S45DA002 | 1.62 | 0.27 | 0.00 | 1.20 | 0.00 | 0.00 | 2.51 | 5.60 | | | | | | | | |
| | S45DA003 | 1.67 | 0.28 | 0.00 | 1.30 | 0.00 | 0.00 | 2.58 | 5.83 | | | | | | | | |
| T10 | | | | | | | | | | | | | | | | | |
| | T10CA001 | 0.81 | 0.21 | 0.00 | 0.08 | 0.00 | 0.00 | 1.01 | 2.11 | 1.02 | 0.22 | 0.00 | 0.08 | 0.00 | 0.00 | 1.42 | 2.74 |
| | T10CA002 | 0.61 | 0.16 | 0.00 | 0.08 | 0.00 | 0.00 | 0.75 | 1.60 | 0.76 | 0.16 | 0.00 | 0.08 | 0.00 | 0.00 | 1.06 | 2.06 |
| | T10CA003 | 1.00 | 0.26 | 0.00 | 0.08 | 0.00 | 0.00 | 1.24 | 2.58 | 1.25 | 0.27 | 0.00 | 0.08 | 0.00 | 0.00 | 1.74 | 3.34 |
| | T10CA004 | 1.08 | 0.28 | 0.00 | 0.08 | 0.00 | 0.00 | 1.35 | 2.79 | 1.35 | 0.29 | 0.00 | 0.08 | 0.00 | 0.00 | 1.90 | 3.62 |
| | T10CA005 | 1.85 | 0.49 | 0.00 | 0.08 | 0.00 | 0.00 | 2.31 | 4.73 | 2.32 | 0.50 | 0.00 | 0.08 | 0.00 | 0.00 | 3.24 | 6.14 |
| | T10CA006 | 1.19 | 0.31 | 0.00 | 0.08 | 0.00 | 0.00 | 1.48 | 3.06 | 1.49 | 0.32 | 0.00 | 0.08 | 0.00 | 0.00 | 2.08 | 3.97 |
| | T10CA007 | 1.21 | 0.32 | 0.00 | 0.08 | 0.00 | 0.00 | 1.51 | 3.12 | 1.51 | 0.33 | 0.00 | 0.08 | 0.00 | 0.00 | 2.12 | 4.04 |
| | T10CA008 | 1.58 | 0.41 | 0.00 | 0.08 | 0.00 | 0.00 | 1.97 | 4.04 | 1.97 | 0.42 | 0.00 | 0.08 | 0.00 | 0.00 | 2.76 | 5.23 |
| | T10CA009 | 1.59 | 0.42 | 0.00 | 0.08 | 0.00 | 0.00 | 1.98 | 4.07 | 1.99 | 0.43 | 0.00 | 0.08 | 0.00 | 0.00 | 2.78 | 5.28 |
| | T10CA010 | 1.77 | 0.46 | 0.00 | 0.08 | 0.00 | 0.00 | 2.20 | 4.51 | 2.21 | 0.48 | 0.00 | 0.08 | 0.00 | 0.00 | 3.09 | 5.86 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID.NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | T10CA011 | 2.01 | 0.53 | 0.00 | 0.08 | 0.00 | 0.00 | 2.51 | 5.13 | 2.52 | 0.54 | 0.00 | 0.08 | 0.00 | 0.00 | 3.52 | 6.66 |
| | T10CA012 | 2.29 | 0.60 | 0.00 | 0.08 | 0.00 | 0.00 | 2.85 | 5.82 | 2.86 | 0.62 | 0.00 | 0.08 | 0.00 | 0.00 | 4.01 | 7.57 |
| | T10CA013 | 2.50 | 0.66 | 0.00 | 0.08 | 0.00 | 0.00 | 3.12 | 6.36 | 3.13 | 0.67 | 0.00 | 0.08 | 0.00 | 0.00 | 4.38 | 8.26 |
| | T10CA014 | 2.38 | 0.62 | 0.00 | 0.08 | 0.00 | 0.00 | 2.96 | 6.04 | 2.98 | 0.64 | 0.00 | 0.08 | 0.00 | 0.00 | 4.17 | 7.87 |
| | T10CA015 | 2.58 | 0.68 | 0.00 | 0.10 | 0.00 | 0.00 | 3.22 | 6.58 | 3.23 | 0.70 | 0.00 | 0.10 | 0.00 | 0.00 | 4.52 | 8.55 |
| | T10CA016 | 3.06 | 0.80 | 0.00 | 0.12 | 0.00 | 0.00 | 3.81 | 7.79 | 3.83 | 0.82 | 0.00 | 0.12 | 0.00 | 0.00 | 5.36 | 10.13 |
| | T10CA017 | 3.24 | 0.85 | 0.00 | 0.13 | 0.00 | 0.00 | 4.03 | 8.25 | 4.05 | 0.87 | 0.00 | 0.13 | 0.00 | 0.00 | 5.67 | 10.72 |
| | T10CA018 | 3.00 | 0.79 | 0.00 | 0.13 | 0.00 | 0.00 | 3.73 | 7.65 | 3.75 | 0.81 | 0.00 | 0.13 | 0.00 | 0.00 | 5.25 | 9.94 |
| | T10CA019 | 0.10 | 0.03 | 0.00 | 0.05 | 0.00 | 0.00 | 0.13 | 0.31 | 0.13 | 0.03 | 0.00 | 0.05 | 0.00 | 0.00 | 0.18 | 0.39 |
| | T10CA020 | 2.43 | 0.64 | 0.00 | 0.15 | 0.00 | 0.00 | 3.02 | 6.24 | 3.04 | 0.65 | 0.00 | 0.15 | 0.00 | 0.00 | 4.25 | 8.09 |
| | T10CA021 | 4.10 | 1.08 | 0.00 | 0.19 | 0.00 | 0.00 | 5.10 | 10.47 | 5.12 | 1.10 | 0.00 | 0.19 | 0.00 | 0.00 | 7.17 | 13.58 |
| | T10CA022 | 4.25 | 1.12 | 0.00 | 0.19 | 0.00 | 0.00 | 5.29 | 10.85 | 5.31 | 1.14 | 0.00 | 0.19 | 0.00 | 0.00 | 7.44 | 14.08 |
| | T10CA023 | 2.75 | 0.72 | 0.00 | 0.20 | 0.00 | 0.00 | 3.42 | 7.09 | 3.43 | 0.74 | 0.00 | 0.20 | 0.00 | 0.00 | 4.81 | 9.18 |
| | T10CA024 | 5.64 | 1.48 | 0.00 | 0.28 | 0.00 | 0.00 | 7.02 | 14.42 | 7.05 | 1.52 | 0.00 | 0.28 | 0.00 | 0.00 | 9.87 | 18.72 |
| | T10CA025 | 6.05 | 1.59 | 0.00 | 0.29 | 0.00 | 0.00 | 7.53 | 15.46 | 7.56 | 1.63 | 0.00 | 0.29 | 0.00 | 0.00 | 10.59 | 20.07 |
| | T10CA026 | 8.06 | 2.11 | 0.00 | 0.40 | 0.00 | 0.00 | 10.03 | 20.60 | 10.07 | 2.17 | 0.00 | 0.40 | 0.00 | 0.00 | 14.10 | 26.74 |
| | T10CA027 | 8.78 | 2.30 | 0.00 | 0.42 | 0.00 | 0.00 | 10.94 | 22.44 | 10.98 | 2.36 | 0.00 | 0.42 | 0.00 | 0.00 | 15.37 | 29.13 |
| | T10ID001 | 1.33 | 0.35 | 0.00 | 0.05 | 0.00 | 0.00 | 1.65 | 3.38 | 1.66 | 0.36 | 0.00 | 0.05 | 0.00 | 0.00 | 2.33 | 4.40 |
| | T10ID002 | 1.50 | 0.39 | 0.00 | 0.05 | 0.00 | 0.00 | 1.87 | 3.81 | 1.88 | 0.40 | 0.00 | 0.05 | 0.00 | 0.00 | 2.63 | 4.96 |
| | T10ID003 | 2.20 | 0.58 | 0.00 | 0.05 | 0.00 | 0.00 | 2.74 | 5.57 | 2.76 | 0.59 | 0.00 | 0.05 | 0.00 | 0.00 | 3.86 | 7.26 |
| | T10ID004 | 2.40 | 0.63 | 0.00 | 0.05 | 0.00 | 0.00 | 2.99 | 6.07 | 3.00 | 0.65 | 0.00 | 0.05 | 0.00 | 0.00 | 4.20 | 7.90 |
| | T10ID005 | 3.07 | 0.80 | 0.00 | 0.10 | 0.00 | 0.00 | 3.82 | 7.79 | 3.83 | 0.82 | 0.00 | 0.10 | 0.00 | 0.00 | 5.37 | 10.12 |
| | T10ID006 | 3.28 | 0.86 | 0.00 | 0.12 | 0.00 | 0.00 | 4.08 | 8.34 | 4.10 | 0.88 | 0.00 | 0.12 | 0.00 | 0.00 | 5.74 | 10.84 |
| | T10ID007 | 3.28 | 0.86 | 0.00 | 0.08 | 0.00 | 0.00 | 4.09 | 8.31 | 4.11 | 0.88 | 0.00 | 0.08 | 0.00 | 0.00 | 5.75 | 10.82 |
| | T10ID008 | 3.68 | 0.97 | 0.00 | 0.13 | 0.00 | 0.00 | 4.58 | 9.36 | 4.60 | 0.99 | 0.00 | 0.13 | 0.00 | 0.00 | 6.44 | 12.16 |
| | T10JD001 | 0.42 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.52 | 1.05 | 0.53 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.74 | 1.38 |
| | T10KM001 | 0.94 | 0.25 | 0.00 | 0.15 | 0.00 | 0.00 | 1.17 | 2.51 | 1.18 | 0.25 | 0.00 | 0.15 | 0.00 | 0.00 | 1.65 | 3.23 |
| | T10KM002 | 0.97 | 0.25 | 0.00 | 0.15 | 0.00 | 0.00 | 1.20 | 2.57 | 1.21 | 0.26 | 0.00 | 0.15 | 0.00 | 0.00 | 1.69 | 3.31 |
| | T10KM003 | 1.02 | 0.27 | 0.00 | 0.15 | 0.00 | 0.00 | 1.27 | 2.71 | 1.28 | 0.27 | 0.00 | 0.15 | 0.00 | 0.00 | 1.79 | 3.49 |
| | T10KM004 | 1.16 | 0.30 | 0.00 | 0.15 | 0.00 | 0.00 | 1.45 | 3.06 | 1.45 | 0.31 | 0.00 | 0.15 | 0.00 | 0.00 | 2.03 | 3.94 |
| | T10KM005 | 1.44 | 0.38 | 0.00 | 0.18 | 0.00 | 0.00 | 1.79 | 3.79 | 1.80 | 0.39 | 0.00 | 0.18 | 0.00 | 0.00 | 2.51 | 4.88 |
| | T10KM006 | 2.02 | 0.53 | 0.00 | 0.18 | 0.00 | 0.00 | 2.52 | 5.25 | 2.53 | 0.54 | 0.00 | 0.18 | 0.00 | 0.00 | 3.54 | 6.79 |
| | T10KM007 | 2.47 | 0.65 | 0.00 | 0.20 | 0.00 | 0.00 | 3.08 | 6.40 | 3.09 | 0.67 | 0.00 | 0.20 | 0.00 | 0.00 | 4.33 | 8.29 |
| | T10KM008 | 2.41 | 0.63 | 0.00 | 0.25 | 0.00 | 0.00 | 3.00 | 6.29 | 3.01 | 0.65 | 0.00 | 0.25 | 0.00 | 0.00 | 4.22 | 8.13 |
| | T10KM009 | 2.86 | 0.75 | 0.00 | 0.35 | 0.00 | 0.00 | 3.56 | 7.52 | 3.58 | 0.77 | 0.00 | 0.35 | 0.00 | 0.00 | 5.01 | 9.71 |
| | T10KM011 | 3.74 | 0.98 | 0.00 | 0.40 | 0.00 | 0.00 | 4.65 | 9.77 | 4.67 | 1.01 | 0.00 | 0.40 | 0.00 | 0.00 | 6.54 | 12.62 |
| | T10KM012 | 4.25 | 1.11 | 0.00 | 0.45 | 0.00 | 0.00 | 5.29 | 11.10 | 5.31 | 1.14 | 0.00 | 0.45 | 0.00 | 0.00 | 7.43 | 14.33 |
| | T10KM013 | 3.84 | 1.01 | 0.00 | 0.40 | 0.00 | 0.00 | 4.78 | 10.03 | 4.80 | 1.03 | 0.00 | 0.40 | 0.00 | 0.00 | 6.71 | 12.94 |
| | T10KM014 | 5.02 | 1.32 | 0.00 | 0.64 | 0.00 | 0.00 | 6.25 | 13.23 | 6.27 | 1.35 | 0.00 | 0.64 | 0.00 | 0.00 | 8.78 | 17.04 |
| | T10KM015 | 3.81 | 1.00 | 0.00 | 0.40 | 0.00 | 0.00 | 4.75 | 9.96 | 4.77 | 1.03 | 0.00 | 0.40 | 0.00 | 0.00 | 6.67 | 12.87 |
| | T10KM016 | 6.26 | 1.64 | 0.00 | 0.70 | 0.00 | 0.00 | 7.80 | 16.40 | 7.83 | 1.69 | 0.00 | 0.70 | 0.00 | 0.00 | 10.96 | 21.18 |
| | T10LE001 | 0.45 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.56 | 1.13 | 0.56 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.79 | 1.47 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | T10LE002 | 0.50 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 1.25 | 0.63 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.88 | 1.64 |
| | T10LE003 | 0.56 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.70 | 1.41 | 0.70 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.98 | 1.83 |
| | T10LE004 | 0.93 | 0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 1.16 | 2.33 | 1.17 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 1.63 | 3.05 |
| | T10LE005 | 1.11 | 0.29 | 0.00 | 0.00 | 0.00 | 0.00 | 1.38 | 2.78 | 1.39 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 1.94 | 3.63 |
| T15 | | | | | | | | | | | | | | | | | |
| | T15CA003 | 4.30 | 1.24 | 2.51 | 1.06 | 0.00 | 0.00 | 8.57 | 17.68 | 5.38 | 1.27 | 3.28 | 1.38 | 0.00 | 0.00 | 11.60 | 22.91 |
| | T15CA004 | 5.51 | 1.59 | 3.56 | 1.50 | 0.00 | 0.00 | 10.98 | 23.14 | 6.89 | 1.63 | 4.65 | 1.96 | 0.00 | 0.00 | 14.87 | 30.00 |
| | T15CA005 | 6.08 | 1.75 | 3.37 | 1.42 | 0.00 | 0.00 | 12.10 | 24.72 | 7.60 | 1.79 | 4.41 | 1.86 | 0.00 | 0.00 | 16.39 | 32.05 |
| | T15CA006 | 8.59 | 2.48 | 4.49 | 1.89 | 0.00 | 0.00 | 17.11 | 34.56 | 10.73 | 2.53 | 5.88 | 2.47 | 0.00 | 0.00 | 23.16 | 44.77 |
| | T15CA007 | 9.78 | 2.82 | 4.68 | 1.97 | 0.00 | 0.00 | 19.48 | 38.73 | 12.23 | 2.89 | 6.12 | 2.58 | 0.00 | 0.00 | 26.38 | 50.20 |
| | T15CA008 | 9.51 | 2.74 | 5.24 | 2.21 | 0.00 | 0.00 | 18.94 | 38.64 | 11.88 | 2.80 | 6.85 | 2.89 | 0.00 | 0.00 | 25.64 | 50.06 |
| | T15CA009 | 10.84 | 3.13 | 6.18 | 2.60 | 0.00 | 0.00 | 21.59 | 44.34 | 13.55 | 3.20 | 8.08 | 3.40 | 0.00 | 0.00 | 29.22 | 57.45 |
| | T15CA010 | 10.82 | 3.12 | 6.18 | 2.60 | 0.00 | 0.00 | 21.56 | 44.28 | 13.53 | 3.19 | 8.08 | 3.40 | 0.00 | 0.00 | 29.18 | 57.38 |
| | T15CA011 | 12.51 | 3.61 | 6.18 | 2.60 | 0.00 | 0.00 | 24.91 | 49.81 | 15.63 | 3.69 | 8.08 | 3.40 | 0.00 | 0.00 | 33.72 | 64.52 |
| | T15CA012 | 15.26 | 4.40 | 7.49 | 3.15 | 0.00 | 0.00 | 30.39 | 60.69 | 19.07 | 4.50 | 9.79 | 4.12 | 0.00 | 0.00 | 41.14 | 78.62 |
| | T15CA013 | 17.54 | 5.06 | 8.05 | 3.39 | 0.00 | 0.00 | 34.94 | 68.98 | 21.93 | 5.17 | 10.53 | 4.43 | 0.00 | 0.00 | 47.30 | 89.36 |
| | T15CA014 | 20.00 | 5.77 | 8.05 | 3.39 | 0.00 | 0.00 | 39.83 | 77.04 | 25.00 | 5.90 | 10.53 | 4.43 | 0.00 | 0.00 | 53.92 | 99.78 |
| | T15CA015 | 25.66 | 6.73 | 12.54 | 4.11 | 0.00 | 0.00 | 39.93 | 88.97 | 32.07 | 6.90 | 16.40 | 5.37 | 0.00 | 0.00 | 54.89 | 115.63 |
| | T15CA016 | 22.66 | 5.94 | 10.67 | 3.50 | 0.00 | 0.00 | 35.26 | 78.03 | 28.32 | 6.10 | 13.95 | 4.57 | 0.00 | 0.00 | 48.47 | 101.41 |
| | T15CA017 | 29.21 | 7.66 | 13.85 | 4.54 | 0.00 | 0.00 | 45.45 | 100.71 | 36.51 | 7.86 | 18.12 | 5.93 | 0.00 | 0.00 | 62.47 | 130.89 |
| | T15CA018 | 34.76 | 9.79 | 19.47 | 5.47 | 0.00 | 0.00 | 55.98 | 125.47 | 41.71 | 9.98 | 25.46 | 7.15 | 0.00 | 0.00 | 73.31 | 157.61 |
| | T15CA019 | 60.22 | 16.96 | 28.83 | 8.10 | 0.00 | 0.00 | 96.99 | 211.10 | 72.26 | 17.28 | 37.70 | 10.59 | 0.00 | 0.00 | 127.02 | 264.85 |
| | T15CS001 | 3.96 | 1.14 | 2.36 | 0.99 | 0.00 | 0.00 | 7.88 | 16.33 | 4.94 | 1.17 | 3.08 | 1.30 | 0.00 | 0.00 | 10.67 | 21.16 |
| | T15CS002 | 5.49 | 1.59 | 3.07 | 1.29 | 0.00 | 0.00 | 10.94 | 22.38 | 6.87 | 1.62 | 4.01 | 1.69 | 0.00 | 0.00 | 14.81 | 29.00 |
| | T15CS003 | 5.74 | 1.66 | 3.07 | 1.29 | 0.00 | 0.00 | 11.42 | 23.18 | 7.17 | 1.69 | 4.01 | 1.69 | 0.00 | 0.00 | 15.47 | 30.03 |
| | T15FI001 | 4.64 | 1.34 | 2.62 | 1.10 | 0.00 | 0.00 | 9.25 | 18.95 | 5.80 | 1.37 | 3.43 | 1.44 | 0.00 | 0.00 | 12.52 | 24.56 |
| | T15FI002 | 5.59 | 1.61 | 3.14 | 1.32 | 0.00 | 0.00 | 11.14 | 22.80 | 6.99 | 1.65 | 4.11 | 1.73 | 0.00 | 0.00 | 15.09 | 29.57 |
| | T15FI003 | 8.07 | 2.33 | 4.01 | 1.69 | 0.00 | 0.00 | 16.07 | 32.17 | 10.09 | 2.38 | 5.24 | 2.21 | 0.00 | 0.00 | 21.76 | 41.68 |
| | T15FI004 | 8.95 | 2.58 | 4.57 | 1.92 | 0.00 | 0.00 | 17.83 | 35.85 | 11.19 | 2.64 | 5.97 | 2.52 | 0.00 | 0.00 | 24.14 | 46.46 |
| | T15FI008 | 19.82 | 5.72 | 8.50 | 3.58 | 0.00 | 0.00 | 39.48 | 77.10 | 24.77 | 5.85 | 11.11 | 4.68 | 0.00 | 0.00 | 53.44 | 99.85 |
| | T15FI010 | 27.14 | 7.12 | 12.73 | 4.17 | 0.00 | 0.00 | 42.24 | 93.40 | 33.93 | 7.30 | 16.65 | 5.45 | 0.00 | 0.00 | 58.06 | 121.39 |
| | T15FI012 | 33.88 | 9.54 | 17.78 | 4.99 | 0.00 | 0.00 | 54.57 | 120.76 | 40.66 | 9.72 | 23.26 | 6.53 | 0.00 | 0.00 | 71.46 | 151.63 |
| | T15FI013 | 41.23 | 11.61 | 19.66 | 5.52 | 0.00 | 0.00 | 66.41 | 144.43 | 49.48 | 11.83 | 25.70 | 7.22 | 0.00 | 0.00 | 86.97 | 181.20 |
| | T15ID001 | 4.58 | 1.32 | 2.62 | 1.10 | 0.00 | 0.00 | 9.12 | 18.74 | 5.72 | 1.35 | 3.43 | 1.44 | 0.00 | 0.00 | 12.34 | 24.28 |
| | T15ID002 | 5.90 | 1.70 | 3.00 | 1.26 | 0.00 | 0.00 | 11.74 | 23.60 | 7.37 | 1.74 | 3.92 | 1.65 | 0.00 | 0.00 | 15.90 | 30.58 |
| | T15ID003 | 8.25 | 2.38 | 4.12 | 1.73 | 0.00 | 0.00 | 16.44 | 32.92 | 10.32 | 2.43 | 5.39 | 2 27 | 0.00 | 0.00 | 22.26 | 42.67 |
| | T15ID004 | 10.05 | 2.90 | 5.24 | 2.21 | 0.00 | 0.00 | 20.01 | 40.41 | 12.56 | 2.96 | 6.85 | 2.89 | 0.00 | 0.00 | 27.09 | 52.35 |
| | T15ID005 | 16.84 | 4.86 | 8.42 | 3.55 | 0.00 | 0.00 | 33.54 | 67.21 | 21.04 | 4.97 | 11.02 | 4.64 | 0.00 | 0.00 | 45.40 | 87.07 |
| | T15ID006 | 23.73 | 6.23 | 11.98 | 3.92 | 0.00 | 0.00 | 36.93 | 82.79 | 29.66 | 6.38 | 15.67 | 5.13 | 0.00 | 0.00 | 50.75 | 107.59 |
| | T15ID008 | 33.00 | 9.29 | 19.47 | 5.47 | 0.00 | 0.00 | 53.15 | 120.38 | 39.60 | 9.47 | 25.46 | 7.15 | 0.00 | 0.00 | 69.61 | 151.29 |
| | T15JD001 | 3.70 | 1.07 | 2.25 | 0.95 | 0.00 | 0.00 | 7.36 | 15.33 | 4.62 | 1.09 | 2.94 | 1.24 | 0.00 | 0.00 | 9.97 | 19.86 |
| | T15JD002 | 4.15 | 1.20 | 2.62 | 1.10 | 0.00 | 0.00 | 8.26 | 17.33 | 5.19 | 1.22 | 3.43 | 1.44 | 0.00 | 0.00 | 11.19 | 22.47 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | T15JD003 | 4.78 | 1.38 | 3.00 | 1.26 | 0.00 | 0.00 | 9.53 | 19.95 | 5.98 | 1.41 | 3.92 | 1.65 | 0.00 | 0.00 | 12.90 | 25.86 |
| | T15JD004 | 5.38 | 1.55 | 3.37 | 1.42 | 0.00 | 0.00 | 10.71 | 22.43 | 6.72 | 1.59 | 4.41 | 1.86 | 0.00 | 0.00 | 14.50 | 29.08 |
| | T15JD005 | 7.94 | 2.29 | 4.49 | 1.89 | 0.00 | 0.00 | 15.83 | 32.44 | 9.93 | 2.34 | 5.88 | 2.47 | 0.00 | 0.00 | 21.42 | 42.04 |
| | T15JD006 | 8.14 | 2.35 | 4.49 | 1.89 | 0.00 | 0.00 | 16.21 | 33.08 | 10.17 | 2.40 | 5.88 | 2.47 | 0.00 | 0.00 | 21.94 | 42.86 |
| | T15JD007 | 10.50 | 3.03 | 6.18 | 2.60 | 0.00 | 0.00 | 20.92 | 43.23 | 13.13 | 3.10 | 8.08 | 3.40 | 0.00 | 0.00 | 28.32 | 56.03 |
| | T15JD008 | 12.40 | 3.58 | 6.18 | 2.60 | 0.00 | 0.00 | 24.71 | 49.47 | 15.50 | 3.66 | 8.08 | 3.40 | 0.00 | 0.00 | 33.45 | 64.09 |
| | T15KM001 | 4.47 | 1.29 | 2.62 | 1.10 | 0.00 | 0.00 | 8.89 | 18.37 | 5.58 | 1.32 | 3.43 | 1.44 | 0.00 | 0.00 | 12.04 | 23.81 |
| | T15KM002 | 4.97 | 1.44 | 2.81 | 1.18 | 0.00 | 0.00 | 9.91 | 20.31 | 6.22 | 1.47 | 3.67 | 1.55 | 0.00 | 0.00 | 13.41 | 26.32 |
| | T15KM003 | 9.08 | 2.62 | 4.87 | 2.05 | 0.00 | 0.00 | 18.08 | 36.70 | 11.35 | 2.68 | 6.36 | 2.68 | 0.00 | 0.00 | 24.48 | 47.55 |
| | T15KM004 | 11.53 | 3.33 | 5.24 | 2.21 | 0.00 | 0.00 | 22.96 | 45.27 | 14.41 | 3.40 | 6.85 | 2.89 | 0.00 | 0.00 | 31.09 | 58.64 |
| | T15KM005 | 13.22 | 3.82 | 6.74 | 2.84 | 0.00 | 0.00 | 26.33 | 52.95 | 16.52 | 3.90 | 8.81 | 3.71 | 0.00 | 0.00 | 35.65 | 68.59 |
| | T15KM006 | 17.85 | 5.15 | 7.68 | 3.23 | 0.00 | 0.00 | 35.56 | 69.47 | 22.31 | 5.27 | 10.04 | 4.23 | 0.00 | 0.00 | 48.13 | 89.98 |
| | T15KM007 | 19.35 | 5.59 | 8.42 | 3.55 | 0.00 | 0.00 | 38.54 | 75.45 | 24.19 | 5.71 | 11.02 | 4.64 | 0.00 | 0.00 | 52.18 | 97.74 |
| | T15KM008 | 26.15 | 6.86 | 11.98 | 3.92 | 0.00 | 0.00 | 40.70 | 89.61 | 32.69 | 7.04 | 15.67 | 5.13 | 0.00 | 0.00 | 55.94 | 116.47 |
| | T15KM009 | 34.86 | 9.15 | 15.13 | 4.96 | 0.00 | 0.00 | 54.25 | 118.35 | 43.57 | 9.38 | 19.78 | 6.48 | 0.00 | 0.00 | 74.56 | 153.77 |
| | T15KM010 | 38.57 | 10.86 | 19.66 | 5.52 | 0.00 | 0.00 | 62.13 | 136.74 | 46.29 | 11.07 | 25.70 | 7.22 | 0.00 | 0.00 | 81.36 | 171.64 |
| | T15KM011 | 64.48 | 18.16 | 28.83 | 8.10 | 0.00 | 0.00 | 103.86 | 223.43 | 77.38 | 18.50 | 37.70 | 10.59 | 0.00 | 0.00 | 136.01 | 280.18 |
| T20 | | | | | | | | | | | | | | | | | |
| | T20CA001 | 18.83 | 4.69 | 7.26 | 2.38 | 3.17 | 0.56 | 16.25 | 53.14 | 23.53 | 4.83 | 9.48 | 3.10 | 6.65 | 1.17 | 21.98 | 70.74 |
| | T20CA002 | 25.83 | 6.67 | 10.71 | 3.51 | 8.26 | 1.45 | 22.42 | 78.85 | 32.28 | 6.86 | 13.99 | 4.58 | 17.30 | 3.04 | 30.33 | 108.38 |
| | T20CA003 | 38.11 | 9.95 | 15.55 | 5.09 | 9.88 | 1.73 | 33.13 | 113.44 | 47.64 | 10.23 | 20.30 | 6.65 | 20.70 | 3.63 | 44.83 | 153.98 |
| | T20MC001 | 28.91 | 7.45 | 11.58 | 3.79 | 7.12 | 1.25 | 25.09 | 85.19 | 36.14 | 7.66 | 15.12 | 4.95 | 14.46 | 2.54 | 33.94 | 114.81 |
| | T20MC002 | 48.07 | 13.54 | 19.77 | 6.48 | 19.35 | 3.40 | 42.32 | 152.93 | 60.09 | 13.91 | 25.81 | 8.45 | 39.28 | 6.89 | 57.26 | 211.69 |
| T25 | | | | | | | | | | | | | | | | | |
| | T25JD001 | 1.80 | 0.39 | 1.83 | 0.60 | 0.47 | 0.08 | 1.82 | 6.99 | | | | | | | | |
| | T25JD002 | 1.99 | 0.42 | 2.21 | 0.72 | 0.42 | 0.07 | 2.02 | 7.85 | | | | | | | | |
| | T25JD003 | 2.26 | 0.47 | 2.49 | 0.82 | 0.42 | 0.07 | 2.28 | 8.81 | | | | | | | | |
| | T25JD004 | 2.55 | 0.53 | 3.01 | 0.99 | 0.35 | 0.06 | 2.57 | 10.06 | | | | | | | | |
| T30 | | | | | | | | | | | | | | | | | |
| | T30DW001 | 0.34 | 0.08 | 0.92 | 0.30 | 0.04 | 0.01 | 0.48 | 2.17 | 0.42 | 0.08 | 1.21 | 0.40 | 0.05 | 0.01 | 0.65 | 2.82 |
| | T30DW002 | 1.45 | 0.32 | 2.05 | 0.67 | 0.05 | 0.01 | 2.00 | 6.55 | 1.79 | 0.33 | 2.69 | 0.88 | 0.08 | 0.01 | 2.74 | 8.52 |
| | T30DW003 | 3.17 | 0.69 | 2.87 | 0.94 | 0.08 | 0.01 | 4.37 | 12.13 | 3.91 | 0.71 | 3.77 | 1.24 | 0.11 | 0.02 | 5.98 | 15.74 |
| | T30DW004 | 1.83 | 0.40 | 3.08 | 1.01 | 0.08 | 0.01 | 2.53 | 8.94 | 2.25 | 0.41 | 4.04 | 1.32 | 0.11 | 0.02 | 3.45 | 11.60 |
| | T30DW005 | 2.55 | 0.56 | 1.49 | 0.49 | 0.08 | 0.01 | 3.51 | 8.69 | 3.14 | 0.57 | 1.94 | 0.64 | 0.11 | 0.02 | 4.80 | 11.22 |
| | T30DW006 | 3.91 | 0.87 | 2.00 | 0.66 | 0.28 | 0.05 | 5.41 | 13.18 | 4.81 | 0.90 | 2.62 | 0.86 | 0.40 | 0.07 | 7.40 | 17.06 |
| | T30DW007 | 4.17 | 0.93 | 2.21 | 0.72 | 0.28 | 0.05 | 5.77 | 14.13 | 5.13 | 0.95 | 2.89 | 0.95 | 0.40 | 0.07 | 7.88 | 18.27 |
| | T30DW008 | 4.96 | 1.10 | 2.21 | 0.72 | 0.28 | 0.05 | 6.85 | 16.17 | 6.10 | 1.13 | 2.89 | 0.95 | 0.40 | 0.07 | 9.37 | 20.91 |
| | T30DW009 | 5.30 | 1.17 | 2.56 | 0.84 | 0.28 | 0.05 | 7.32 | 17.52 | 6.53 | 1.20 | 3.34 | 1.09 | 0.40 | 0.07 | 10.01 | 22.64 |
| | T30VE001 | 0.78 | 0.17 | 1.85 | 0.60 | 0.00 | 0.00 | 1.07 | 4.47 | 0.95 | 0.17 | 2.42 | 0.79 | 0.00 | 0.00 | 1.46 | 5.79 |
| | T30VE002 | 2.46 | 0.55 | 1.21 | 0.40 | 0.20 | 0.04 | 3.42 | 8.28 | 3.03 | 0.57 | 1.58 | 0.52 | 0.27 | 0.05 | 4.67 | 10.69 |
| | T30VE003 | 4.27 | 0.95 | 1.87 | 0.61 | 0.25 | 0.04 | 5.90 | 13.89 | 5.26 | 0.98 | 2.44 | 0.80 | 0.32 | 0.06 | 8.07 | 17.93 |
| | T30VE004 | 4.88 | 1.08 | 1.83 | 0.60 | 0.25 | 0.04 | 6.75 | 15.43 | 6.01 | 1.11 | 2.39 | 0.78 | 0.32 | 0.06 | 9.23 | 19.90 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | T30VE005 | 9.73 | 2.10 | 3.91 | 1.28 | 0.00 | 0.00 | 13.37 | 30.39 | 11.98 | 2.15 | 5.10 | 1.67 | 0.00 | 0.00 | 18.28 | 39.18 |
| | T30VE006 | 18.49 | 3.98 | 6.05 | 1.98 | 0.00 | 0.00 | 25.40 | 55.90 | 22.75 | 4.09 | 7.90 | 2.59 | 0.00 | 0.00 | 34.73 | 72.06 |
| T35 | | | | | | | | | | | | | | | | | |
| | T35BG001 | 12.83 | 3.37 | 3.46 | 1.13 | 0.00 | 0.00 | 17.63 | 38.42 | 16.04 | 3.45 | 4.51 | 1.48 | 0.00 | 0.00 | 24.48 | 49.96 |
| | T35BG002 | 19.36 | 5.08 | 5.53 | 1.81 | 0.00 | 0.00 | 26.60 | 58.38 | 24.20 | 5.21 | 7.22 | 2.37 | 0.00 | 0.00 | 36.94 | 75.94 |
| | T35BG003 | 25.58 | 6.71 | 5.53 | 1.81 | 0.00 | 0.00 | 35.14 | 74.77 | 31.97 | 6.88 | 7.22 | 2.37 | 0.00 | 0.00 | 48.80 | 97.24 |
| | T35CT002 | 20.47 | 5.37 | 4.84 | 1.59 | 0.00 | 0.00 | 28.11 | 60.38 | 25.58 | 5.51 | 6.32 | 2.07 | 0.00 | 0.00 | 39.04 | 78.52 |
| | T35CT003 | 22.98 | 6.03 | 6.39 | 2.09 | 0.00 | 0.00 | 31.57 | 69.06 | 28.72 | 6.18 | 8.35 | 2.73 | 0.00 | 0.00 | 43.84 | 89.82 |
| | T35CT004 | 21.66 | 5.68 | 3.53 | 1.15 | 0.00 | 0.00 | 29.76 | 61.78 | 27.08 | 5.83 | 4.60 | 1.51 | 0.00 | 0.00 | 41.33 | 80.35 |
| | T35CT007 | 22.68 | 5.95 | 3.53 | 1.15 | 0.00 | 0.00 | 31.15 | 64.46 | 28.34 | 6.10 | 4.60 | 1.51 | 0.00 | 0.00 | 43.26 | 83.81 |
| | T35CT009 | 34.64 | 9.09 | 5.18 | 1.70 | 0.00 | 0.00 | 47.58 | 98.19 | 43.30 | 9.32 | 6.77 | 2.22 | 0.00 | 0.00 | 66.08 | 127.69 |
| | T35CT011 | 41.10 | 10.78 | 6.05 | 1.98 | 0.00 | 0.00 | 56.46 | 116.37 | 51.37 | 11.06 | 7.90 | 2.59 | 0.00 | 0.00 | 78.41 | 151.33 |
| T40 | | | | | | | | | | | | | | | | | |
| | T40WL001 | 9.88 | 2.13 | 4.84 | 1.81 | 0.00 | 0.00 | 10.73 | 29.39 | | | | | | | | |
| | T40XX001 | 3.25 | 0.70 | 0.00 | 0.20 | 0.00 | 0.00 | 4.03 | 8.18 | | | | | | | | |
| | T40XX002 | 5.15 | 1.11 | 0.00 | 0.25 | 0.00 | 0.00 | 6.40 | 12.91 | | | | | | | | |
| | T40XX003 | 5.40 | 1.16 | 0.00 | 0.25 | 0.00 | 0.00 | 6.71 | 13.52 | | | | | | | | |
| | T40XX004 | 6.10 | 1.31 | 0.00 | 0.30 | 0.00 | 0.00 | 7.57 | 15.28 | | | | | | | | |
| | T40XX005 | 7.30 | 1.57 | 0.00 | 0.35 | 0.00 | 0.00 | 9.06 | 18.28 | | | | | | | | |
| | T40XX006 | 8.63 | 1.86 | 0.00 | 0.40 | 0.00 | 0.00 | 10.71 | 21.60 | | | | | | | | |
| | T40XX007 | 0.78 | 0.17 | 0.00 | 0.09 | 0.00 | 0.00 | 0.85 | 1.89 | 0.96 | 0.17 | 0.00 | 0.09 | 0.00 | 0.00 | 1.19 | 2.41 |
| | T40XX008 | 1.24 | 0.27 | 0.00 | 0.09 | 0.00 | 0.00 | 1.34 | 2.94 | 1.52 | 0.27 | 0.00 | 0.09 | 0.00 | 0.00 | 1.89 | 3.77 |
| | T40XX009 | 1.25 | 0.27 | 0.00 | 0.09 | 0.00 | 0.00 | 1.36 | 2.97 | 1.54 | 0.28 | 0.00 | 0.09 | 0.00 | 0.00 | 1.91 | 3.82 |
| | T40XX010 | 1.27 | 0.27 | 0.00 | 0.09 | 0.00 | 0.00 | 1.38 | 3.01 | 1.56 | 0.28 | 0.00 | 0.09 | 0.00 | 0.00 | 1.94 | 3.87 |
| | T40XX011 | 0.26 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.24 | 0.55 | | | | | | | | |
| | T40XX012 | 0.26 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.57 | | | | | | | | |
| | T40XX013 | 0.28 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.26 | 0.60 | | | | | | | | |
| | T40XX014 | 0.30 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.28 | 0.64 | | | | | | | | |
| | T40XX015 | 0.32 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.69 | | | | | | | | |
| | T40XX016 | 0.36 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.77 | | | | | | | | |
| | T40XX017 | 0.38 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.36 | 0.82 | | | | | | | | |
| | T40XX018 | 0.41 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.88 | | | | | | | | |
| | T40XX019 | 0.44 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.94 | | | | | | | | |
| | T40XX020 | 0.46 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.43 | 0.99 | | | | | | | | |
| | T40XX021 | 0.41 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.88 | | | | | | | | |
| | T40XX022 | 0.48 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 1.02 | | | | | | | | |
| | T40XX023 | 0.29 | 0.06 | 0.00 | 0.09 | 0.00 | 0.00 | 0.31 | 0.75 | | | | | | | | |
| | T40XX024 | 0.34 | 0.07 | 0.00 | 0.09 | 0.00 | 0.00 | 0.37 | 0.87 | | | | | | | | |
| | T40XX025 | 0.93 | 0.20 | 0.00 | 0.09 | 0.00 | 0.00 | 1.01 | 2.23 | | | | | | | | |
| | T40XX026 | 1.04 | 0.22 | 0.00 | 0.09 | 0.00 | 0.00 | 1.13 | 2.48 | | | | | | | | |
| | T40XX027 | 3.49 | 0.69 | 0.00 | 0.13 | 0.00 | 0.00 | 3.57 | 7.88 | | | | | | | | |
| | T40XX028 | 3.55 | 0.70 | 0.00 | 0.13 | 0.00 | 0.00 | 3.63 | 8.01 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | T40XX029 | 3.59 | 0.71 | 0.00 | 0.13 | 0.00 | 0.00 | 3.67 | 8.10 | | | | | | | | |
| | T40XX030 | 3.65 | 0.72 | 0.00 | 0.13 | 0.00 | 0.00 | 3.73 | 8.23 | | | | | | | | |
| | T40XX031 | 1.48 | 0.32 | 0.00 | 0.00 | 0.00 | 0.00 | 1.37 | 3.17 | | | | | | | | |
| | T40XX032 | 1.56 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | 3.35 | | | | | | | | |
| | T40XX033 | 1.66 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | 3.57 | | | | | | | | |
| T45 | | | | | | | | | | | | | | | | | |
| | T45HA001 | 2.19 | 0.59 | 0.00 | 0.50 | 0.14 | 0.02 | 2.74 | 6.18 | | | | | | | | |
| | T45HA002 | 2.66 | 0.71 | 0.00 | 0.60 | 0.14 | 0.02 | 3.32 | 7.45 | | | | | | | | |
| | T45HA003 | 3.55 | 0.94 | 0.00 | 0.70 | 0.18 | 0.03 | 4.44 | 9.84 | | | | | | | | |
| | T45WR001 | 2.53 | 0.88 | 0.00 | 0.00 | 0.64 | 0.11 | 3.22 | 7.38 | | | | | | | | |
| | T45WR002 | 3.55 | 1.21 | 0.00 | 0.00 | 0.64 | 0.11 | 4.49 | 10.00 | | | | | | | | |
| | T45WR003 | 3.13 | 1.07 | 0.00 | 0.00 | 0.64 | 0.11 | 3.98 | 8.93 | | | | | | | | |
| | T45WR004 | 3.26 | 1.12 | 0.00 | 0.00 | 0.64 | 0.11 | 4.14 | 9.27 | | | | | | | | |
| | T45WR005 | 2.72 | 0.94 | 0.00 | 0.00 | 0.64 | 0.11 | 3.46 | 7.87 | | | | | | | | |
| | T45XX001 | 2.58 | 0.67 | 0.00 | 0.09 | 0.64 | 0.11 | 2.68 | 6.77 | 3.23 | 0.69 | 0.00 | 0.09 | 0.77 | 0.14 | 3.82 | 8.74 |
| | T45XX002 | 3.10 | 0.80 | 0.00 | 0.09 | 0.64 | 0.11 | 3.21 | 7.95 | 3.87 | 0.82 | 0.00 | 0.09 | 0.77 | 0.14 | 4.58 | 10.27 |
| | T45XX003 | 3.16 | 0.81 | 0.00 | 0.09 | 0.64 | 0.11 | 3.27 | 8.08 | 3.95 | 0.83 | 0.00 | 0.09 | 0.77 | 0.14 | 4.66 | 10.44 |
| | T45XX004 | 3.69 | 0.96 | 0.00 | 0.09 | 0.90 | 0.16 | 3.83 | 9.63 | 4.62 | 0.99 | 0.00 | 0.09 | 1.09 | 0.19 | 5.47 | 12.45 |
| | T45XX005 | 4.51 | 1.13 | 0.00 | 0.09 | 0.53 | 0.09 | 4.64 | 10.99 | 5.63 | 1.16 | 0.00 | 0.09 | 0.64 | 0.11 | 6.62 | 14.25 |
| | T45XX006 | 8.46 | 2.35 | 0.00 | 0.09 | 3.63 | 0.64 | 8.86 | 24.03 | 10.58 | 2.41 | 0.00 | 0.09 | 4.37 | 0.77 | 12.65 | 30.87 |
| | T45XX007 | 10.49 | 2.83 | 0.00 | 0.09 | 3.63 | 0.64 | 10.93 | 28.61 | 13.12 | 2.91 | 0.00 | 0.09 | 4.37 | 0.77 | 15.62 | 36.88 |
| | T45XX008 | 3.48 | 0.89 | 0.00 | 0.09 | 0.64 | 0.11 | 3.34 | 8.55 | 4.35 | 0.91 | 0.00 | 0.09 | 0.77 | 0.14 | 4.81 | 11.07 |
| | T45XX009 | 2.46 | 0.54 | 0.00 | 0.11 | 0.64 | 0.11 | 2.20 | 6.06 | | | | | | | | |
| | T45XX010 | 2.48 | 0.55 | 0.00 | 0.11 | 0.64 | 0.11 | 2.21 | 6.10 | | | | | | | | |
| | T45XX011 | 1.59 | 0.57 | 0.00 | 0.09 | 0.57 | 0.10 | 1.47 | 4.39 | | | | | | | | |
| | T45XX012 | 1.78 | 0.64 | 0.00 | 0.09 | 0.62 | 0.11 | 1.64 | 4.88 | | | | | | | | |
| | T45XX013 | 1.96 | 0.70 | 0.00 | 0.09 | 0.64 | 0.11 | 1.80 | 5.30 | | | | | | | | |
| | T45XX014 | 2.22 | 0.81 | 0.00 | 0.13 | 0.86 | 0.15 | 2.06 | 6.23 | | | | | | | | |
| | T45XX015 | 2.31 | 0.85 | 0.00 | 0.13 | 0.93 | 0.16 | 2.14 | 6.52 | | | | | | | | |
| | T45XX016 | 2.70 | 0.97 | 0.00 | 0.13 | 0.96 | 0.17 | 2.49 | 7.42 | | | | | | | | |
| | T45XX017 | 2.83 | 1.06 | 0.00 | 0.13 | 1.30 | 0.23 | 2.64 | 8.19 | | | | | | | | |
| | T45XX018 | 3.53 | 1.28 | 0.00 | 0.13 | 1.30 | 0.23 | 3.26 | 9.73 | | | | | | | | |
| | T45XX019 | 3.66 | 1.32 | 0.00 | 0.13 | 1.30 | 0.23 | 3.38 | 10.02 | | | | | | | | |
| | T45XX020 | 4.23 | 1.50 | 0.00 | 0.17 | 1.28 | 0.22 | 3.88 | 11.28 | | | | | | | | |
| | T45XX021 | 4.50 | 1.62 | 0.00 | 0.17 | 1.56 | 0.27 | 4.15 | 12.27 | | | | | | | | |
| | T45XX022 | 4.97 | 1.79 | 0.00 | 0.17 | 1.74 | 0.31 | 4.58 | 13.56 | | | | | | | | |
| | T45XX023 | 5.59 | 2.08 | 0.00 | 0.17 | 2.47 | 0.43 | 5.21 | 15.95 | | | | | | | | |
| | T45XX024 | 1.31 | 0.49 | 0.00 | 0.09 | 0.64 | 0.11 | 1.22 | 3.86 | | | | | | | | |
| | T45XX025 | 1.28 | 0.48 | 0.00 | 0.09 | 0.64 | 0.11 | 1.20 | 3.80 | | | | | | | | |
| | T45XX026 | 0.85 | 0.31 | 0.00 | 0.10 | 0.36 | 0.06 | 0.79 | 2.47 | | | | | | | | |
| | T45XX027 | 0.92 | 0.36 | 0.00 | 0.10 | 0.54 | 0.09 | 0.87 | 2.88 | | | | | | | | |
| | T45XX028 | 1.00 | 0.39 | 0.00 | 0.10 | 0.58 | 0.10 | 0.95 | 3.12 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | T45XX029 | 2.64 | 0.88 | 2.18 | 0.61 | 0.32 | 0.06 | 2.84 | 9.53 | | | | | | | | |
| | T45XX030 | 2.70 | 0.94 | 2.18 | 0.61 | 0.64 | 0.11 | 2.95 | 10.13 | | | | | | | | |
| | T45XX031 | 2.83 | 0.98 | 2.18 | 0.61 | 0.64 | 0.11 | 3.09 | 10.44 | | | | | | | | |
| T50 | | | | | | | | | | | | | | | | | |
| | T50FO001 | 1.26 | 0.28 | 3.35 | 1.10 | 0.19 | 0.03 | 1.49 | 7.70 | 1.61 | 0.29 | 4.40 | 1.44 | 0.23 | 0.04 | 2.03 | 10.04 |
| | T50FO002 | 1.49 | 0.32 | 3.35 | 1.10 | 0.22 | 0.04 | 1.75 | 8.27 | 1.89 | 0.33 | 4.40 | 1.44 | 0.29 | 0.05 | 2.38 | 10.78 |
| | T50FO003 | 1.37 | 0.30 | 3.35 | 1.10 | 0.25 | 0.04 | 1.62 | 8.03 | 1.74 | 0.31 | 4.40 | 1.44 | 0.31 | 0.05 | 2.20 | 10.45 |
| | T50FO004 | 1.68 | 0.37 | 3.35 | 1.10 | 0.30 | 0.05 | 1.98 | 8.83 | 2.14 | 0.38 | 4.40 | 1.44 | 0.39 | 0.07 | 2.70 | 11.52 |
| | T50FO005 | 1.58 | 0.35 | 3.35 | 1.10 | 0.40 | 0.07 | 1.87 | 8.72 | 2.01 | 0.37 | 4.40 | 1.44 | 0.51 | 0.09 | 2.55 | 11.37 |
| | T50FO006 | 2.48 | 0.62 | 9.03 | 3.17 | 0.51 | 0.09 | 2.72 | 18.62 | 3.05 | 0.64 | 12.04 | 4.23 | 0.65 | 0.11 | 3.61 | 24.33 |
| | T50FO007 | 2.68 | 0.67 | 6.35 | 1.93 | 0.51 | 0.09 | 2.94 | 15.17 | 3.30 | 0.69 | 8.25 | 2.51 | 0.65 | 0.11 | 3.90 | 19.41 |
| | T50FO008 | 2.68 | 0.67 | 9.03 | 3.17 | 0.51 | 0.09 | 2.94 | 19.09 | 3.30 | 0.69 | 12.04 | 4.23 | 0.65 | 0.11 | 3.90 | 24.92 |
| | T50FO009 | 3.12 | 0.77 | 6.35 | 1.93 | 0.51 | 0.09 | 3.41 | 16.18 | 3.84 | 0.79 | 8.25 | 2.51 | 0.65 | 0.11 | 4.53 | 20.68 |
| | T50FO010 | 2.89 | 0.72 | 11.73 | 4.12 | 0.59 | 0.10 | 3.17 | 23.32 | 3.55 | 0.74 | 15.64 | 5.49 | 0.74 | 0.13 | 4.20 | 30.49 |
| | T50FO011 | 3.37 | 0.87 | 6.26 | 1.90 | 1.01 | 0.18 | 3.72 | 17.31 | 4.15 | 0.89 | 8.14 | 2.47 | 1.29 | 0.23 | 4.94 | 22.11 |
| | T50FO012 | 5.08 | 1.16 | 16.95 | 6.34 | 1.03 | 0.18 | 5.21 | 35.95 | 6.25 | 1.19 | 21.83 | 8.17 | 1.33 | 0.23 | 7.40 | 46.40 |
| | T50FO013 | 6.67 | 1.51 | 10.01 | 3.28 | 1.26 | 0.22 | 6.84 | 29.79 | 8.21 | 1.56 | 12.87 | 4.22 | 1.63 | 0.29 | 9.71 | 38.49 |
| | T50FO014 | 7.08 | 1.61 | 10.01 | 3.28 | 1.31 | 0.23 | 7.25 | 30.77 | 8.71 | 1.65 | 12.87 | 4.22 | 1.68 | 0.29 | 10.30 | 39.72 |
| | T50FO015 | 6.56 | 1.49 | 10.01 | 3.28 | 1.31 | 0.23 | 6.73 | 29.61 | 8.08 | 1.54 | 12.87 | 4.22 | 1.68 | 0.29 | 9.56 | 38.24 |
| | T50FO016 | 5.89 | 1.35 | 8.97 | 2.94 | 1.31 | 0.23 | 6.05 | 26.74 | 7.25 | 1.39 | 11.53 | 3.78 | 1.68 | 0.29 | 8.59 | 34.51 |
| | T50FO017 | 9.15 | 2.08 | 12.52 | 4.10 | 1.77 | 0.31 | 9.38 | 39.31 | 11.26 | 2.14 | 16.09 | 5.27 | 2.29 | 0.40 | 13.32 | 50.77 |
| | T50FO018 | 9.65 | 2.20 | 10.01 | 3.28 | 1.90 | 0.33 | 9.89 | 37.26 | 11.87 | 2.26 | 12.87 | 4.22 | 2.44 | 0.43 | 14.05 | 48.14 |
| | T50FO019 | 8.95 | 2.05 | 14.60 | 4.78 | 1.90 | 0.33 | 9.19 | 41.80 | 11.02 | 2.10 | 18.77 | 6.15 | 2.44 | 0.43 | 13.05 | 53.96 |
| | T50FO020 | 10.71 | 2.40 | 16.69 | 5.47 | 1.58 | 0.28 | 10.95 | 48.08 | 13.18 | 2.47 | 21.46 | 7.03 | 2.04 | 0.36 | 15.56 | 62.10 |
| | T50GM001 | 1.03 | 0.23 | 2.25 | 0.74 | 0.20 | 0.04 | 1.21 | 5.70 | 1.31 | 0.23 | 2.96 | 0.97 | 0.25 | 0.04 | 1.65 | 7.41 |
| | T50GM002 | 1.23 | 0.27 | 2.25 | 0.74 | 0.20 | 0.04 | 1.45 | 6.18 | 1.57 | 0.28 | 2.96 | 0.97 | 0.25 | 0.04 | 1.98 | 8.05 |
| | T50GM003 | 1.22 | 0.27 | 3.67 | 1.20 | 0.20 | 0.04 | 1.44 | 8.04 | 1.55 | 0.28 | 4.82 | 1.58 | 0.25 | 0.04 | 1.96 | 10.48 |
| | T50GM004 | 1.73 | 0.37 | 4.04 | 1.32 | 0.20 | 0.04 | 2.03 | 9.73 | 2.20 | 0.39 | 5.30 | 1.74 | 0.25 | 0.04 | 2.77 | 12.69 |
| | T50GM005 | 1.92 | 0.41 | 4.04 | 1.32 | 0.23 | 0.04 | 2.25 | 10.21 | 2.44 | 0.43 | 5.30 | 1.74 | 0.30 | 0.05 | 3.07 | 13.33 |
| | T50GM006 | 1.36 | 0.30 | 6.00 | 1.96 | 0.23 | 0.04 | 1.60 | 11.49 | 1.72 | 0.31 | 7.87 | 2.58 | 0.29 | 0.05 | 2.18 | 15.00 |
| | T50GM007 | 1.58 | 0.35 | 6.00 | 1.96 | 0.27 | 0.05 | 1.86 | 12.07 | 2.01 | 0.36 | 7.87 | 2.58 | 0.35 | 0.06 | 2.54 | 15.77 |
| | T50GM008 | 1.43 | 0.31 | 6.00 | 1.96 | 0.23 | 0.04 | 1.68 | 11.65 | 1.81 | 0.32 | 7.87 | 2.58 | 0.29 | 0.05 | 2.29 | 15.21 |
| | T50GM009 | 1.66 | 0.36 | 6.00 | 1.96 | 0.27 | 0.05 | 1.95 | 12.25 | 2.11 | 0.37 | 7.87 | 2.58 | 0.35 | 0.06 | 2.66 | 16.00 |
| | T50GM010 | 2.11 | 0.53 | 8.98 | 3.15 | 0.51 | 0.09 | 2.32 | 17.69 | 2.60 | 0.55 | 11.97 | 4.20 | 0.65 | 0.11 | 3.08 | 23.16 |
| | T50GM011 | 2.50 | 0.63 | 8.98 | 3.15 | 0.51 | 0.09 | 2.75 | 18.61 | 3.08 | 0.64 | 11.97 | 4.20 | 0.65 | 0.11 | 3.65 | 24.30 |
| | T50GM012 | 2.79 | 0.70 | 5.07 | 1.54 | 0.51 | 0.09 | 3.06 | 13.76 | 3.44 | 0.71 | 6.59 | 2.00 | 0.65 | 0.11 | 4.06 | 17.56 |
| | T50GM013 | 2.49 | 0.63 | 11.02 | 3.87 | 0.59 | 0.10 | 2.74 | 21.44 | 3.06 | 0.65 | 14.69 | 5.16 | 0.74 | 0.13 | 3.63 | 28.06 |
| | T50GM014 | 2.84 | 0.72 | 5.07 | 1.54 | 0.74 | 0.13 | 3.13 | 14.17 | 3.49 | 0.74 | 6.59 | 2.00 | 0.94 | 0.16 | 4.15 | 18.07 |
| | T50GM015 | 3.90 | 0.92 | 15.91 | 5.96 | 1.29 | 0.23 | 4.03 | 32.24 | 4.81 | 0.95 | 20.50 | 7.68 | 1.67 | 0.29 | 5.73 | 41.63 |
| | T50GM016 | 4.43 | 1.03 | 8.55 | 2.80 | 1.29 | 0.23 | 4.56 | 22.89 | 5.45 | 1.06 | 11.00 | 3.60 | 1.67 | 0.29 | 6.48 | 29.55 |
| | T50IT001 | 2.06 | 0.51 | 4.62 | 1.41 | 0.32 | 0.06 | 2.25 | 11.23 | 2.53 | 0.52 | 6.00 | 1.83 | 0.41 | 0.07 | 2.99 | 14.35 |
| | T50IT002 | 2.45 | 0.60 | 4.92 | 1.50 | 0.32 | 0.06 | 2.67 | 12.52 | 3.01 | 0.62 | 6.39 | 1.94 | 0.41 | 0.07 | 3.55 | 15.99 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | T50IT003 | 2.86 | 0.71 | 5.36 | 1.63 | 0.51 | 0.09 | 3.14 | 14.30 | 3.53 | 0.73 | 6.97 | 2.12 | 0.65 | 0.11 | 4.16 | 18.27 |
| | T50IT004 | 5.28 | 1.22 | 8.97 | 2.94 | 1.29 | 0.23 | 5.43 | 25.36 | 6.50 | 1.25 | 11.53 | 3.78 | 1.67 | 0.29 | 7.71 | 32.73 |
| | T50IT005 | 7.56 | 1.71 | 10.01 | 3.28 | 1.29 | 0.23 | 7.74 | 31.82 | 9.31 | 1.76 | 12.87 | 4.22 | 1.67 | 0.29 | 11.00 | 41.12 |
| | T50IT006 | 8.30 | 1.87 | 10.01 | 3.28 | 1.29 | 0.23 | 8.49 | 33.47 | 10.21 | 1.92 | 12.87 | 4.22 | 1.67 | 0.29 | 12.06 | 43.24 |
| | T50IT007 | 10.23 | 2.28 | 10.01 | 3.28 | 1.29 | 0.23 | 10.45 | 37.77 | 12.59 | 2.35 | 12.87 | 4.22 | 1.67 | 0.29 | 14.84 | 48.83 |
| | T50KE001 | 8.79 | 1.91 | 11.26 | 3.69 | 0.25 | 0.04 | 8.92 | 34.86 | 10.82 | 1.96 | 14.48 | 4.74 | 0.32 | 0.06 | 12.68 | 45.06 |
| | T50KE002 | 9.59 | 2.08 | 11.26 | 3.69 | 0.25 | 0.04 | 9.74 | 36.65 | 11.81 | 2.14 | 14.48 | 4.74 | 0.32 | 0.06 | 13.84 | 47.39 |
| | T50KE003 | 9.59 | 2.09 | 11.26 | 3.69 | 0.43 | 0.08 | 9.74 | 36.88 | 11.80 | 2.15 | 14.48 | 4.74 | 0.56 | 0.10 | 13.84 | 47.67 |
| | T50KE004 | 9.86 | 2.15 | 11.26 | 3.69 | 0.43 | 0.08 | 10.02 | 37.49 | 12.13 | 2.21 | 14.48 | 4.74 | 0.56 | 0.10 | 14.23 | 48.45 |
| | T50KE005 | 10.08 | 2.20 | 11.26 | 3.69 | 0.43 | 0.08 | 10.24 | 37.98 | 12.41 | 2.26 | 14.48 | 4.74 | 0.56 | 0.10 | 14.55 | 49.10 |
| | T50MT001 | 7.28 | 1.61 | 11.47 | 3.76 | 0.57 | 0.10 | 7.42 | 32.21 | 8.97 | 1.65 | 14.75 | 4.83 | 0.72 | 0.13 | 10.54 | 41.59 |
| | T50MT002 | 8.03 | 1.77 | 12.52 | 4.10 | 0.57 | 0.10 | 8.17 | 35.26 | 9.88 | 1.82 | 16.09 | 5.27 | 0.72 | 0.13 | 11.61 | 45.52 |
| | T50MT003 | 8.03 | 1.77 | 12.52 | 4.10 | 0.57 | 0.10 | 8.18 | 35.27 | 9.88 | 1.82 | 16.09 | 5.27 | 0.72 | 0.13 | 11.61 | 45.52 |
| | T50MT004 | 8.97 | 1.99 | 12.52 | 4.10 | 0.90 | 0.16 | 9.15 | 37.79 | 11.04 | 2.04 | 16.09 | 5.27 | 1.15 | 0.20 | 12.99 | 48.78 |
| | T50MT005 | 8.60 | 1.91 | 11.47 | 3.76 | 0.90 | 0.16 | 8.77 | 35.57 | 10.59 | 1.96 | 14.75 | 4.83 | 1.15 | 0.20 | 12.46 | 45.94 |
| | T50MT006 | 9.09 | 2.01 | 12.52 | 4.10 | 0.90 | 0.16 | 9.27 | 38.05 | 11.18 | 2.07 | 16.09 | 5.27 | 1.15 | 0.20 | 13.16 | 49.12 |
| | T50MT007 | 9.61 | 2.13 | 11.47 | 3.76 | 0.90 | 0.16 | 9.80 | 37.83 | 11.83 | 2.19 | 14.75 | 4.83 | 1.15 | 0.20 | 13.92 | 48.87 |
| | T50MT008 | 10.12 | 2.24 | 11.47 | 3.76 | 0.90 | 0.16 | 10.31 | 38.96 | 12.45 | 2.30 | 14.75 | 4.83 | 1.15 | 0.20 | 14.65 | 50.33 |
| | T50MT009 | 12.78 | 2.80 | 16.69 | 5.47 | 0.91 | 0.16 | 13.00 | 51.81 | 15.72 | 2.88 | 21.46 | 7.03 | 1.19 | 0.21 | 18.47 | 66.96 |
| | T50MT010 | 14.23 | 3.12 | 16.69 | 5.47 | 0.91 | 0.16 | 14.48 | 55.06 | 17.52 | 3.20 | 21.46 | 7.03 | 1.19 | 0.21 | 20.57 | 71.18 |
| | T50PE001 | 6.71 | 1.51 | 10.43 | 3.42 | 1.06 | 0.19 | 6.87 | 30.19 | 8.26 | 1.55 | 13.41 | 4.39 | 1.36 | 0.24 | 9.75 | 38.96 |
| | T50PE002 | 8.18 | 1.87 | 11.89 | 3.90 | 1.84 | 0.32 | 8.40 | 36.40 | 10.06 | 1.93 | 15.29 | 5.01 | 2.37 | 0.42 | 11.93 | 47.01 |
| | T50PE003 | 9.84 | 2.23 | 12.52 | 4.10 | 1.84 | 0.32 | 10.09 | 40.94 | 12.11 | 2.29 | 16.09 | 5.27 | 2.37 | 0.42 | 14.33 | 52.88 |
| | T50PE004 | 10.12 | 2.29 | 13.14 | 4.31 | 1.84 | 0.32 | 10.37 | 42.39 | 12.46 | 2.36 | 16.90 | 5.54 | 2.37 | 0.42 | 14.73 | 54.78 |
| | T50PE005 | 9.50 | 2.16 | 11.89 | 3.90 | 1.84 | 0.32 | 9.74 | 39.35 | 11.69 | 2.22 | 15.29 | 5.01 | 2.37 | 0.42 | 13.83 | 50.83 |
| T55 | | | | | | | | | | | | | | | | | |
| | T55CA001 | 25.84 | 7.69 | 9.50 | 3.78 | 7.34 | 1.29 | 22.78 | 78.22 | 31.01 | 7.83 | 12.53 | 4.98 | 12.24 | 2.15 | 31.89 | 102.63 |
| | T55CA002 | 34.46 | 10.44 | 13.73 | 5.46 | 13.25 | 2.33 | 30.47 | 110.14 | 41.35 | 10.64 | 18.10 | 7.20 | 22.08 | 3.88 | 42.66 | 145.91 |
| | T55CA003 | 49.90 | 15.69 | 18.37 | 7.31 | 20.93 | 3.67 | 44.38 | 160.25 | 59.88 | 15.98 | 24.22 | 9.64 | 34.89 | 6.12 | 62.14 | 212.87 |
| | T55CA004 | 22.66 | 6.85 | 9.50 | 3.78 | 6.02 | 1.06 | 20.03 | 69.90 | 27.20 | 6.98 | 12.53 | 4.98 | 10.04 | 1.76 | 28.05 | 91.54 |
| | T55CA005 | 30.98 | 9.79 | 13.73 | 5.46 | 13.71 | 2.41 | 27.58 | 103.66 | 37.17 | 9.98 | 18.10 | 7.20 | 22.86 | 4.01 | 38.62 | 137.94 |
| | T55CA006 | 42.12 | 13.49 | 18.37 | 7.31 | 20.93 | 3.67 | 37.58 | 143.47 | 50.55 | 13.75 | 24.22 | 9.64 | 34.89 | 6.12 | 52.62 | 191.79 |
| | T55DJ001 | 18.58 | 5.56 | 5.49 | 2.18 | 5.45 | 0.96 | 16.39 | 54.61 | 22.30 | 5.67 | 7.24 | 2.88 | 8.93 | 1.57 | 22.96 | 71.55 |
| | T55DJ002 | 17.14 | 5.06 | 4.60 | 1.83 | 4.22 | 0.74 | 15.09 | 48.68 | 20.57 | 5.16 | 6.07 | 2.41 | 7.04 | 1.24 | 21.14 | 63.63 |
| | T55DJ003 | 21.42 | 6.49 | 6.02 | 2.39 | 7.63 | 1.34 | 18.93 | 64.22 | 25.70 | 6.61 | 7.93 | 3.16 | 12.50 | 2.19 | 26.51 | 84.60 |
| | T55DJ004 | 20.64 | 6.17 | 5.49 | 2.18 | 6.41 | 1.12 | 18.21 | 60.22 | 24.77 | 6.29 | 7.24 | 2.88 | 10.68 | 1.87 | 25.49 | 79.22 |
| | T55DJ005 | 24.73 | 7.52 | 6.02 | 2.39 | 10.02 | 1.76 | 21.88 | 74.32 | 29.68 | 7.67 | 7.93 | 3.16 | 16.71 | 2.93 | 30.64 | 98.72 |
| | T55DJ007 | 27.16 | 8.35 | 8.13 | 3.23 | 12.73 | 2.23 | 24.07 | 85.90 | 32.60 | 8.50 | 10.72 | 4.26 | 21.31 | 3.74 | 33.70 | 114.83 |
| | T55DJ010 | 26.06 | 7.71 | 6.02 | 2.39 | 6.18 | 1.08 | 22.95 | 72.39 | 31.27 | 7.86 | 7.93 | 3.16 | 10.13 | 1.78 | 32.14 | 94.27 |
| | T55DJ011 | 28.52 | 8.43 | 8.13 | 3.23 | 6.66 | 1.17 | 25.11 | 81.25 | 34.22 | 8.59 | 10.72 | 4.26 | 10.90 | 1.91 | 35.17 | 105.77 |
| | T55EU001 | 16.86 | 5.00 | 4.86 | 1.93 | 3.26 | 0.57 | 14.86 | 47.34 | 20.24 | 5.10 | 6.40 | 2.55 | 5.43 | 0.95 | 20.81 | 61.48 |
| | T55EU002 | 27.42 | 8.13 | 9.50 | 3.78 | 7.34 | 1.29 | 24.15 | 81.61 | 32.90 | 8.28 | 12.53 | 4.98 | 12.24 | 2.15 | 33.82 | 106.90 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | T55EU003 | 37.93 | 11.42 | 14.26 | 5.67 | 13.25 | 2.33 | 33.50 | 118.36 | 45.51 | 11.64 | 18.79 | 7.48 | 22.08 | 3.88 | 46.90 | 156.28 |
| | T55EU004 | 45.45 | 14.29 | 19.54 | 7.77 | 19.06 | 3.35 | 40.42 | 149.88 | 54.54 | 14.56 | 25.75 | 10.24 | 31.77 | 5.58 | 56.60 | 199.04 |
| | T55TE001 | 16.35 | 4.84 | 4.73 | 1.88 | 4.86 | 0.85 | 14.40 | 47.91 | 19.62 | 4.93 | 6.24 | 2.48 | 8.32 | 1.46 | 20.16 | 63.21 |
| | T55TE002 | 17.28 | 5.26 | 5.01 | 1.99 | 5.76 | 1.01 | 15.29 | 51.60 | 20.73 | 5.36 | 6.60 | 2.62 | 9.87 | 1.73 | 21.40 | 68.31 |
| | T55TE003 | 18.61 | 5.65 | 5.45 | 2.17 | 6.05 | 1.06 | 16.45 | 55.44 | 22.33 | 5.76 | 7.18 | 2.86 | 10.37 | 1.82 | 23.04 | 73.36 |
| | T55TE004 | 20.92 | 6.26 | 6.84 | 2.72 | 6.64 | 1.17 | 18.46 | 63.01 | 25.10 | 6.38 | 9.02 | 3.59 | 11.08 | 1.94 | 25.85 | 82.96 |
| | T55TE005 | 24.94 | 7.63 | 7.58 | 3.02 | 12.40 | 2.18 | 22.08 | 79.83 | 29.93 | 7.77 | 9.99 | 3.98 | 21.26 | 3.73 | 30.92 | 107.58 |
| | T55TE006 | 24.43 | 7.62 | 10.56 | 4.20 | 13.25 | 2.33 | 21.70 | 84.09 | 29.31 | 7.76 | 13.92 | 5.54 | 22.08 | 3.88 | 30.38 | 112.87 |
| | T55TE007 | 31.46 | 9.83 | 13.09 | 5.21 | 12.41 | 2.18 | 27.95 | 102.13 | 37.75 | 10.01 | 17.26 | 6.87 | 20.68 | 3.63 | 39.14 | 135.34 |
| | T55TE008 | 45.38 | 14.15 | 18.18 | 7.23 | 17.59 | 3.09 | 40.30 | 145.92 | 54.45 | 14.42 | 23.97 | 9.54 | 29.32 | 5.15 | 56.44 | 193.29 |
| | T55UN001 | 33.20 | 10.84 | 19.01 | 7.56 | 19.06 | 3.35 | 29.71 | 122.73 | 39.84 | 11.04 | 25.06 | 9.97 | 31.77 | 5.58 | 41.60 | 164.86 |
| | T55UN002 | 42.16 | 13.51 | 25.34 | 10.08 | 20.93 | 3.67 | 37.61 | 153.30 | 50.59 | 13.76 | 33.41 | 13.29 | 34.89 | 6.12 | 52.67 | 204.73 |
| | T55UN003 | 48.86 | 16.87 | 33.79 | 13.44 | 39.85 | 6.99 | 44.16 | 203.96 | 58.63 | 17.19 | 44.54 | 17.72 | 66.44 | 11.66 | 61.83 | 278.01 |
| | T55VO001 | 11.20 | 3.45 | 3.93 | 1.56 | 4.95 | 0.87 | 9.93 | 35.89 | 13.44 | 3.51 | 5.18 | 2.06 | 8.15 | 1.43 | 13.90 | 47.67 |
| | T55VO002 | 13.98 | 4.29 | 5.07 | 2.02 | 6.37 | 1.12 | 12.38 | 45.23 | 16.78 | 4.37 | 6.68 | 2.66 | 10.67 | 1.87 | 17.34 | 60.37 |
| | T55VO003 | 15.27 | 4.60 | 5.07 | 2.02 | 5.43 | 0.95 | 13.49 | 46.83 | 18.32 | 4.69 | 6.68 | 2.66 | 9.05 | 1.59 | 18.89 | 61.88 |
| | T55VO004 | 20.82 | 6.35 | 6.89 | 2.74 | 8.84 | 1.55 | 18.42 | 65.61 | 24.98 | 6.48 | 9.08 | 3.61 | 14.74 | 2.59 | 25.80 | 87.28 |
| | T55WA001 | 29.72 | 8.78 | 10.24 | 4.07 | 7.34 | 1.29 | 26.17 | 87.61 | 35.67 | 8.95 | 13.50 | 5.37 | 12.24 | 2.15 | 36.65 | 114.53 |
| | T55WA002 | 36.76 | 11.28 | 14.26 | 5.67 | 16.69 | 2.93 | 32.57 | 120.16 | 44.12 | 11.50 | 18.79 | 7.48 | 27.83 | 4.88 | 45.61 | 160.21 |
| | T55WA003 | 46.94 | 14.82 | 19.64 | 7.81 | 20.95 | 3.68 | 41.77 | 155.61 | 56.33 | 15.10 | 25.89 | 10.30 | 35.09 | 6.16 | 58.50 | 207.37 |
| | T55WA005 | 91.59 | 28.61 | 28.51 | 11.34 | 36.04 | 6.33 | 81.37 | 283.79 | 109.91 | 29.15 | 37.58 | 14.95 | 60.08 | 10.54 | 113.94 | 376.15 |
| T57 | | | | | | | | | | | | | | | | | |
| | T57CU001 | 5.59 | 1.47 | 2.63 | 0.86 | 0.00 | 0.00 | 6.93 | 17.48 | | | | | | | | |
| | T57CU002 | 6.89 | 1.81 | 2.63 | 0.86 | 0.00 | 0.00 | 8.55 | 20.74 | | | | | | | | |
| | T57CU003 | 8.68 | 2.28 | 3.97 | 1.30 | 0.00 | 0.00 | 10.77 | 27.00 | | | | | | | | |
| | T57CU004 | 9.54 | 2.50 | 6.12 | 2.00 | 0.00 | 0.00 | 11.84 | 32.00 | | | | | | | | |
| | T57CU005 | 12.64 | 3.32 | 11.58 | 3.79 | 0.00 | 0.00 | 15.69 | 47.02 | | | | | | | | |
| T60 | | | | | | | | | | | | | | | | | |
| | T60KI001 | 11.09 | 3.69 | 6.05 | 2.26 | 2.62 | 0.46 | 12.20 | 38.37 | 13.31 | 3.75 | 7.90 | 2.96 | 3.53 | 0.62 | 16.72 | 48.79 |
| | T60KI002 | 19.76 | 6.70 | 11.40 | 4.27 | 5.97 | 1.05 | 21.83 | 70.98 | 23.72 | 6.81 | 14.89 | 5.57 | 8.05 | 1.41 | 29.91 | 90.36 |
| | T60KI003 | 27.93 | 9.37 | 15.55 | 5.82 | 7.46 | 1.31 | 30.78 | 98.22 | 33.52 | 9.53 | 20.30 | 7.60 | 10.05 | 1.76 | 42.18 | 124.94 |
| | T60KI004 | 28.33 | 9.50 | 15.55 | 5.82 | 7.46 | 1.31 | 31.21 | 99.18 | 34.00 | 9.66 | 20.30 | 7.60 | 10.05 | 1.76 | 42.77 | 126.14 |
| | T60KI005 | 33.93 | 11.40 | 19.01 | 7.12 | 9.17 | 1.61 | 37.40 | 119.64 | 40.72 | 11.59 | 24.82 | 9.29 | 12.35 | 2.17 | 51.24 | 152.18 |
| | T60KI006 | 34.39 | 11.54 | 19.01 | 7.12 | 9.17 | 1.61 | 37.89 | 120.73 | 41.26 | 11.73 | 24.82 | 9.29 | 12.35 | 2.17 | 51.92 | 153.54 |
| | T60SO001 | 22.78 | 7.63 | 11.40 | 4.27 | 5.97 | 1.05 | 25.10 | 78.20 | 27.34 | 7.76 | 14.89 | 5.57 | 8.05 | 1.41 | 34.39 | 99.41 |
| | T60SO002 | 30.92 | 10.30 | 15.55 | 5.82 | 7.50 | 1.32 | 34.02 | 105.43 | 37.10 | 10.47 | 20.30 | 7.60 | 10.11 | 1.77 | 46.61 | 133.96 |
| | T60SO003 | 31.54 | 10.49 | 15.55 | 5.82 | 7.50 | 1.32 | 34.69 | 106.91 | 37.85 | 10.67 | 20.30 | 7.60 | 10.11 | 1.77 | 47.54 | 135.84 |
| | T60SO004 | 39.01 | 13.06 | 19.01 | 7.12 | 10.12 | 1.78 | 42.96 | 133.06 | 46.81 | 13.28 | 24.82 | 9.29 | 13.64 | 2.39 | 58.87 | 169.10 |
| | T60SO005 | 39.77 | 13.29 | 19.01 | 7.12 | 10.12 | 1.78 | 43.78 | 134.87 | 47.72 | 13.52 | 24.82 | 9.29 | 13.64 | 2.39 | 59.99 | 171.37 |
| T65 | | | | | | | | | | | | | | | | | |
| | T65AS001 | 16.02 | 5.23 | 2.89 | 0.95 | 0.43 | 0.08 | 21.11 | 46.71 | | | | | | | | |
| | T65AS002 | 24.21 | 7.89 | 4.92 | 1.61 | 0.43 | 0.08 | 31.90 | 71.04 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | T65AS003 | 32.63 | 10.65 | 6.39 | 2.09 | 0.73 | 0.13 | 43.00 | 95.62 | | | | | | | | |
| | T65AS004 | 40.82 | 13.31 | 6.39 | 2.09 | 0.73 | 0.13 | 53.78 | 117.25 | | | | | | | | |
| | T65AS005 | 56.33 | 18.34 | 13.91 | 4.56 | 0.73 | 0.13 | 74.20 | 168.20 | | | | | | | | |
| | T65AS006 | 64.62 | 21.05 | 11.58 | 3.79 | 1.06 | 0.19 | 85.13 | 187.42 | | | | | | | | |
| | T65AS007 | 13.28 | 4.31 | 4.29 | 4.01 | 0.00 | 0.00 | 17.48 | 43.37 | | | | | | | | |
| | T65AS008 | 22.80 | 7.40 | 8.58 | 8.02 | 0.00 | 0.00 | 30.02 | 76.82 | | | | | | | | |
| | T65AS009 | 97.07 | 48.06 | 39.03 | 29.83 | 0.00 | 0.00 | 99.24 | 313.23 | 106.78 | 48.30 | 50.74 | 36.68 | 0.00 | 0.00 | 124.75 | 367.25 |
| | T65AS010 | 142.73 | 70.67 | 67.59 | 51.54 | 0.00 | 0.00 | 145.92 | 478.45 | 157.00 | 71.02 | 87.87 | 63.40 | 0.00 | 0.00 | 183.42 | 562.71 |
| | T65AS011 | 392.74 | 194.45 | 152.10 | 115.98 | 0.00 | 0.00 | 401.52 | 1256.79 | 432.01 | 195.41 | 197.72 | 142.67 | 0.00 | 0.00 | 504.69 | 1472.50 |
| | T65AS012 | 27.18 | 7.68 | 7.68 | 7.49 | 0.28 | 0.05 | 35.80 | 86.16 | | | | | | | | |
| | T65AS013 | 17.63 | 4.98 | 3.84 | 3.75 | 0.22 | 0.04 | 23.23 | 53.69 | | | | | | | | |
| | T65AS014 | 13.82 | 3.91 | 3.20 | 3.37 | 0.22 | 0.04 | 18.21 | 42.77 | | | | | | | | |
| | T65AS015 | 4.35 | 1.24 | 0.00 | 1.50 | 0.22 | 0.04 | 5.74 | 13.09 | | | | | | | | |
| | T65AS016 | 49.83 | 18.30 | 15.90 | 12.30 | 0.00 | 0.00 | 65.48 | 161.81 | 56.95 | 18.47 | 20.68 | 15.09 | 0.00 | 0.00 | 83.14 | 194.33 |
| | T65AS017 | 76.00 | 27.91 | 25.54 | 19.44 | 0.00 | 0.00 | 99.87 | 248.76 | 86.85 | 28.18 | 33.20 | 23.92 | 0.00 | 0.00 | 126.81 | 298.96 |
| | T65AS018 | 112.18 | 41.19 | 28.56 | 21.71 | 0.00 | 0.00 | 147.41 | 351.05 | 128.20 | 41.59 | 37.13 | 26.72 | 0.00 | 0.00 | 187.17 | 420.81 |
| | T65AS019 | 111.53 | 40.95 | 36.06 | 27.60 | 0.00 | 0.00 | 146.56 | 362.70 | 127.46 | 41.35 | 46.88 | 33.93 | 0.00 | 0.00 | 186.10 | 435.72 |
| | T65AS020 | 36.42 | 9.59 | 3.50 | 3.97 | 0.43 | 0.08 | 45.24 | 99.23 | | | | | | | | |
| | T65AS021 | 44.05 | 11.60 | 3.67 | 4.53 | 0.43 | 0.08 | 54.71 | 119.07 | | | | | | | | |
| | T65AS022 | 3.21 | 0.93 | 0.00 | 1.50 | 0.00 | 0.00 | 3.46 | 9.10 | | | | | | | | |
| | T65AS023 | 3.75 | 1.08 | 0.00 | 1.50 | 0.00 | 0.00 | 4.03 | 10.36 | | | | | | | | |
| | T65AS024 | 5.31 | 1.56 | 0.00 | 2.00 | 0.33 | 0.06 | 5.74 | 15.00 | | | | | | | | |
| | T65AS025 | 5.46 | 1.60 | 0.00 | 2.00 | 0.33 | 0.06 | 5.90 | 15.35 | | | | | | | | |
| | T65AT001 | 29.32 | 10.77 | 14.45 | 10.95 | 0.00 | 0.00 | 38.53 | 104.02 | 33.51 | 10.87 | 18.78 | 13.49 | 0.00 | 0.00 | 48.92 | 125.57 |
| | T65AT002 | 31.56 | 11.59 | 14.45 | 10.95 | 0.00 | 0.00 | 41.47 | 110.02 | 36.06 | 11.70 | 18.78 | 13.49 | 0.00 | 0.00 | 52.65 | 132.68 |
| | T65AT003 | 42.46 | 15.59 | 16.80 | 12.83 | 0.00 | 0.00 | 55.80 | 143.48 | 48.53 | 15.74 | 21.84 | 15.78 | 0.00 | 0.00 | 70.85 | 172.74 |
| | T65AT004 | 53.59 | 19.68 | 36.12 | 27.63 | 0.00 | 0.00 | 70.43 | 207.45 | 61.25 | 19.87 | 46.96 | 33.97 | 0.00 | 0.00 | 89.42 | 251.47 |
| | T65AT005 | 61.50 | 22.58 | 20.16 | 15.29 | 0.00 | 0.00 | 80.82 | 200.35 | 70.29 | 22.80 | 26.21 | 18.83 | 0.00 | 0.00 | 102.62 | 240.75 |
| | T65AT006 | 91.80 | 33.71 | 27.22 | 20.92 | 0.00 | 0.00 | 120.64 | 294.29 | 104.92 | 34.04 | 35.38 | 25.70 | 0.00 | 0.00 | 153.18 | 353.22 |
| | T65AT007 | 4.26 | 1.12 | 1.40 | 1.99 | 0.00 | 0.00 | 5.29 | 14.06 | | | | | | | | |
| | T65AT008 | 5.92 | 1.55 | 0.90 | 1.67 | 0.00 | 0.00 | 7.35 | 17.39 | | | | | | | | |
| | T65BR001 | 7.91 | 2.45 | 5.20 | 0.00 | 0.00 | 0.00 | 9.21 | 24.77 | | | | | | | | |
| | T65BR002 | 9.17 | 2.84 | 5.20 | 0.00 | 0.00 | 0.00 | 10.67 | 27.88 | | | | | | | | |
| | T65BR003 | 9.06 | 2.81 | 5.20 | 0.00 | 0.00 | 0.00 | 10.55 | 27.62 | | | | | | | | |
| | T65BR004 | 10.64 | 3.29 | 5.20 | 0.00 | 0.00 | 0.00 | 12.38 | 31.51 | | | | | | | | |
| | T65BR005 | 10.88 | 3.37 | 6.93 | 0.00 | 0.00 | 0.00 | 12.67 | 33.85 | | | | | | | | |
| | T65BR006 | 12.46 | 3.86 | 6.93 | 0.00 | 0.00 | 0.00 | 14.50 | 37.75 | | | | | | | | |
| | T65BR007 | 14.41 | 4.46 | 14.04 | 0.00 | 0.00 | 0.00 | 16.76 | 49.67 | | | | | | | | |
| | T65BR008 | 15.66 | 4.85 | 14.04 | 0.00 | 0.00 | 0.00 | 18.23 | 52.78 | | | | | | | | |
| | T65BR009 | 15.26 | 4.72 | 14.04 | 0.00 | 0.00 | 0.00 | 17.76 | 51.78 | | | | | | | | |
| | T65BR010 | 16.20 | 5.02 | 14.04 | 0.00 | 0.00 | 0.00 | 18.86 | 54.12 | | | | | | | | |
| | T65DO001 | 35.61 | 13.08 | 11.76 | 8.88 | 0.00 | 0.00 | 46.80 | 116.13 | 40.70 | 13.20 | 15.29 | 10.94 | 0.00 | 0.00 | 59.42 | 139.55 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | T65DO002 | 47.36 | 17.39 | 14.56 | 11.02 | 0.00 | 0.00 | 62.24 | 152.57 | 54.13 | 17.56 | 18.93 | 13.57 | 0.00 | 0.00 | 79.02 | 183.21 |
| | T65DO003 | 77.53 | 28.47 | 29.40 | 22.70 | 0.00 | 0.00 | 101.89 | 259.99 | 88.61 | 28.75 | 38.22 | 27.86 | 0.00 | 0.00 | 129.37 | 312.81 |
| | T65DO004 | 153.92 | 56.52 | 55.72 | 42.60 | 0.00 | 0.00 | 202.27 | 511.03 | 175.91 | 57.07 | 72.44 | 52.38 | 0.00 | 0.00 | 256.83 | 614.63 |
| | T65DO005 | 32.52 | 11.94 | 6.72 | 5.93 | 0.00 | 0.00 | 42.74 | 99.85 | 37.17 | 12.06 | 8.74 | 7.11 | 0.00 | 0.00 | 54.27 | 119.35 |
| | T65DO007 | 3.83 | 1.01 | 2.80 | 1.97 | 0.00 | 0.00 | 4.76 | 14.37 | | | | | | | | |
| | T65DO008 | 5.23 | 1.37 | 4.20 | 2.96 | 0.00 | 0.00 | 6.49 | 20.25 | | | | | | | | |
| | T65DR001 | 26.09 | 9.58 | 19.32 | 14.80 | 0.00 | 0.00 | 34.29 | 104.08 | 29.82 | 9.67 | 25.12 | 18.19 | 0.00 | 0.00 | 43.54 | 126.34 |
| | T65DR002 | 43.69 | 16.04 | 24.64 | 18.91 | 0.00 | 0.00 | 57.42 | 160.70 | 49.93 | 16.20 | 32.03 | 23.24 | 0.00 | 0.00 | 72.90 | 194.30 |
| | T65DR003 | 46.53 | 17.09 | 38.64 | 29.60 | 0.00 | 0.00 | 61.15 | 193.01 | 53.18 | 17.25 | 50.23 | 36.39 | 0.00 | 0.00 | 77.65 | 234.70 |
| | T65DR004 | 38.27 | 10.04 | 3.36 | 3.27 | 0.00 | 0.00 | 47.50 | 102.44 | | | | | | | | |
| | T65DR005 | 26.77 | 7.02 | 2.91 | 3.03 | 0.00 | 0.00 | 33.23 | 72.96 | | | | | | | | |
| | T65EI001 | 5.31 | 1.68 | 2.55 | 0.89 | 0.51 | 0.09 | 6.21 | 17.24 | | | | | | | | |
| | T65EI002 | 9.27 | 2.95 | 3.74 | 1.31 | 1.03 | 0.18 | 10.85 | 29.33 | | | | | | | | |
| | T65EI003 | 10.26 | 3.28 | 5.20 | 1.83 | 1.28 | 0.22 | 12.02 | 34.09 | | | | | | | | |
| | T65EI004 | 15.44 | 5.04 | 8.65 | 3.04 | 3.33 | 0.58 | 18.16 | 54.24 | | | | | | | | |
| | T65EI005 | 17.65 | 6.24 | 10.37 | 3.64 | 7.15 | 1.25 | 21.12 | 67.42 | | | | | | | | |
| | T65EI006 | 27.02 | 9.65 | 12.17 | 4.27 | 11.83 | 2.08 | 32.41 | 99.43 | | | | | | | | |
| | T65EI007 | 5.91 | 1.87 | 1.87 | 1.16 | 0.51 | 0.09 | 6.91 | 18.32 | | | | | | | | |
| | T65EI008 | 9.05 | 2.88 | 2.81 | 1.74 | 1.03 | 0.18 | 10.59 | 28.28 | | | | | | | | |
| | T65EI009 | 10.22 | 3.25 | 3.74 | 2.31 | 1.03 | 0.18 | 11.96 | 32.69 | | | | | | | | |
| | T65EI010 | 9.58 | 3.08 | 5.20 | 1.83 | 1.47 | 0.26 | 11.23 | 32.65 | | | | | | | | |
| | T65EI011 | 9.17 | 2.95 | 6.93 | 2.43 | 1.47 | 0.26 | 10.76 | 33.97 | | | | | | | | |
| | T65EI012 | 14.58 | 4.94 | 10.37 | 3.64 | 5.47 | 0.96 | 17.29 | 57.25 | | | | | | | | |
| | T65EI013 | 27.34 | 9.04 | 16.85 | 5.91 | 7.45 | 1.31 | 32.25 | 100.15 | | | | | | | | |
| | T65EI014 | 4.89 | 1.31 | 1.50 | 0.53 | 0.40 | 0.07 | 6.09 | 14.79 | | | | | | | | |
| | T65EI015 | 5.83 | 1.56 | 3.37 | 1.18 | 0.33 | 0.06 | 7.26 | 19.59 | | | | | | | | |
| | T65FL001 | 20.93 | 5.92 | 5.12 | 5.00 | 0.26 | 0.05 | 27.57 | 64.85 | | | | | | | | |
| | T65FL002 | 14.88 | 3.92 | 5.12 | 5.00 | 0.19 | 0.03 | 18.49 | 47.63 | | | | | | | | |
| | T65FL003 | 14.08 | 3.71 | 5.12 | 5.00 | 0.19 | 0.03 | 17.49 | 45.62 | | | | | | | | |
| | T65FL004 | 20.23 | 5.33 | 5.12 | 5.00 | 0.26 | 0.05 | 25.14 | 61.13 | | | | | | | | |
| | T65FL005 | 8.90 | 2.35 | 2.56 | 2.50 | 0.22 | 0.04 | 11.06 | 27.63 | | | | | | | | |
| | T65FL006 | 4.86 | 1.27 | 2.06 | 0.72 | 0.00 | 0.00 | 6.03 | 14.94 | | | | | | | | |
| | T65TL001 | 22.51 | 5.95 | 5.07 | 1.78 | 0.73 | 0.13 | 27.99 | 64.16 | | | | | | | | |
| | T65TL002 | 15.51 | 4.12 | 3.72 | 1.31 | 0.73 | 0.13 | 19.30 | 44.82 | | | | | | | | |
| | T65TL003 | 12.06 | 3.21 | 3.72 | 1.31 | 0.73 | 0.13 | 15.02 | 36.18 | | | | | | | | |
| | T65TL004 | 11.80 | 3.14 | 3.72 | 1.31 | 0.73 | 0.13 | 14.69 | 35.52 | | | | | | | | |
| | T65TL005 | 9.18 | 2.45 | 3.72 | 1.31 | 0.73 | 0.13 | 11.43 | 28.95 | | | | | | | | |
| | T65VA001 | 126.92 | 62.84 | 70.00 | 40.95 | 0.00 | 0.00 | 129.76 | 430.47 | 139.61 | 63.15 | 91.00 | 53.24 | 0.00 | 0.00 | 163.10 | 510.10 |
| | T65VA002 | 204.96 | 101.48 | 71.40 | 41.77 | 0.00 | 0.00 | 209.54 | 629.15 | 225.45 | 101.98 | 92.82 | 54.30 | 0.00 | 0.00 | 263.38 | 737.93 |
| | T65VA003 | 447.36 | 221.50 | 161.56 | 94.51 | 0.00 | 0.00 | 457.36 | 1382.29 | 492.10 | 222.59 | 210.03 | 122.87 | 0.00 | 0.00 | 574.89 | 1622.48 |
| | T65VA004 | 38.69 | 14.21 | 12.88 | 7.53 | 0.00 | 0.00 | 50.84 | 124.15 | 44.21 | 14.34 | 16.74 | 9.80 | 0.00 | 0.00 | 64.55 | 149.64 |
| | T65VA005 | 61.10 | 22.44 | 26.04 | 15.23 | 0.00 | 0.00 | 80.29 | 205.10 | 69.83 | 22.65 | 33.85 | 19.80 | 0.00 | 0.00 | 101.95 | 248.08 |

## TABLE 2-2. HOURLY RATE ELEMENTS

| | | AVERAGE OPERATING CONDITIONS | | | | | | | | SEVERE OPERATING CONDITIONS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAT | ID.NO. | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
| | T65VA006 | 76.60 | 28.13 | 26.04 | 15.23 | 0.00 | 0.00 | 100.66 | 246.66 | 87.54 | 28.40 | 33.85 | 19.80 | 0.00 | 0.00 | 127.81 | 297.40 |
| | T65VA007 | 112.92 | 41.47 | 40.60 | 23.75 | 0.00 | 0.00 | 148.39 | 367.13 | 129.05 | 41.87 | 52.78 | 30.88 | 0.00 | 0.00 | 188.42 | 443.00 |
| | T65VA008 | 29.71 | 11.02 | 5.60 | 2.95 | 5.47 | 0.96 | 32.53 | 88.24 | | | | | | | | |
| | T65VA009 | 50.00 | 17.84 | 12.04 | 6.34 | 0.00 | 0.00 | 54.31 | 140.53 | | | | | | | | |
| | T65WG001 | 5.15 | 1.63 | 1.54 | 0.54 | 0.39 | 0.07 | 6.02 | 15.34 | | | | | | | | |
| | T65WG002 | 9.53 | 3.03 | 3.07 | 1.08 | 1.03 | 0.18 | 11.15 | 29.07 | | | | | | | | |
| | T65WG003 | 17.62 | 5.71 | 8.65 | 3.04 | 3.33 | 0.58 | 20.70 | 59.63 | | | | | | | | |
| | T65WG004 | 23.05 | 7.58 | 10.37 | 3.64 | 5.67 | 1.00 | 27.16 | 78.47 | | | | | | | | |
| | T65WG005 | 5.33 | 1.93 | 1.68 | 1.18 | 0.39 | 0.07 | 5.81 | 16.39 | | | | | | | | |
| | T65WG006 | 9.80 | 3.58 | 4.20 | 2.96 | 1.03 | 0.18 | 10.69 | 32.44 | | | | | | | | |
| | T65WG007 | 18.11 | 6.72 | 9.80 | 6.91 | 3.33 | 0.58 | 19.83 | 65.28 | | | | | | | | |
| | T65WG008 | 6.33 | 1.99 | 3.07 | 1.08 | 0.35 | 0.06 | 7.39 | 20.27 | | | | | | | | |
| | T65WG009 | 11.90 | 3.76 | 6.93 | 2.43 | 1.01 | 0.18 | 13.91 | 40.12 | | | | | | | | |
| | T65WG010 | 19.89 | 6.60 | 10.37 | 3.64 | 5.67 | 1.00 | 23.47 | 70.64 | | | | | | | | |
| | T65WG011 | 25.36 | 8.48 | 17.78 | 6.24 | 8.02 | 1.41 | 29.98 | 97.27 | | | | | | | | |
| W10 | | | | | | | | | | | | | | | | | |
| | W10CE001 | 21.46 | 6.64 | 11.40 | 4.27 | 9.14 | 1.60 | 20.63 | 75.14 | 25.75 | 6.77 | 14.89 | 5.57 | 15.30 | 2.69 | 28.54 | 99.51 |
| | W10CE002 | 30.43 | 9.52 | 15.55 | 5.82 | 13.13 | 2.30 | 29.30 | 106.05 | 36.51 | 9.70 | 20.30 | 7.60 | 21.21 | 3.72 | 40.53 | 139.57 |
| | W10CE003 | 46.01 | 14.51 | 22.46 | 8.41 | 20.81 | 3.65 | 44.36 | 160.21 | 55.21 | 14.79 | 29.33 | 10.98 | 34.54 | 6.06 | 61.36 | 212.27 |
| W15 | | | | | | | | | | | | | | | | | |
| | W15CE001 | 22.79 | 6.99 | 11.40 | 4.27 | 8.64 | 1.52 | 20.19 | 75.80 | 27.35 | 7.12 | 14.89 | 5.57 | 14.47 | 2.54 | 28.27 | 100.21 |
| | W15CE002 | 30.69 | 9.84 | 15.55 | 5.82 | 13.03 | 2.29 | 27.38 | 104.60 | 36.83 | 10.03 | 20.30 | 7.60 | 21.83 | 3.83 | 38.35 | 138.77 |
| W25 | | | | | | | | | | | | | | | | | |
| | W25AC001 | 0.60 | 0.08 | 1.65 | 0.46 | 0.02 | 0.00 | 1.03 | 3.84 | | | | | | | | |
| | W25AC002 | 0.64 | 0.08 | 1.65 | 0.46 | 0.02 | 0.00 | 1.10 | 3.95 | | | | | | | | |
| | W25AC003 | 0.92 | 0.11 | 2.70 | 0.76 | 0.02 | 0.00 | 1.58 | 6.09 | | | | | | | | |
| | W25AC004 | 0.98 | 0.12 | 2.70 | 0.76 | 0.02 | 0.00 | 1.68 | 6.26 | | | | | | | | |
| | W25AN001 | 0.49 | 0.06 | 0.38 | 0.43 | 0.00 | 0.00 | 0.84 | 2.20 | | | | | | | | |
| | W25AN002 | 0.77 | 0.09 | 0.38 | 0.43 | 0.00 | 0.00 | 1.31 | 2.98 | | | | | | | | |
| | W25AN003 | 0.59 | 0.07 | 1.65 | 0.46 | 0.00 | 0.00 | 1.01 | 3.78 | | | | | | | | |
| | W25AN004 | 0.97 | 0.12 | 1.65 | 0.46 | 0.00 | 0.00 | 1.65 | 4.85 | | | | | | | | |
| | W25AO001 | 0.42 | 0.05 | 0.08 | 0.54 | 0.00 | 0.00 | 0.72 | 1.81 | | | | | | | | |
| | W25AO002 | 0.47 | 0.06 | 0.08 | 0.79 | 0.00 | 0.00 | 0.81 | 2.21 | | | | | | | | |
| | W25AO003 | 0.69 | 0.08 | 0.08 | 0.79 | 0.00 | 0.00 | 1.17 | 2.81 | | | | | | | | |
| | W25AO004 | 0.69 | 0.08 | 0.15 | 1.07 | 0.00 | 0.00 | 1.18 | 3.17 | | | | | | | | |
| | W25AO005 | 1.45 | 0.18 | 0.30 | 1.64 | 0.00 | 0.00 | 2.48 | 6.05 | | | | | | | | |
| | W25AO006 | 0.96 | 0.12 | 0.08 | 0.79 | 0.00 | 0.00 | 1.64 | 3.59 | | | | | | | | |
| | W25CD001 | 3.09 | 0.37 | 0.00 | 0.50 | 0.00 | 0.00 | 5.28 | 9.24 | | | | | | | | |
| | W25CD002 | 5.14 | 0.62 | 0.00 | 0.75 | 0.00 | 0.00 | 8.78 | 15.29 | | | | | | | | |
| | W25CJ001 | 16.13 | 3.47 | 1.12 | 0.66 | 0.00 | 0.00 | 25.03 | 46.41 | | | | | | | | |
| | W25CJ002 | 22.01 | 4.74 | 1.34 | 0.79 | 0.00 | 0.00 | 34.14 | 63.02 | | | | | | | | |
| | W25CJ003 | 25.53 | 5.50 | 1.34 | 0.79 | 0.00 | 0.00 | 39.61 | 72.77 | | | | | | | | |

## TABLE 2-2. HOURLY RATE ELEMENTS

| CAT | ID.NO. | AVERAGE OPERATING CONDITIONS DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE | SEVERE OPERATING CONDITIONS DEPR | FCCM | FUEL | FOG | TIRE WEAR | TIRE RPR | RPR | TOTAL RATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | W25HO001 | 0.34 | 0.04 | 0.46 | 0.15 | 0.00 | 0.00 | 0.58 | 1.57 | | | | | | | | |
| | W25HO002 | 0.58 | 0.07 | 0.66 | 0.22 | 0.00 | 0.00 | 0.99 | 2.52 | | | | | | | | |
| | W25NL001 | 10.58 | 1.28 | 15.20 | 7.11 | 0.00 | 0.00 | 18.06 | 52.23 | | | | | | | | |
| | W25NL002 | 12.40 | 2.08 | 17.04 | 5.58 | 0.00 | 0.00 | 23.10 | 60.20 | | | | | | | | |
| | W25NL003 | 8.35 | 1.40 | 7.63 | 2.50 | 0.00 | 0.00 | 15.56 | 35.44 | | | | | | | | |
| | W25NL004 | 16.03 | 2.72 | 2.04 | 0.67 | 0.22 | 0.04 | 29.92 | 51.64 | | | | | | | | |
| | W25WE001 | 4.11 | 0.70 | 3.80 | 2.28 | 0.05 | 0.01 | 7.67 | 18.62 | | | | | | | | |
| | W25WE002 | 4.47 | 0.76 | 5.70 | 3.42 | 0.05 | 0.01 | 8.34 | 22.75 | | | | | | | | |
| | W25WE003 | 5.76 | 0.97 | 4.63 | 1.52 | 0.05 | 0.01 | 10.74 | 23.68 | | | | | | | | |
| | W25WE004 | 6.82 | 1.15 | 11.40 | 6.84 | 0.05 | 0.01 | 12.71 | 38.98 | | | | | | | | |
| | W25WE005 | 8.33 | 1.40 | 8.14 | 2.67 | 0.05 | 0.01 | 15.52 | 36.12 | | | | | | | | |
| | W25WE006 | 9.37 | 1.59 | 12.21 | 4.00 | 0.10 | 0.02 | 17.49 | 44.78 | | | | | | | | |
| | W25WE007 | 10.79 | 1.83 | 11.70 | 3.83 | 0.13 | 0.02 | 20.14 | 48.44 | | | | | | | | |
| W30 | | | | | | | | | | | | | | | | | |
| | W30SO001 | 2.37 | 0.76 | 0.82 | 0.24 | 0.22 | 0.04 | 2.22 | 6.67 | | | | | | | | |
| | W30SO002 | 2.86 | 0.92 | 0.82 | 0.24 | 0.22 | 0.04 | 2.68 | 7.78 | | | | | | | | |
| | W30SO003 | 3.12 | 1.00 | 0.82 | 0.24 | 0.22 | 0.04 | 2.92 | 8.36 | | | | | | | | |
| | W30SO004 | 1.60 | 0.50 | 0.00 | 0.01 | 0.00 | 0.00 | 1.24 | 3.35 | | | | | | | | |
| | W30SO005 | 1.79 | 0.56 | 0.00 | 0.01 | 0.00 | 0.00 | 1.39 | 3.75 | | | | | | | | |
| | W30SO006 | 2.07 | 0.64 | 0.00 | 0.01 | 0.00 | 0.00 | 1.60 | 4.32 | | | | | | | | |
| W35 | | | | | | | | | | | | | | | | | |
| | W35HO001 | 0.11 | 0.03 | 0.89 | 0.25 | 0.00 | 0.00 | 0.15 | 1.43 | | | | | | | | |
| | W35HO002 | 0.15 | 0.04 | 1.40 | 0.39 | 0.00 | 0.00 | 0.20 | 2.18 | | | | | | | | |
| | W35XX001 | 0.69 | 0.18 | 1.17 | 0.33 | 0.04 | 0.01 | 0.92 | 3.34 | | | | | | | | |
| | W35XX002 | 0.49 | 0.13 | 4.95 | 1.39 | 0.03 | 0.01 | 0.66 | 7.66 | | | | | | | | |
| | W35XX003 | 0.73 | 0.20 | 1.64 | 0.46 | 0.04 | 0.01 | 0.99 | 4.07 | | | | | | | | |
| | W35XX004 | 0.53 | 0.14 | 4.95 | 1.39 | 0.04 | 0.01 | 0.71 | 7.77 | | | | | | | | |
| | W35XX005 | 0.81 | 0.22 | 1.64 | 0.46 | 0.07 | 0.01 | 1.09 | 4.30 | | | | | | | | |
| | W35XX006 | 0.57 | 0.15 | 8.25 | 2.32 | 0.04 | 0.01 | 0.77 | 12.11 | | | | | | | | |
| | W35XX007 | 0.88 | 0.24 | 2.76 | 0.78 | 0.07 | 0.01 | 1.19 | 5.93 | | | | | | | | |
| | W35XX008 | 0.73 | 0.20 | 8.76 | 2.46 | 0.04 | 0.01 | 0.99 | 13.19 | | | | | | | | |
| | W35XX009 | 0.37 | 0.07 | 0.96 | 0.45 | 0.00 | 0.00 | 0.31 | 2.16 | | | | | | | | |
| | W35XX010 | 0.44 | 0.08 | 1.20 | 0.56 | 0.00 | 0.00 | 0.37 | 2.65 | | | | | | | | |
| | W35XX011 | 0.37 | 0.07 | 0.48 | 0.22 | 0.00 | 0.00 | 0.31 | 1.45 | | | | | | | | |
| | W35XX012 | 0.38 | 0.07 | 0.96 | 0.45 | 0.00 | 0.00 | 0.32 | 2.18 | | | | | | | | |
| | W35XX013 | 0.17 | 0.03 | 0.91 | 0.43 | 0.00 | 0.00 | 0.14 | 1.68 | | | | | | | | |
| | W35XX014 | 0.22 | 0.04 | 1.15 | 0.54 | 0.00 | 0.00 | 0.18 | 2.13 | | | | | | | | |
| | W35XX015 | 0.59 | 0.11 | 1.44 | 0.67 | 0.00 | 0.00 | 0.49 | 3.30 | | | | | | | | |
| | W35XX016 | 1.03 | 0.19 | 2.02 | 0.94 | 0.00 | 0.00 | 0.85 | 5.03 | | | | | | | | |
| | W35XX017 | 0.08 | 0.02 | 0.91 | 0.43 | 0.00 | 0.00 | 0.07 | 1.51 | | | | | | | | |
| | W35XX018 | 0.26 | 0.05 | 1.15 | 0.54 | 0.00 | 0.00 | 0.22 | 2.22 | | | | | | | | |

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CHAPTER 3

# ADJUSTMENTS TO RATES

## SECTION I. RATE ADJUSTMENTS

3-1. Contents. This chapter explains the procedures for adjusting the hourly rates shown in TABLE 2-1 which are calculated for a given set of factors. Rate adjustment tables have been developed from equations used to calculate the ownership portion of the rate and standby costs.

3-2. Conditions for Adjustment. These rates shall be adjusted using the guidance in this chapter whenever one or more of the following conditions exist:

a. If difficult conditions are justified by the contract (see paragraph 2-4).

b. If the contractor's equipment is not the same age as the equipment listed in this pamphlet (see examples shown in TABLE 3-1, Equipment Age Adjustment Factors for Ownership Costs, and paragraph 3-5).

c. If the cost-of-money rate for the time period in question is different than that shown in Chapter 2 (see paragraph 3-4a(2)).

d. If fuel costs differ by more than 10% from the cost shown (see paragraph 3-4b(1)).

e. If the actual hours worked exceeded 40 hours per week (see example shown in TABLE 3-3, Shift Adjustment Factors for Ownership).

3-3. Use of Rate Adjustment Tables. TABLES 3-1, 3-2, and 3-3 are used to adjust the hourly rates in TABLE 2-1. Hourly rates for construction equipment for both average and severe conditions are given in TABLE 2-2, Hourly Rate Elements.

a. These tables can be used when the actual unit of equipment is known, as in the case of most negotiated procurements. These tables provide reasonable adjustment factors to allow a short-cut method for adjusting an hourly rate when actual conditions are considered, as in the case of contract modifications.

b. The rate adjustment tables may be used in lieu of a step-by-step rate computation when cost or pricing data is available, provided that the unit of equipment listed in the pamphlet is equivalent in size, capacity, and horsepower to the contractor's actual unit of equipment.

3-4. Hourly Rate Elements. Individual cost elements, which comprise the total hourly rate, are shown in TABLE 2-2. These hour-

ly rate elements are listed by equipment identification number corresponding to each unit of equipment shown in TABLE 2-1.

a. Ownership cost elements. These elements consist of depreciation (DEPR) and facilities capital cost of money (FCCM).

(1) Total ownership (DEPR + FCCM) can be adjusted to account for actual age of the equipment. The hourly ownership elements shown in TABLE 2-2 can be factored for age using TABLE 3-1.

(2) FCCM Adjustment. If the cost-of-money rate shown in Chapter 2 is no longer current, the FCCM portion of the rate shall be adjusted upward or downward to match the cost-of-money rate for the period of use in question. For example, if the cost-of-money rate should increase by 10% (say from 8.50% to 9.35%), then 10% of the hourly FCCM cost (from TABLE 2-2) will be added to the total hourly rate. See APPENDIX I, Federal Cost of Money Rate, for a listing of cost-of-money rates (shown through June 1993).

b. Operating cost elements. These consist of fuel (FUEL), filters, oil, and grease (FOG), repairs (RPR), tire wear (TIRE WEAR), and tire repair (TIRE RPR).

(1) Hourly fuel costs shall be adjusted in the event the average fuel prices f.o.b. jobsite vary by more than 10 percent above or below the price assumed in Appendix B. For example, if the price per gallon should increase by 15 percent, then 15 percent of the hourly fuel cost will be added to the total hourly rate. 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.

(2) The hourly FOG allowance shall be adjusted upward or downward in conjunction with any authorized fuel price revisions.

(3) There is no rate adjustment procedure for repairs, tire wear, or tire repair.

3-5. Overage Equipment

a. When a unit of equipment has exceeded the economic life given in APPENDIX D, it is considered overage and the ownership portion of the rate shall be adjusted. This adjusted rate will not exceed the rate for the same unit of equipment that is not overage.

b. The total hourly operating rate for overage equipment shall be computed on the basis that the equipment is as old as possible without exceeding the LIFE as shown in APPENDIX D. In other words, the base year for determining overage equipment value is the year for which the last factor in TABLE 3-1 is given.

If there is no comparable unit of equipment shown in TABLE 2-1, the total hourly rate can be computed following the example shown in Figure 3-1.

c. Age adjustment factors are listed in TABLE 3-2, Equipment Age Adjustment Factors for Standby Costs, for factoring the standby rate shown in TABLE 2-1, provided the equipment is not overage. If the equipment is overage, compute the standby rate as shown in the example in Figure 3-2. Overage standby computations shall be based on the actual purchase price and the year of manufacture.

3-6. Equipment Purchased Used. A detailed methodology for computing a total hourly rate for equipment purchased used is not included in this pamphlet. Examples shown in TABLE 3-1 illustrate the basic principles for estimating used equipment rates.

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

b. When actual cost data in accordance with Chapter 1 is not available, a total 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.

3-7. Equipment Not Listed. When a unit of equipment is not listed in TABLE 2-1, the hourly rate may be determined by using the hourly rate listed for a similar piece of equipment or by proportioning a rate listed so that capacity, size, and horsepower are properly considered. When an hourly rate cannot be determined using TABLE 2-1, rates will be calculated following the methodology outlined in Chapter 2 and the adjustments explained in this chapter.

## SECTION II. EQUIPMENT SELECTION

3-8. 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, the truck body, and the 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.

3-9. Crawler Tractor Selection. Because of the various number of dozer and ripper combinations available for each crawler tractor, the tractors and attachments may be shown separately. Only the hourly expense for those attachments that are required to perform the work shall be allowed. It should be noted that some makes and models of crawler tractors include the blade attachment while others require all attachments to be added separately.

3-10. Equipment Accessories. Equipment accessories included on the major pieces of equipment in TABLE 2-1 are listed in APPENDIX J, Equipment Accessories.

3-11. Rate Calculation Example. Figure 3-1, Total Hourly Rate Calculation for Overage Equipment, illustrates how total hourly rates are adjusted for overage equipment. Figure 3-2, Standby Rate Calculation for Overage Equipment, gives a sample calculation for computing adjusted standby rates. Rate software is also available for rate computation (see Chapter 1).

## TABLE 3-1

## EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

## (EXAMPLE)

The "Equipment Age Adjustment Factors for Ownership Costs" in TABLE 3-1 are used when the age of an unit of equipment is other than the age of the equipment listed in TABLE 2-1. The factors given in TABLE 3-1 are multiplied by the hourly ownership costs when 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 equipment has exceeded the economic service life given in APPENDIX D, the age will be determined as given in paragraph 3-2.b.

EXAMPLE: Assume that a 50-ton truck crane, manufactured in 1990, (category C90.02) listed in TABLE 2-1 has a total hourly rate of $55.00 per hour and an ownership rate of $30.00 per hour.

A. If an equivalent crane owned by a contractor had been purchased new in 1985, the total hourly rate can be determined as follows:

| | |
|---|---|
| Total hourly rate | $55.00 |
| Ownership rate | ($30.00) |
| Ownership adjusted for age<br>(ownership rate = $30.00) x (age adjustment factor = .80) | $24.00 |
| Adjusted total hourly rate | $49.00 |

B. If an equivalent crane owned by a contractor had been purchased new in 1972, this crane is overage and the total hourly rate can be determined as follows:

| | |
|---|---|
| Total hourly rate | $55.00 |
| Ownership rate | ($30.00) |
| Ownership adjusted for age<br>(ownership rate = $30.00) x (oldest age adjustment factor = .77) | $23.10 |
| Adjusted total hourly rate | $48.10 |

C. If an equivalent crane, manufactured in 1972, had been purchased used in 1982 by the contractor, the crane is overage and the rate computation would be identical to Example B.

D. If an equivalent crane, manufactured in 1985, had been purchased used in 1987 by the contractor, the used crane is not overage and the rate computation would be identical to Example A.

## TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| A10 0.00 | AGGREGATE/CHIP SPREADERS | | | | | | | | | | | | | | | |
| A10 0.10 | SELF PROPELLED | 1.09 | 1.06 | 1.00 | 0.96 | 0.93 | 0.90 | 0.89 | | | | | | | | |
| A10 0.20 | TOWED & TAILGATE | 1.10 | 1.06 | 1.00 | 0.96 | | | | | | | | | | | |
| A15 0.00 | AIR COMPRESSORS, PORTABLE | | | | | | | | | | | | | | | |
| A15 0.10 | ROTARY SCREW | 1.03 | 1.00 | 1.00 | 0.96 | 0.90 | 0.86 | 0.85 | | | | | | | | |
| A15 0.20 | SHOP TYPE, ELECTRIC | 1.03 | 1.00 | 1.00 | 0.96 | 0.91 | 0.86 | 0.86 | 0.87 | | | | | | | |
| A20 0.00 | AIR HOSE, TOOLS & EQUIPMENT | | | | | | | | | | | | | | | |
| A20 0.10 | AIR HOSES | 1.03 | 1.00 | 1.00 | | | | | | | | | | | | |
| A20 0.20 | BLAST HOSE | 1.03 | 1.00 | 1.00 | | | | | | | | | | | | |
| A20 0.30 | SANDBLASTERS & BREAKERS | 1.03 | 1.00 | 1.00 | | | | | | | | | | | | |
| A25 0.00 | ASPHALT DISTRIBUTORS | 1.10 | 1.06 | 1.00 | 0.96 | 0.93 | | | | | | | | | | |
| A30 0.00 | ASPHALT FINISHERS/PAVERS | | | | | | | | | | | | | | | |
| A30 0.10 | SELF PROPELLED | 1.09 | 1.06 | 1.00 | 0.96 | 0.93 | 0.90 | 0.89 | | | | | | | | |
| A30 0.20 | TOWED | 1.09 | 1.06 | 1.00 | 0.96 | 0.93 | 0.90 | 0.89 | | | | | | | | |
| A35 0.00 | ASPHALT KETTLES | 1.10 | 1.06 | 1.00 | 0.96 | | | | | | | | | | | |
| A40 0.00 | ASPHALT & CONCR. MILLERS/PROFILERS | 1.09 | 1.06 | 1.00 | 0.96 | 0.93 | 0.90 | 0.89 | | | | | | | | |
| A45 0.00 | ASPHALT RECYCLERS & SEALERS | 1.10 | 1.06 | 1.00 | 0.96 | 0.93 | | | | | | | | | | |
| B00 0.00 | BACKHOE (SEE HYD. EXCAV.) | | | | | | | | | | | | | | | |
| B10 0.00 | BATCH PLANTS,ASPHALT & CONCRETE | | | | | | | | | | | | | | | |
| B10 0.10 | ASPHALT | 1.09 | 1.05 | 1.00 | 0.96 | 0.93 | 0.91 | 0.89 | | | | | | | | |
| B10 0.20 | CONCRETE | 1.09 | 1.05 | 1.00 | 0.96 | 0.93 | 0.91 | 0.89 | | | | | | | | |
| B10 0.30 | PUGMILL | 1.09 | 1.05 | 1.00 | 0.96 | 0.93 | 0.91 | 0.89 | | | | | | | | |
| B15 0.00 | BROOMS, STREET SWEEPERS & FLUSHERS | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| B20 0.00 | BRUSH CHIPPERS | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| B25 0.00 | BUCKETS, CLAMSHELL | 1.10 | 1.05 | 1.00 | 0.93 | 0.84 | 0.82 | 0.81 | | | | | | | | |

## TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| B30 0.00 | BUCKETS, CONCRETE | | | | | | | | | | | | | | | |
| B30 0.10 | GENERAL PURPOSE, MANUAL | 1.11 | 1.06 | 1.00 | 0.93 | 0.84 | 0.81 | 0.80 | | | | | | | | |
| B30 0.20 | LAYDOWN | 1.11 | 1.06 | 1.00 | 0.93 | 0.84 | 0.81 | 0.80 | | | | | | | | |
| B30 0.30 | LOWBOY | 1.11 | 1.06 | 1.00 | 0.93 | 0.84 | 0.81 | 0.80 | | | | | | | | |
| B30 0.40 | LOW SLUMP | 1.11 | 1.06 | 1.00 | 0.93 | 0.84 | 0.81 | 0.80 | | | | | | | | |
| B35 0.00 | BUCKETS, DRAGLINE | | | | | | | | | | | | | | | |
| B35 0.10 | LIGHT WEIGHT | 1.11 | 1.05 | 1.00 | 0.93 | 0.84 | | | | | | | | | | |
| B35 0.20 | MEDIUM WEIGHT | 1.10 | 1.05 | 1.00 | 0.93 | 0.84 | 0.82 | | | | | | | | | |
| B35 0.30 | HEAVY WEIGHT | 1.10 | 1.05 | 1.00 | 0.93 | 0.84 | 0.82 | 0.81 | | | | | | | | |
| C05 0.00 | CHAIN SAWS | 1.07 | 1.03 | 1.00 | | | | | | | | | | | | |
| C10 0.00 | COMPACTORS, MANUALLY OPERATED | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| C15 0.00 | CONCRETE BLASTERS | 1.07 | 1.04 | 1.00 | 0.96 | | | | | | | | | | | |
| C20 0.00 | CONCRETE BUGGIES | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| C25 0.00 | CONCRETE FINISHERS | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| C30 0.00 | CONCRETE GRINDERS | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| C35 0.00 | CONCRETE GUNITERS/SHOTCRETERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| C40 0.00 | CONCRETE/WASTE MIXERS | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| C45 0.00 | CONCRETE PAVING MACHINES | 1.09 | 1.06 | 1.00 | 0.96 | 0.93 | 0.90 | 0.89 | | | | | | | | |
| C55 0.00 | CONCRETE PUMPS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| C60 0.00 | CONCRETE SAWS | 1.07 | 1.04 | 1.00 | 0.96 | | | | | | | | | | | |
| C65 0.00 | CONCRETE VIBRATORS | 1.03 | 1.00 | 1.00 | | | | | | | | | | | | |
| C70 0.00 | CRANES, GANTRY & STRADDLE | | | | | | | | | | | | | | | |
| C75 0.00 | CRANES, HYDRAULIC, SELF-PROP. | 1.12 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.79 | 0.78 | | | | | | |
| C80 0.00 | CRANES, HYDRAULIC, TRUCK MTD | | | | | | | | | | | | | | | |
| C80 0.01 | UNDER 26 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.79 | 0.78 | | | | | | |

## TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| C80 0.02 | 26 TON THRU 65 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | | | | | |
| C80 0.03 | 66 TON THRU 125 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | 0.75 | | | | |
| C80 0.04 | OVER 125 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | 0.75 | 0.70 | 0.64 | | |
| C85 0.00 | CRANES, MECHANICAL, CRAWLER MTD | | | | | | | | | | | | | | | |
| C85 0.10 | DRAGLINE, CLAMSHELL | | | | | | | | | | | | | | | |
| C85 0.11 | 0 THRU 1 CY | 1.12 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.79 | | | | | | | |
| C85 0.12 | OVER 1 CY THRU 2-1/2 CY | 1.12 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.79 | 0.78 | | | | | | |
| C85 0.13 | OVER 2-1/2 CY THRU 5 CY | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | | | | | |
| C85 0.14 | OVER 5 CY | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | 0.75 | | | | |
| C85 0.20 | LIFTING | | | | | | | | | | | | | | | |
| C85 0.21 | 0 THRU 25 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.79 | | | | | | | |
| C85 0.22 | 26 TON THRU 50 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | | | | | |
| C85 0.23 | 51 TON THRU 150 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | 0.75 | | | | |
| C85 0.24 | OVER 150 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | 0.75 | 0.70 | 0.64 | | |
| C90 0.00 | CRANES, MECHANICAL, TRUCK MTD | | | | | | | | | | | | | | | |
| C90 0.01 | UNDER 26 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.79 | 0.78 | | | | | | |
| C90 0.02 | 26 TON THRU 65 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | | | | | |
| C90 0.03 | 66 TON THRU 125 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | 0.75 | | | | |
| C90 0.04 | OVER 125 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | 0.75 | 0.70 | 0.64 | | |
| C95 0.00 | CRANES, TOWER | 1.12 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.79 | 0.78 | 0.76 | 0.74 | | | | |
| D10 0.00 | DRILLS, AIR TRACK, CRAWLER MTD | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.89 | 0.89 | | | | | | | | |
| D15 0.00 | DRILLS, BORING MACHINES | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.89 | 0.89 | | | | | | | | |
| D20 0.00 | DRILLS, CORE, COLUMN MOUNTED | 1.08 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| D25 0.00 | DRILLS, CORE, SKID MOUNTED | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.89 | 0.89 | | | | | | | | |
| D30 0.00 | DRILLS, EARTH/AUGER | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.89 | 0.89 | | | | | | | | |

## TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| D35 0.00 | DRILLS, ROTARY BLAST HOLE | | | | | | | | | | | | | | | |
| D35 0.10 | DIESEL or GASOLINE | | | | | | | | | | | | | | | |
| D35 0.11 | 0" THRU 11" DIA. HOLE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.89 | 0.89 | 0.91 | 0.90 | | | | | | |
| D35 0.12 | OVER 11" DIAM. | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.90 | 0.89 | 0.91 | 0.90 | 0.91 | 0.90 | | | | |
| D35 0.20 | ELECTRIC | | | | | | | | | | | | | | | |
| D35 0.21 | 0" THRU 11" DIA. HOLE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.89 | 0.89 | 0.91 | 0.90 | | | | | | |
| D35 0.22 | OVER 11" DIAM. | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.90 | 0.89 | 0.91 | 0.90 | 0.91 | 0.90 | | | | |
| F10 0.00 | FORK LIFTS | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.88 | 0.85 | | | | | | | | |
| G10 0.00 | GENERATOR SETS | | | | | | | | | | | | | | | |
| G10 0.10 | PORTABLE | 1.05 | 1.02 | 1.00 | 0.97 | 0.90 | | | | | | | | | | |
| G10 0.20 | SKID MOUNTED | 1.05 | 1.02 | 1.00 | 0.97 | 0.91 | 0.85 | 0.83 | | | | | | | | |
| G15 0.00 | GRADERS, MOTOR | 1.08 | 1.04 | 1.00 | 0.96 | 0.90 | 0.87 | 0.83 | 0.82 | | | | | | | |
| H10 0.00 | HAMMERS, HYDRAULIC | 1.07 | 1.04 | 1.00 | 0.96 | | | | | | | | | | | |
| H13 0.00 | HAZARD/TOXIC WASTE EQUIPMENT | | | | | | | | | | | | | | | |
| H13 0.10 | COMPACTORS (COMPRESSION FORCE) | | | | | | | | | | | | | | | |
| H13 0.11 | 0 THRU 50 TONS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| H13 0.12 | OVER 50 TONS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | 0.84 | | | | | | | |
| H13 0.20 | FILTER PRESSES | | | | | | | | | | | | | | | |
| H13 0.21 | STATIONARY | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.88 | 0.85 | | | | | | | | |
| H13 0.22 | MOBILE | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| H13 0.30 | CENTRIFUGES | 1.08 | 1.04 | 1.00 | | | | | | | | | | | | |
| H13 0.40 | SHREDDERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| H13 0.50 | SOIL TREATMENT PLANT | | | | | | | | | | | | | | | |
| H13 0.51 | MOBILE | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| H13 0.60 | SLUDGE PROCESSING EQUIPMENT | | | | | | | | | | | | | | | |

## TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| H13 0.61 | SLUDGE DISPENSERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| H13 0.70 | WASTE HANDLING EQUIPMENT | | | | | | | | | | | | | | | |
| H13 0.71 | DRUM HANDLING | 1.07 | 1.03 | 1.00 | | | | | | | | | | | | |
| H15 0.00 | HEATERS, SPACE | | | | | | | | | | | | | | | |
| H20 0.00 | HOIST | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.87 | | | | | | | | | |
| H25 0.00 | HYDRAULIC EXCAVATORS, CRAWLER MTD | | | | | | | | | | | | | | | |
| H25 0.10 | DIESEL or GASOLINE | | | | | | | | | | | | | | | |
| H25 0.11 | 0 THRU 1 CY | 1.09 | 1.04 | 1.00 | 0.94 | 0.86 | | | | | | | | | | |
| H25 0.12 | OVER 1 CY THRU 2-1/2 CY | 1.08 | 1.04 | 1.00 | 0.95 | 0.87 | 0.84 | 0.81 | | | | | | | | |
| H25 0.13 | OVER 2-1/2 CY THRU 5 CY | 1.08 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.79 | | | | | | | |
| H25 0.14 | OVER 5 CY | 1.08 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.80 | 0.78 | | | | | | |
| H25 0.20 | ATTACHMENTS | | | | | | | | | | | | | | | |
| H25 0.21 | MOBILE SHEARS | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| H25 0.22 | MATERIAL HANDLING | 1.07 | 1.04 | 1.00 | 0.96 | | | | | | | | | | | |
| H25 0.23 | CONCRETE PULVERIZERS | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| H30 0.00 | HYDRAULIC EXCAVATORS, WHEEL MTD | | | | | | | | | | | | | | | |
| H30 0.01 | 0 THRU 1 CY | 1.08 | 1.04 | 1.00 | 0.95 | 0.86 | | | | | | | | | | |
| H30 0.02 | OVER 1 CY | 1.08 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | | | | | | | | |
| H35 0.00 | HYDRAULIC SHOVELS, CRAWLER MOUNTED | | | | | | | | | | | | | | | |
| H35 0.10 | DIESEL | | | | | | | | | | | | | | | |
| H35 0.11 | 0 CY THRU 5 CY | 1.08 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.80 | 0.78 | | | | | | |
| H35 0.12 | OVER 5 CY | 1.07 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | | | | | |
| H35 0.20 | ELECTRIC | | | | | | | | | | | | | | | |
| H35 0.21 | OVER 2-1/2 CY | 1.08 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.79 | 0.78 | 0.76 | 0.74 | | | | |
| L10 0.00 | LAND CLEARING EQUIPMENT | 1.08 | 1.03 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |

## TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| L15 0.00 | LAWN MOWERS | 1.07 | 1.03 | 1.00 | | | | | | | | | | | | |
| L20 0.00 | LIGHTING SETS, TRAILER MOUNTED | | | | | | | | | | | | | | | |
| L20 0.10 | METALLIC VAPOR | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| L25 0.00 | LINE STRIPING EQUIPMENT | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| L30 0.00 | LOADERS, BELT | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.88 | 0.85 | | | | | | | | |
| L35 0.00 | LOADERS, FRONT END, CRAWLER TYPE | 1.08 | 1.03 | 1.00 | 0.96 | 0.90 | 0.83 | 0.79 | | | | | | | | |
| L40 0.00 | LOADERS, FRONT END, WHEEL TYPE | | | | | | | | | | | | | | | |
| L40 0.10 | ARTICULATED | | | | | | | | | | | | | | | |
| L40 0.11 | 0 THRU 225 HP | 1.06 | 1.03 | 1.00 | 0.97 | 0.92 | 0.88 | 0.85 | | | | | | | | |
| L40 0.12 | OVER 225 HP | 1.05 | 1.03 | 1.00 | 0.97 | 0.93 | 0.89 | 0.87 | 0.86 | | | | | | | |
| L40 0.20 | SKID STEER | 1.05 | 1.03 | 1.00 | 0.97 | 0.92 | | | | | | | | | | |
| L40 0.30 | TOOL CARRIER | | | | | | | | | | | | | | | |
| L40 0.31 | 0 THRU 225 HP | 1.06 | 1.03 | 1.00 | 0.97 | 0.92 | 0.88 | 0.85 | | | | | | | | |
| L40 0.32 | OVER 225 HP | 1.05 | 1.03 | 1.00 | 0.97 | 0.93 | 0.89 | 0.87 | 0.86 | | | | | | | |
| L45 0.00 | LOADERS w/ BACKHOE, CRAWLER TYPE | 1.08 | 1.03 | 1.00 | 0.96 | 0.90 | 0.83 | 0.79 | | | | | | | | |
| L50 0.00 | LOADERS w/ BACKHOE, WHEEL TYPE | 1.06 | 1.03 | 1.00 | 0.97 | 0.92 | 0.88 | 0.85 | | | | | | | | |
| L55 0.00 | LOADER/BACKHOE, ATTACHMENTS | 1.07 | 1.04 | 1.00 | 0.96 | | | | | | | | | | | |
| L60 0.00 | LOG SKIDDERS | 1.04 | 1.02 | 1.00 | 0.97 | 0.95 | 0.93 | 0.92 | | | | | | | | |
| M10 0.00 | MARINE EQUIPMENT | | | | | | | | | | | | | | | |
| M10 0.10 | MARINE MAINTENANCE EQUIPMENT | | | | | | | | | | | | | | | |
| M10 0.11 | AQUATIC MAINTENANCE,-LAKES/HARBORS | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.89 | | | | | | | | |
| M10 0.12 | ATTACHMENTS FOR (M10 .10) | 1.09 | 1.05 | 1.00 | 0.95 | | | | | | | | | | | |
| M10 0.20 | PORTABLE (TRUCKABLE) HYDRAULIC | | | | | | | | | | | | | | | |
| M10 0.20 | DREDGES 12" OR LESS | | | | | | | | | | | | | | | |
| M10 0.21 | CUTTERHEAD DREDGE, 8" OR LESS | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.89 | | | | | | | | |

## TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| M10 0.22 | CUTTERHEAD DREDGE OVER 8" THRU 12" | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.90 | 0.87 | | | | | | | |
| M10 0.23 | AUGERHEAD DREDGE, 12" OR LESS | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.89 | | | | | | | | |
| M10 0.24 | FLOATING PUMPS, 12" OR LESS | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | | | | | | | | | | |
| M10 0.25 | DREDGE PUMPS, 12" OR LESS | 1.08 | 1.05 | 1.00 | 0.95 | | | | | | | | | | | |
| M10 0.26 | ATTACHMENTS FOR (M10 .20) | 1.08 | 1.05 | 1.00 | 0.95 | | | | | | | | | | | |
| M10 0.30 | SMALL MECHANICAL DREDGES | | | | | | | | | | | | | | | |
| M10 0.31 | CLAMSHELL BARGE-MOUNTED TO 5 CY | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | 0.80 | 0.78 | 0.77 | 0.75 | 0.70 | 0.64 | | |
| M10 0.32 | AMPHIBIOUS EXCAVATORS | 1.08 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | 0.79 | | | | | | | |
| M10 0.33 | HOE-MOUNTED DREDGING EXCAVATOR | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.90 | 0.87 | 0.84 | 0.80 | 0.77 | 0.74 | 0.65 | | |
| M10 0.40 | BARGES & FLOATS (NON-DREDGING) | | | | | | | | | | | | | | | |
| M10 0.41 | WORK FLOATS | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| M10 0.42 | WORK BARGES (SECTIONAL) | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.90 | | | | | | | | |
| M10 0.45 | FLAT-DECK OR CARGO BARGE | 1.07 | 1.04 | 1.00 | 0.96 | 0.91 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.79 | 0.75 | 0.67 | 0.59 | 0.53 |
| M10 0.46 | HOPPER BARGE | 1.07 | 1.04 | 1.00 | 0.96 | 0.91 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.79 | 0.75 | 0.67 | 0.59 | 0.53 |
| M10 0.47 | DRILL BARGE | 1.07 | 1.04 | 1.00 | 0.96 | 0.91 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.79 | 0.75 | 0.67 | 0.59 | 0.53 |
| M10 0.48 | ALL OTHER BARGES | 1.07 | 1.04 | 1.00 | 0.96 | 0.91 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.79 | 0.75 | 0.67 | 0.59 | 0.53 |
| M10 0.50 | TUGS, BOATS & LAUNCHES | | | | | | | | | | | | | | | |
| M10 0.51 | 0 THRU 250 HP | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.89 | 0.86 | | | | | | | |
| M10 0.52 | 251 THRU 300 HP | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.89 | 0.86 | | | | | | | |
| M10 0.53 | 301 THRU 500 HP | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.89 | 0.86 | 0.83 | | | | | | |
| M10 0.54 | 501 THRU 1,000 HP | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.90 | 0.87 | 0.84 | 0.80 | 0.77 | 0.74 | 0.65 | | |
| M10 0.55 | OVER 1,000 HP | 1.07 | 1.04 | 1.00 | 0.96 | 0.91 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.78 | 0.75 | 0.67 | 0.59 | 0.53 |
| P10 0.00 | PILE EXTRACTORS & LEADS | 1.06 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| P20 0.00 | PILE HAMMERS, DOUBLE ACTING | 1.06 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| P25 0.00 | PILE HAMMERS, SINGLE ACTING | 1.06 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |

## TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| P30 0.00 | PILE HAMMERS, VIBRATORY | 1.06 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| P35 0.00 | PIPELAYERS | 1.08 | 1.03 | 1.00 | 0.96 | 0.89 | 0.83 | 0.79 | 0.79 | | | | | | | |
| P40 0.00 | PLATFORMS, AERIAL WORK | 1.13 | 1.04 | 1.00 | 0.95 | 0.86 | | | | | | | | | | |
| P45 0.00 | PUMPS, GROUT | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| P50 0.00 | PUMPS, WATER, CENTRIFUGAL, TRASH | | | | | | | | | | | | | | | |
| P50 0.10 | SKID MOUNTED | | | | | | | | | | | | | | | |
| P50 0.11 | ENGINE DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| P50 0.12 | ELECTRIC DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| P50 0.20 | WHEEL MOUNTED | | | | | | | | | | | | | | | |
| P50 0.21 | ENGINE DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| P50 0.22 | ELECTRIC DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| P55 0.00 | PUMPS, WATER, SUBMERSIBLE | | | | | | | | | | | | | | | |
| P55 0.01 | ENGINE DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | 0.87 | 0.85 | | | | | | | | |
| P55 0.02 | ELECTRIC DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | 0.87 | 0.85 | | | | | | | | |
| P60 0.00 | PUMPS, WATER,CENTRIF,DEWATERING | | | | | | | | | | | | | | | |
| P60 0.10 | SKID MOUNTED | | | | | | | | | | | | | | | |
| P60 0.11 | ENGINE DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| P60 0.12 | ELECTRIC DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| P60 0.20 | WHEEL MOUNTED | | | | | | | | | | | | | | | |
| P60 0.21 | ENGINE DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| P60 0.22 | ELECTRIC DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| P65 0.00 | PUMPS, WATER, DIAPHRAGM | | | | | | | | | | | | | | | |
| P65 0.10 | SKID MOUNTED | | | | | | | | | | | | | | | |
| P65 0.11 | ENGINE DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| P65 0.12 | ELECTRIC DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |

## TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| P65 0.20 | WHEEL MOUNTED | | | | | | | | | | | | | | | |
| P65 0.21 | ENGINE DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| P65 0.22 | ELECTRIC DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| P70 0.00 | PUMPS, WATER (FOR CORE DRILLS) | | | | | | | | | | | | | | | |
| P70 0.01 | ENGINE DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| P70 0.02 | ELECTRIC DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| R10 0.00 | RIPPERS & HYDRAULIC BANK SLOPERS | 1.08 | 1.03 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| R15 0.00 | ROLLERS, TOWED - PNEUMATIC | 1.05 | 1.01 | 1.00 | 0.97 | 0.94 | 0.89 | 0.88 | | | | | | | | |
| R20 0.00 | ROLLERS, TOWED - STEEL DRUM | 1.05 | 1.01 | 1.00 | 0.97 | 0.94 | 0.89 | 0.88 | | | | | | | | |
| R30 0.00 | ROLLERS, STATIC, SELF-PROPELLED | | | | | | | | | | | | | | | |
| R30 0.01 | PNEUMATIC | 1.05 | 1.01 | 1.00 | 0.97 | 0.94 | | | | | | | | | | |
| R30 0.02 | SMOOTH DRUM | 1.05 | 1.01 | 1.00 | 0.97 | 0.94 | 0.89 | 0.88 | | | | | | | | |
| R30 0.03 | TAMPING FOOT | 1.05 | 1.01 | 1.00 | 0.97 | 0.94 | 0.89 | 0.88 | | | | | | | | |
| R40 0.00 | ROLLERS, VIBRATORY, TOWED | 1.05 | 1.01 | 1.00 | 0.97 | 0.94 | | | | | | | | | | |
| R45 0.00 | ROLLERS, VIBRATORY, DOUBLE DRUM, | 1.05 | 1.01 | 1.00 | 0.97 | 0.94 | | | | | | | | | | |
| R50 0.00 | ROLLERS, VIBRATORY, SINGLE DRUM | 1.05 | 1.01 | 1.00 | 0.97 | 0.94 | | | | | | | | | | |
| R55 0.00 | ROOFING EQUIPMENT | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| S10 0.00 | SCRAPERS, ELEVATING | | | | | | | | | | | | | | | |
| S10 0.01 | 0 THRU 200 HP | 1.08 | 1.04 | 1.00 | 0.96 | 0.90 | 0.88 | 0.84 | | | | | | | | |
| S10 0.02 | OVER 200 HP | 1.08 | 1.04 | 1.00 | 0.96 | 0.91 | 0.88 | 0.84 | | | | | | | | |
| S15 0.00 | SCRAPERS, CONVENTIONAL | 1.08 | 1.04 | 1.00 | 0.96 | 0.91 | 0.88 | 0.84 | | | | | | | | |
| S20 0.00 | SCRAPERS, TANDEM POWERED | 1.08 | 1.04 | 1.00 | 0.96 | 0.91 | 0.88 | 0.84 | | | | | | | | |
| S25 0.00 | SCRAPERS, TRACTOR DRAWN | 1.08 | 1.04 | 1.00 | 0.96 | 0.91 | 0.88 | 0.84 | 0.83 | | | | | | | |
| S30 0.00 | SCREENING & CRUSHING PLANTS | | | | | | | | | | | | | | | |
| S30 0.10 | CONVEYORS | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.88 | 0.85 | | | | | | | | |

## TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| S30 0.20 | CRUSHERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| S30 0.30 | SCREENING PLANT | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.88 | 0.85 | | | | | | | | |
| S35 0.00 | SNOW REMOVAL EQUIPMENT | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| S40 0.00 | SOIL STABILIZERS | 1.08 | 1.04 | 1.00 | 0.96 | 0.90 | 0.88 | 0.84 | | | | | | | | |
| S45 0.00 | SPLITTERS, ROCK & CONCRETE | 1.07 | 1.04 | 1.00 | 0.96 | | | | | | | | | | | |
| T10 0.00 | TRACTOR BLADES & ATTACHMENTS | 1.08 | 1.03 | 1.00 | 0.96 | 0.90 | 0.83 | 0.79 | | | | | | | | |
| T15 0.00 | TRACTORS, CRAWLER (DOZER) | | | | | | | | | | | | | | | |
| T15 0.01 | 0 THRU 225 HP | 1.08 | 1.03 | 1.00 | 0.96 | 0.89 | 0.82 | 0.78 | | | | | | | | |
| T15 0.02 | 226 HP THRU 425 HP | 1.08 | 1.03 | 1.00 | 0.96 | 0.90 | 0.83 | 0.79 | | | | | | | | |
| T15 0.03 | OVER 425 HP | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.84 | 0.81 | 0.80 | | | | | | | |
| T20 0.00 | TRACTORS, WHEEL TYPE (DOZER) | 1.04 | 1.02 | 1.00 | 0.97 | 0.95 | 0.93 | 0.92 | | | | | | | | |
| T25 0.00 | TRACTORS, WHEEL TYPE (FARM) | 1.04 | 1.02 | 1.00 | 0.97 | 0.95 | | | | | | | | | | |
| T30 0.00 | TRENCHERS, CHAIN | 1.05 | 1.02 | 1.00 | 0.97 | 0.95 | | | | | | | | | | |
| T35 0.00 | TRENCHERS, WHEEL TYPE | 1.05 | 1.02 | 1.00 | 0.97 | 0.95 | 0.93 | 0.93 | | | | | | | | |
| T40 0.00 | TRUCK OPTIONS, (ADD TRUCK) | | | | | | | | | | | | | | | |
| T40 0.10 | CRANES, HYDRAULIC | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| T40 0.20 | DUMP BODY, REAR | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| T40 0.30 | FLATBEDS, W/ CONT. SIDES | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| T40 0.40 | HOIST | | | | | | | | | | | | | | | |
| T40 0.41 | ELECTRIC DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| T40 0.50 | TRANSIT MIXERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| T40 0.60 | WATER TANKS | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| T40 0.70 | ALL OTHER OPTIONS | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| T45 0.00 | TRUCK TRAILERS, | | | | | | | | | | | | | | | |
| T45 0.10 | BOTTOM DUMP | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |

## TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| T45 0.20 | END DUMP | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| T45 0.30 | PUP TRAILER | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| T45 0.40 | LOWBOY (EQUIPMENT HAULING) | | | | | | | | | | | | | | | |
| T45 0.41 | RIGID NECK, DROP DECK | 1.08 | 1.04 | 1.00 | 0.95 | 0.89 | 0.86 | 0.84 | | | | | | | | |
| T45 0.50 | PLATFORM TRAILER | 1.08 | 1.04 | 1.00 | 0.95 | 0.89 | 0.86 | 0.84 | | | | | | | | |
| T45 0.60 | TILT TRAILER | 1.08 | 1.04 | 1.00 | 0.95 | 0.89 | 0.86 | 0.84 | | | | | | | | |
| T45 0.70 | WATER TANKER TRAILER | 1.08 | 1.04 | 1.00 | 0.95 | 0.89 | 0.86 | 0.84 | | | | | | | | |
| T45 0.80 | DECONTAMINATION FACILITY | 1.08 | 1.04 | 1.00 | 0.95 | 0.89 | | | | | | | | | | |
| T45 0.90 | TANK TRAILERS | 1.08 | 1.04 | 1.00 | 0.95 | 0.89 | 0.86 | 0.84 | | | | | | | | |
| T50 0.00 | TRUCKS, HIGHWAY | | | | | | | | | | | | | | | |
| T50 0.01 | 0 THRU 10,000 GVW | 1.09 | 1.04 | 1.00 | 0.98 | 0.93 | | | | | | | | | | |
| T50 0.02 | OVER 10,000 THRU 30,000 GVW | 1.09 | 1.04 | 1.00 | 0.98 | 0.93 | | | | | | | | | | |
| T50 0.03 | OVER 30,000 GVW | 1.08 | 1.04 | 1.00 | 0.98 | 0.94 | | | | | | | | | | |
| T55 0.00 | TRUCKS, OFF-HIGHWAY | 1.07 | 1.03 | 1.00 | 0.95 | 0.87 | 0.83 | 0.81 | 0.81 | | | | | | | |
| T57 0.00 | TRUCKS, VACUUM | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.88 | 0.85 | | | | | | | | |
| T60 0.00 | TRUCKS, WATER, OFF-HIGHWAY | 1.07 | 1.03 | 1.00 | 0.95 | 0.87 | 0.82 | 0.80 | 0.80 | | | | | | | |
| T65 0.00 | TUNNEL/MINING EQUIPMENT | | | | | | | | | | | | | | | |
| T65 0.10 | DRIFTING & TUNNELING DRILLS | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.90 | 0.90 | 0.91 | 0.90 | | | | | | |
| T65 0.20 | TUNNEL BORING MACHINES | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.89 | 0.87 | 0.86 | 0.84 | 0.83 | 0.81 | 0.75 | 0.66 | 0.58 | |
| T65 0.30 | PRODUCTION DRILLING RIGS | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.90 | 0.90 | 0.91 | | | | | | | |
| T65 0.40 | ROADHEADERS & CONTINUOUS MINERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | 0.85 | 0.84 | 0.82 | | | | | |
| T65 0.50 | ROCK BOLTING EQUIPMENT | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.88 | 0.85 | | | | | | | | |
| T65 0.60 | LOADING & HAULING EQUIPMENT | | | | | | | | | | | | | | | |
| T65 0.61 | DIESEL OR GASOLINE | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | 0.84 | | | | | | | |
| T65 0.62 | ELECTRIC | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | 0.85 | 0.83 | | | | | | |

## TABLE 3-1. EQUIPMENT AGE ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| T65 0.63 | AIR-POWERED | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | 0.87 | 0.85 | | | | | | | | |
| T65 0.70 | LOCOMOTIVES | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | 0.84 | | | | | | | |
| T65 0.90 | OTHER TUNNELING EQUIPMENT | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.88 | 0.85 | | | | | | | | |
| W10 0.00 | WAGONS, BOTTOM DUMP | 1.07 | 1.03 | 1.00 | 0.95 | 0.87 | 0.83 | 0.81 | 0.81 | | | | | | | |
| W15 0.00 | WAGONS, REAR DUMP | 1.07 | 1.03 | 1.00 | 0.95 | 0.87 | 0.83 | 0.81 | 0.81 | | | | | | | |
| W25 0.00 | WATER & CO2 BLASTERS | | | | | | | | | | | | | | | |
| W25 0.10 | LOW PRESSURE, ( < 5,000 PSI) | 1.08 | 1.04 | 1.00 | | | | | | | | | | | | |
| W25 0.20 | HIGH PRESSURE, (>= 5,000 PSI) | 1.07 | 1.04 | 1.00 | 0.96 | | | | | | | | | | | |
| W25 0.30 | STEAM CLEANERS | 1.08 | 1.04 | 1.00 | | | | | | | | | | | | |
| W25 0.40 | CO2 BLASTERS | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| W30 0.00 | WATER TANKS | | | | | | | | | | | | | | | |
| W30 0.10 | PORTABLE W/ WHEELS | 1.07 | 1.03 | 1.00 | 0.95 | 0.87 | 0.82 | 0.80 | 0.80 | | | | | | | |
| W30 0.20 | SKID MOUNTED | 1.07 | 1.03 | 1.00 | 0.95 | 0.87 | 0.82 | 0.80 | 0.80 | | | | | | | |
| W35 0.00 | WELDERS | | | | | | | | | | | | | | | |
| W35 0.10 | GASOLINE or DIESEL DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.89 | | | | | | | | | | |
| W35 0.20 | ELECTRICAL | | | | | | | | | | | | | | | |
| W35 0.21 | ELECTRIC DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| W35 0.22 | MIG | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| W35 0.23 | RECTIFIER | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| W35 0.24 | TRANSFORMER | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |

**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 125B, 4WD, 4 CY capacity

3. Serial number indicates year of manufacture = 1980

4. Actual purchase price was $119,995 in 1980

5. Horsepower is 210 hp

6. Drive tire size = 23.5 x 25, 16 PR, L-3

   Drive tire cost = 4 tires x $2,524 = $10,096 (in 1993)

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

1. Category L40.11 (wheel loaders < 225 hp)

2. Last age adjustment factor - 1986

E. Adjust the actual purchase price:

1. Index APPENDIX E (wheel loaders EK = 45)

   a. 1986 = 3991 (first year of economic life)

   b. 1980 = 2938 (year of manufacture)

2. Purchase price (TEV) indexed to 1986:
   (Purchase price includes discount, sales tax & freight)

   (3991 / 2938) x $119,995 = $163,002

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 INFO & EXPENSE FACTORS**

*For ID No.* *N/A*

a. Equipment Specification Data:

(1) Equipment Description: *CLARK FRONT-END LOADER*

(2) Model and Series: *125B 4 CY*

(3) Present Year or Year of Use: *1993* (4) Year Manufactured or Purchased: *1980* *

(5) Horsepower - Equipment: *210* *(FIRST YEAR OF ECONOMIC LIFE = 1986)

(6) Horsepower - Carrier: –

(7) Fuel type: - Equipment: gas,diesel off-road, diesel on-road, electric, or air *D-OFF*

- Carrier: gas,diesel off-road, diesel on-road, electric, or air –

(8) Shipping Weight (CWT): *367*

(9) Tire size and number of tires: Total Cost of tires based on 1a. (3)

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) Front: | No.: | | Size/Ply: | | Cost: $ | |
| (b) Drive: | No.: | *4* | Size/Ply: | *23.5x25 16PR* | Cost: $ | *10,096* |
| (c) Trailing: | No.: | | Size/Ply: | | Cost: $ | |

(d) Total Tire Cost: $ *10,096*

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

b. Category and Sub-category Number: *L40 0.11*

c. Hourly Expense Calculation Factors:

(1) Economic Key (EK): *45*

(2) Condition (C): *Average Condition, A*

(3) Discount Code (DC): B = 7.5% (0.075) or S = 15.0% (0.15) *7.50%*

(4) Life in Hours (LIFE): *10,000*

(5) Salvage Value Percentage (SLV): *0.25*

(6) Fuel Factor - Equipment (E G D): *0.036*

(7) Fuel Factor - Carrier (E G D): *0.000*

(8) FOG Factor (E G D): *0.42*

(9) Tire Wear Factor:

(a) Front (FT): *0.70*

(b) Drive (DT): *0.42*

(c) Trailing (TT): *0.00*

(10) Repair Cost Factor (RPR): *0.70*

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

**2. EQUIPMENT VALUE**

**a.** List Price + Accessories: (*at Year of Manufacture*) = $ _____

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

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

**(2)** Subtotal: [2.a.] - [2.a.(1)] S/T $ _____

**(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)] S/T $ _____

**b.** Freight: (Shipping Weight) [1.a.(8)] x (Freight Rate per CWT) [APPENDIX B]

( _____ CWT) x ( _____ ) = $ _____

**c.** TOTAL EQUIPMENT VALUE (TEV): [(2.a.(4)] + [(2.b)] **2. TOTAL:** $ 163,002

*(Use actual cost if available.)*
*(See Chapter 3 for used and overaged equipment rate adjustments.)*

**3. DEPRECIATION PERIOD (N)**

**a.** (LIFE) / (Working Hours Per Year (**WHPY**)) = N
[1.c.(4)] [APPENDIX B]

( 10,000 Hrs) / ( 1,650 Hrs/Yr) **3. TOTAL** = 6.06 Yrs(**N**)

**4. OWNERSHIP COST**

**a.** Depreciation

**(1)** Tire Costs Index (**TCI**):

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

( 2340 (for 1986) ) / ( 2664 (for 1993) ) = 0.878 (TCI)



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

**4. OWNERSHIP COST (Continued)**

**a.** Depreciation:

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

[( 163,002 ) x [1.0 -( 0.25 )] - [( 0.878 ) x ( 10,096 )]]/ ( 10,000 )

= $ 11.34 /Hr

**b.** Facilities Capital Cost of Money (FCCM):

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

[[( 6.06 Yrs) - 1.0] x [1.0 + ( 0.25 )] + 2.0] / [2.0 X ( 6.06 Yrs)]

= 0.687 (AVF)

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

( 163,002 ) x (0.687 ) x ( 0.0520 ) / ( 1,650 Hrs/Yr)

= $ 3.53 /Hr

c. TOTAL HOURLY OWNERSHIP COST: [4.a.(2)] + [4.b.(2)] **4. TOTAL:** $ 14.87 /Hr

**5. OPERATING COST**

**a.** Fuel Costs:

(1) Equipment:

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

( 0.036 ) x ( 210 HP) x ( 0.96 /Gal) = $ 7.26 /Hr

(2) Carrier:

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

( 0 ) x ( — HP) x ( — /Gal) = $ — /Hr

(3) TOTAL HOURLY FUEL COSTS: [(5.a(1)] + [5.a(2)] Total 5.a. = $ 7.26 /Hr



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

5. **OPERATING COST (Continued)**

b. FOG Cost:

(1) Equipment:

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

( 0.42 ) x ( 7.26 /Hr) x ( 1.17 ) = $ 3.57 /Hr

(2) Carrier:

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

( 0.42 ) x ( — /Hr) x ( — ) = $ — /Hr

(3) TOTAL HOURLY FOG COST: [(5.b.(1)] + [5.b.(2)] Total 5.b. = $ 3.57 /Hr

c. Repair Cost:

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

(Economic Index for Year 1a.(3)) / (Economic Index for Year 1a.(4))
[APPENDIX E] *(for 1993)* [APPENDIX E] *(for 1986 first yr of econ life)*

( 4846 ) / ( 3991 ) = 1.214 (EAF)

(See TABLE 3-2 for last year of economic life)

(2) Repair Factor:

(RPR) x (EAF) x (LAF) = Repair Factor (RF)
[1.c.(10)] [5.c.(1).] [APPENDIX B]

( 0.70 ) x ( 1.214 ) x ( 1.17 ) = 0.994 (RF)

(3) Repair Cost

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

[( 163,002 ) - [( 0.878 ) x ( 10,096 ) ]] x ( 0.994 ) / ( 10,000 )

Total 5.c. = $ 15.32 /Hr

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

**5. OPERATING COST (Continued)**

**d.** Tire Wear Cost: *(Use current price levels)*

**(1)** Front Tires:

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

[1.5 x ( ) ] / [1.8 x ( ) x ( /Hrs)]

= $ — /Hr

**(2)** Drive Tires:

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

[1.5 x ( *10,096* ) ] / [1.8 x ( *0.42* ) x ( *5,000* /Hrs)]

= $ *4.01* /Hr

**(3)** Trailing Tires:

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

[1.5 x ( ) ] / [1.8 x ( ) x ( /Hrs)]

= $ — /Hr

**(4)** TOTAL TIRE WEAR COST: [Sum 5.d.(1) through 5.d.(3)] Total 5.d. = $ *4.01* /Hr

**e.** Tire Repair Cost:

(Total Tire Wear) x 0.15 X LAF
[5.d.(4)] [APPENDIX B]

( *4.01* ) x 0.15 X ( *1.17* ) Total 5.e. = $ *0.70* /Hr

**f.** TOTAL OPERATING COST: [Sum 5.a through 5.e] **5. TOTAL:** $ *30.86* /Hr



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

6. **HOURLY RATES**

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

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

( 14.87 /Hr) + ( 30.86 /Hr) = $ 45.73 /Hr

b. **Standby Hourly Rate:**

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

[( /Hr) x 0.50] + ( /Hr) = $ * /Hr

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

*** For Calculation of Overage Equipment Standby Rate (see Figure 3-2).**

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**Figure 3-1. Equipment Rate Computation Work Sheet (Continued)**

## TABLE 3–2

## EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

## (EXAMPLE)

The "Age Adjustment Factors for Standby Costs" in TABLE 3–2 are used when the age of a piece of equipment is other than the age of the equipment listed in TABLE 2–1. The factors given in TABLE 3–2 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 equipment has exceeded the economic service life given in APPENDIX D, the age will be determined as given in paragraph 2–24.

EXAMPLE: Assume that a 50–ton truck crane (manufactured in 1990) listed in TABLE 2–1 has an hourly standby rate of $18.00 per hour. If an equivalent crane owned by a contractor had been purchased new in 1987, the hourly standby rate can be determined as follows:

| | |
|---|---|
| Hourly Standby rate (per hour) | $18.00 |
| Standby adjusted for age (per hour)<br>(Standby rate = $18.00) x (Age adjustment factor = .86) | $15.48 |

## TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| A10 0.00 | AGGREGATE/CHIP SPREADERS | | | | | | | | | | | | | | | |
| A10 0.10 | SELF PROPELLED | 1.09 | 1.05 | 1.00 | 0.96 | 0.93 | 0.91 | 0.89 | | | | | | | | |
| A10 0.20 | TOWED & TAILGATE | 1.09 | 1.06 | 1.00 | 0.96 | | | | | | | | | | | |
| A15 0.00 | AIR COMPRESSORS, PORTABLE | | | | | | | | | | | | | | | |
| A15 0.10 | ROTARY SCREW | 1.03 | 1.00 | 1.00 | 0.96 | 0.91 | 0.87 | 0.86 | | | | | | | | |
| A15 0.20 | SHOP TYPE, ELECTRIC | 1.03 | 1.00 | 1.00 | 0.96 | 0.91 | 0.87 | 0.87 | 0.87 | | | | | | | |
| A20 0.00 | AIR HOSE, TOOLS & EQUIPMENT | | | | | | | | | | | | | | | |
| A20 0.10 | AIR HOSES | 1.03 | 1.00 | 1.00 | | | | | | | | | | | | |
| A20 0.20 | BLAST HOSE | 1.03 | 1.00 | 1.00 | | | | | | | | | | | | |
| A20 0.30 | SANDBLASTERS & BREAKERS | 1.03 | 1.00 | 1.00 | | | | | | | | | | | | |
| A25 0.00 | ASPHALT DISTRIBUTORS | 1.09 | 1.05 | 1.00 | 0.96 | 0.93 | | | | | | | | | | |
| A30 0.00 | ASPHALT FINISHERS/PAVERS | | | | | | | | | | | | | | | |
| A30 0.10 | SELF PROPELLED | 1.09 | 1.05 | 1.00 | 0.96 | 0.93 | 0.91 | 0.89 | | | | | | | | |
| A30 0.20 | TOWED | 1.09 | 1.05 | 1.00 | 0.96 | 0.93 | 0.91 | 0.89 | | | | | | | | |
| A35 0.00 | ASPHALT KETTLES | 1.09 | 1.06 | 1.00 | 0.96 | | | | | | | | | | | |
| A40 0.00 | ASPHALT & CONCR. MILLERS/PROFILERS | 1.09 | 1.05 | 1.00 | 0.96 | 0.93 | 0.91 | 0.89 | | | | | | | | |
| A45 0.00 | ASPHALT RECYCLERS & SEALERS | 1.09 | 1.05 | 1.00 | 0.96 | 0.93 | | | | | | | | | | |
| B00 0.00 | BACKHOE (SEE HYD. EXCAV.) | | | | | | | | | | | | | | | |
| B10 0.00 | BATCH PLANTS,ASPHALT & CONCRETE | | | | | | | | | | | | | | | |
| B10 0.10 | ASPHALT | 1.09 | 1.05 | 1.00 | 0.96 | 0.94 | 0.91 | 0.90 | | | | | | | | |
| B10 0.20 | CONCRETE | 1.09 | 1.05 | 1.00 | 0.96 | 0.94 | 0.91 | 0.90 | | | | | | | | |
| B10 0.30 | PUGMILL | 1.09 | 1.05 | 1.00 | 0.96 | 0.94 | 0.91 | 0.90 | | | | | | | | |
| B15 0.00 | BROOMS, STREET SWEEPERS & FLUSHERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| B20 0.00 | BRUSH CHIPPERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| B25 0.00 | BUCKETS, CLAMSHELL | 1.10 | 1.05 | 1.00 | 0.94 | 0.85 | 0.83 | 0.82 | | | | | | | | |

## TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| B30 0.00 | BUCKETS, CONCRETE | | | | | | | | | | | | | | | |
| B30 0.10 | GENERAL PURPOSE, MANUAL | 1.10 | 1.05 | 1.00 | 0.93 | 0.85 | 0.82 | 0.81 | | | | | | | | |
| B30 0.20 | LAYDOWN | 1.10 | 1.05 | 1.00 | 0.93 | 0.85 | 0.82 | 0.81 | | | | | | | | |
| B30 0.30 | LOWBOY | 1.10 | 1.05 | 1.00 | 0.93 | 0.85 | 0.82 | 0.81 | | | | | | | | |
| B30 0.40 | LOW SLUMP | 1.10 | 1.05 | 1.00 | 0.93 | 0.85 | 0.82 | 0.81 | | | | | | | | |
| B35 0.00 | BUCKETS, DRAGLINE | | | | | | | | | | | | | | | |
| B35 0.10 | LIGHT WEIGHT | 1.10 | 1.05 | 1.00 | 0.94 | 0.85 | | | | | | | | | | |
| B35 0.20 | MEDIUM WEIGHT | 1.10 | 1.05 | 1.00 | 0.94 | 0.85 | 0.83 | | | | | | | | | |
| B35 0.30 | HEAVY WEIGHT | 1.10 | 1.05 | 1.00 | 0.94 | 0.85 | 0.83 | 0.82 | | | | | | | | |
| C05 0.00 | CHAIN SAWS | 1.07 | 1.03 | 1.00 | | | | | | | | | | | | |
| C10 0.00 | COMPACTORS, MANUALLY OPERATED | 1.07 | 1.04 | 1.00 | 0.96 | | | | | | | | | | | |
| C15 0.00 | CONCRETE BLASTERS | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| C20 0.00 | CONCRETE BUGGIES | 1.07 | 1.04 | 1.00 | 0.96 | | | | | | | | | | | |
| C25 0.00 | CONCRETE FINISHERS | 1.07 | 1.04 | 1.00 | 0.96 | | | | | | | | | | | |
| C30 0.00 | CONCRETE GRINDERS | 1.07 | 1.04 | 1.00 | 0.96 | | | | | | | | | | | |
| C35 0.00 | CONCRETE GUNITERS/SHOTCRETERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| C40 0.00 | CONCRETE/WASTE MIXERS | 1.07 | 1.04 | 1.00 | 0.96 | | | | | | | | | | | |
| C45 0.00 | CONCRETE PAVING MACHINES | 1.09 | 1.05 | 1.00 | 0.96 | 0.93 | 0.91 | 0.89 | | | | | | | | |
| C55 0.00 | CONCRETE PUMPS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| C60 0.00 | CONCRETE SAWS | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| C65 0.00 | CONCRETE VIBRATORS | 1.03 | 1.00 | 1.00 | | | | | | | | | | | | |
| C70 0.00 | CRANES, GANTRY & STRADDLE | | | | | | | | | | | | | | | |
| C75 0.00 | CRANES, HYDRAULIC, SELF-PROP. | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.80 | 0.79 | | | | | | |
| C80 0.00 | CRANES, HYDRAULIC, TRUCK MTD | | | | | | | | | | | | | | | |
| C80 0.01 | UNDER 26 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.80 | 0.79 | | | | | | |

## TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| C80 0.02 | 26 TON THRU 65 TON | 1.11 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.79 | 0.78 | | | | | |
| C80 0.03 | 66 TON THRU 125 TON | 1.11 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.79 | 0.78 | 0.76 | | | | |
| C80 0.04 | OVER 125 TON | 1.11 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.80 | 0.78 | 0.76 | 0.71 | 0.66 | | |
| C85 0.00 | CRANES, MECHANICAL, CRAWLER MTD | | | | | | | | | | | | | | | |
| C85 0.10 | DRAGLINE, CLAMSHELL | | | | | | | | | | | | | | | |
| C85 0.11 | 0 THRU 1 CY | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.83 | 0.80 | | | | | | | |
| C85 0.12 | OVER 1 CY THRU 2-1/2 CY | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.80 | 0.79 | | | | | | |
| C85 0.13 | OVER 2-1/2 CY THRU 5 CY | 1.11 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.79 | 0.78 | | | | | |
| C85 0.14 | OVER 5 CY | 1.11 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.79 | 0.78 | 0.76 | | | | |
| C85 0.20 | LIFTING | | | | | | | | | | | | | | | |
| C85 0.21 | 0 THRU 25 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.83 | 0.80 | | | | | | | |
| C85 0.22 | 26 TON THRU 50 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.79 | 0.78 | | | | | |
| C85 0.23 | 51 TON THRU 150 TON | 1.11 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.79 | 0.78 | 0.76 | | | | |
| C85 0.24 | OVER 150 TON | 1.11 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.80 | 0.78 | 0.76 | 0.71 | 0.66 | | |
| C90 0.00 | CRANES, MECHANICAL, TRUCK MTD | | | | | | | | | | | | | | | |
| C90 0.01 | UNDER 26 TON | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.80 | 0.79 | | | | | | |
| C90 0.02 | 26 TON THRU 65 TON | 1.11 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.79 | 0.78 | | | | | |
| C90 0.03 | 66 TON THRU 125 TON | 1.11 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.79 | 0.78 | 0.76 | | | | |
| C90 0.04 | OVER 125 TON | 1.11 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.80 | 0.78 | 0.76 | 0.71 | 0.66 | | |
| C95 0.00 | CRANES, TOWER | 1.12 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.80 | 0.79 | 0.78 | 0.76 | | | | |
| D10 0.00 | DRILLS, AIR TRACK, CRAWLER MTD | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.90 | 0.90 | | | | | | | | |
| D15 0.00 | DRILLS, BORING MACHINES | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.90 | 0.90 | | | | | | | | |
| D20 0.00 | DRILLS, CORE, COLUMN MOUNTED | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| D25 0.00 | DRILLS, CORE, SKID MOUNTED | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.90 | 0.90 | | | | | | | | |
| D30 0.00 | DRILLS, EARTH/AUGER | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.90 | 0.90 | | | | | | | | |

## TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| D35 0.00 | DRILLS, ROTARY BLAST HOLE | | | | | | | | | | | | | | | |
| D35 0.10 | DIESEL or GASOLINE | | | | | | | | | | | | | | | |
| D35 0.11 | 0" THRU 11" DIA. HOLE | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.90 | 0.90 | 0.92 | 0.90 | | | | | | |
| D35 0.12 | OVER 11" DIAM. | 1.07 | 1.03 | 1.00 | 0.97 | 0.91 | 0.90 | 0.90 | 0.92 | 0.91 | 0.92 | 0.91 | | | | |
| D35 0.20 | ELECTRIC | | | | | | | | | | | | | | | |
| D35 0.21 | 0" THRU 11" DIA. HOLE | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.90 | 0.90 | 0.92 | 0.90 | | | | | | |
| D35 0.22 | OVER 11" DIAM. | 1.07 | 1.03 | 1.00 | 0.97 | 0.91 | 0.90 | 0.90 | 0.92 | 0.91 | 0.92 | 0.91 | | | | |
| F10 0.00 | FORK LIFTS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| G10 0.00 | GENERATOR SETS | | | | | | | | | | | | | | | |
| G10 0.10 | PORTABLE | 1.05 | 1.02 | 1.00 | 0.97 | 0.91 | | | | | | | | | | |
| G10 0.20 | SKID MOUNTED | 1.05 | 1.02 | 1.00 | 0.97 | 0.91 | 0.86 | 0.84 | | | | | | | | |
| G15 0.00 | GRADERS, MOTOR | 1.08 | 1.04 | 1.00 | 0.96 | 0.91 | 0.88 | 0.84 | 0.84 | | | | | | | |
| H10 0.00 | HAMMERS, HYDRAULIC | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| H13 0.00 | HAZARD/TOXIC WASTE EQUIPMENT | | | | | | | | | | | | | | | |
| H13 0.10 | COMPACTORS (COMPRESSION FORCE) | | | | | | | | | | | | | | | |
| H13 0.11 | 0 THRU 50 TONS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.89 | 0.87 | | | | | | | | |
| H13 0.12 | OVER 50 TONS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | 0.85 | | | | | | | |
| H13 0.20 | FILTER PRESSES | | | | | | | | | | | | | | | |
| H13 0.21 | STATIONARY | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| H13 0.22 | MOBILE | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.89 | 0.87 | | | | | | | | |
| H13 0.30 | CENTRIFUGES | 1.07 | 1.04 | 1.00 | | | | | | | | | | | | |
| H13 0.40 | SHREDDERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.89 | 0.87 | | | | | | | | |
| H13 0.50 | SOIL TREATMENT PLANT | | | | | | | | | | | | | | | |
| H13 0.51 | MOBILE | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.89 | 0.87 | | | | | | | | |
| H13 0.60 | SLUDGE PROCESSING EQUIPMENT | | | | | | | | | | | | | | | |

## TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| H13 0.61 | SLUDGE DISPENSERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.89 | 0.87 | | | | | | | | |
| H13 0.70 | WASTE HANDLING EQUIPMENT | | | | | | | | | | | | | | | |
| H13 0.71 | DRUM HANDLING | 1.07 | 1.03 | 1.00 | | | | | | | | | | | | |
| H15 0.00 | HEATERS, SPACE | | | | | | | | | | | | | | | |
| H20 0.00 | HOIST | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | | | | | | | | | |
| H25 0.00 | HYDRAULIC EXCAVATORS, CRAWLER MTD | | | | | | | | | | | | | | | |
| H25 0.10 | DIESEL or GASOLINE | | | | | | | | | | | | | | | |
| H25 0.11 | 0 THRU 1 CY | 1.08 | 1.04 | 1.00 | 0.95 | 0.87 | | | | | | | | | | |
| H25 0.12 | OVER 1 CY THRU 2-1/2 CY | 1.08 | 1.04 | 1.00 | 0.95 | 0.87 | 0.85 | 0.82 | | | | | | | | |
| H25 0.13 | OVER 2-1/2 CY THRU 5 CY | 1.07 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.83 | 0.80 | | | | | | | |
| H25 0.14 | OVER 5 CY | 1.07 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.80 | 0.79 | | | | | | |
| H25 0.20 | ATTACHMENTS | | | | | | | | | | | | | | | |
| H25 0.21 | MOBILE SHEARS | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| H25 0.22 | MATERIAL HANDLING | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| H25 0.23 | CONCRETE PULVERIZERS | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| H30 0.00 | HYDRAULIC EXCAVATORS, WHEEL MTD | | | | | | | | | | | | | | | |
| H30 0.01 | 0 THRU 1 CY | 1.08 | 1.04 | 1.00 | 0.95 | 0.87 | | | | | | | | | | |
| H30 0.02 | OVER 1 CY | 1.07 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.82 | | | | | | | | |
| H35 0.00 | HYDRAULIC SHOVELS, CRAWLER MOUNTED | | | | | | | | | | | | | | | |
| H35 0.10 | DIESEL | | | | | | | | | | | | | | | |
| H35 0.11 | 0 CY THRU 5 CY | 1.07 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.80 | 0.79 | | | | | | |
| H35 0.12 | OVER 5 CY | 1.07 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.79 | 0.78 | | | | | |
| H35 0.20 | ELECTRIC | | | | | | | | | | | | | | | |
| H35 0.21 | OVER 2-1/2 CY | 1.07 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.80 | 0.79 | 0.78 | 0.76 | | | | |
| L10 0.00 | LAND CLEARING EQUIPMENT | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |

## TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| L15 0.00 | LAWN MOWERS | 1.07 | 1.03 | 1.00 | | | | | | | | | | | | |
| L20 0.00 | LIGHTING SETS, TRAILER MOUNTED | | | | | | | | | | | | | | | |
| L20 0.10 | METALLIC VAPOR | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| L25 0.00 | LINE STRIPING EQUIPMENT | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| L30 0.00 | LOADERS, BELT | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| L35 0.00 | LOADERS, FRONT END, CRAWLER TYPE | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.84 | 0.80 | | | | | | | | |
| L40 0.00 | LOADERS, FRONT END, WHEEL TYPE | | | | | | | | | | | | | | | |
| L40 0.10 | ARTICULATED | | | | | | | | | | | | | | | |
| L40 0.11 | 0 THRU 225 HP | 1.05 | 1.03 | 1.00 | 0.97 | 0.92 | 0.89 | 0.86 | | | | | | | | |
| L40 0.12 | OVER 225 HP | 1.05 | 1.03 | 1.00 | 0.97 | 0.93 | 0.90 | 0.87 | 0.87 | | | | | | | |
| L40 0.20 | SKID STEER | 1.05 | 1.03 | 1.00 | 0.97 | 0.93 | | | | | | | | | | |
| L40 0.30 | TOOL CARRIER | | | | | | | | | | | | | | | |
| L40 0.31 | 0 THRU 225 HP | 1.05 | 1.03 | 1.00 | 0.97 | 0.92 | 0.89 | 0.86 | | | | | | | | |
| L40 0.32 | OVER 225 HP | 1.05 | 1.03 | 1.00 | 0.97 | 0.93 | 0.90 | 0.87 | 0.87 | | | | | | | |
| L45 0.00 | LOADERS w/ BACKHOE, CRAWLER TYPE | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.84 | 0.80 | | | | | | | | |
| L50 0.00 | LOADERS w/ BACKHOE, WHEEL TYPE | 1.05 | 1.03 | 1.00 | 0.97 | 0.92 | 0.89 | 0.86 | | | | | | | | |
| L55 0.00 | LOADER/BACKHOE, ATTACHMENTS | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| L60 0.00 | LOG SKIDDERS | 1.04 | 1.02 | 1.00 | 0.97 | 0.95 | 0.93 | 0.92 | | | | | | | | |
| M10 0.00 | MARINE EQUIPMENT | | | | | | | | | | | | | | | |
| M10 0.10 | MARINE MAINTENANCE EQUIPMENT | | | | | | | | | | | | | | | |
| M10 0.11 | AQUATIC MAINTENANCE,-LAKES/HARBORS | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.90 | | | | | | | | |
| M10 0.12 | ATTACHMENTS FOR (M10 .10) | 1.08 | 1.05 | 1.00 | 0.95 | | | | | | | | | | | |
| M10 0.20 | PORTABLE (TRUCKABLE) HYDRAULIC | | | | | | | | | | | | | | | |
| M10 0.20 | DREDGES 12" OR LESS | | | | | | | | | | | | | | | |
| M10 0.21 | CUTTERHEAD DREDGE, 8" OR LESS | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.90 | | | | | | | | |

## TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| M10 0.22 | CUTTERHEAD DREDGE OVER 8" THRU 12" | 1.08 | 1.04 | 1.00 | 0.96 | 0.91 | 0.90 | 0.90 | 0.87 | | | | | | | |
| M10 0.23 | AUGERHEAD DREDGE, 12" OR LESS | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.90 | | | | | | | | |
| M10 0.24 | FLOATING PUMPS, 12" OR LESS | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | | | | | | | | | | |
| M10 0.25 | DREDGE PUMPS, 12" OR LESS | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| M10 0.26 | ATTACHMENTS FOR (M10 .20) | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| M10 0.30 | SMALL MECHANICAL DREDGES | | | | | | | | | | | | | | | |
| M10 0.31 | CLAMSHELL BARGE-MOUNTED TO 5 CY | 1.11 | 1.04 | 1.00 | 0.95 | 0.88 | 0.86 | 0.83 | 0.81 | 0.80 | 0.78 | 0.76 | 0.71 | 0.66 | | |
| M10 0.32 | AMPHIBIOUS EXCAVATORS | 1.07 | 1.04 | 1.00 | 0.95 | 0.88 | 0.85 | 0.83 | 0.80 | | | | | | | |
| M10 0.33 | HOE-MOUNTED DREDGING EXCAVATOR | 1.07 | 1.04 | 1.00 | 0.96 | 0.91 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.79 | 0.75 | 0.67 | | |
| M10 0.40 | BARGES & FLOATS (NON-DREDGING) | | | | | | | | | | | | | | | |
| M10 0.41 | WORK FLOATS | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| M10 0.42 | WORK BARGES (SECTIONAL) | 1.08 | 1.04 | 1.00 | 0.96 | 0.91 | 0.90 | 0.90 | | | | | | | | |
| M10 0.45 | FLAT-DECK OR CARGO BARGE | 1.07 | 1.04 | 1.00 | 0.96 | 0.92 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.76 | 0.68 | 0.60 | 0.55 |
| M10 0.46 | HOPPER BARGE | 1.07 | 1.04 | 1.00 | 0.96 | 0.92 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.76 | 0.68 | 0.60 | 0.55 |
| M10 0.47 | DRILL BARGE | 1.07 | 1.04 | 1.00 | 0.96 | 0.92 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.76 | 0.68 | 0.60 | 0.55 |
| M10 0.48 | ALL OTHER BARGES | 1.07 | 1.04 | 1.00 | 0.96 | 0.92 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.76 | 0.68 | 0.60 | 0.55 |
| M10 0.50 | TUGS, BOATS & LAUNCHES | | | | | | | | | | | | | | | |
| M10 0.51 | 0 THRU 250 HP | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.90 | 0.87 | | | | | | | |
| M10 0.52 | 251 THRU 300 HP | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.90 | 0.87 | | | | | | | |
| M10 0.53 | 301 THRU 500 HP | 1.08 | 1.04 | 1.00 | 0.95 | 0.91 | 0.90 | 0.90 | 0.87 | 0.84 | | | | | | |
| M10 0.54 | 501 THRU 1,000 HP | 1.07 | 1.04 | 1.00 | 0.96 | 0.91 | 0.91 | 0.90 | 0.87 | 0.84 | 0.81 | 0.79 | 0.75 | 0.67 | | |
| M10 0.55 | OVER 1,000 HP | 1.07 | 1.04 | 1.00 | 0.96 | 0.92 | 0.91 | 0.90 | 0.88 | 0.85 | 0.82 | 0.79 | 0.76 | 0.68 | 0.60 | 0.54 |
| P10 0.00 | PILE EXTRACTORS & LEADS | 1.05 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| P20 0.00 | PILE HAMMERS, DOUBLE ACTING | 1.05 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| P25 0.00 | PILE HAMMERS, SINGLE ACTING | 1.05 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |

## TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| P30 0.00 | PILE HAMMERS, VIBRATORY | 1.05 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| P35 0.00 | PIPELAYERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.84 | 0.80 | 0.80 | | | | | | | |
| P40 0.00 | PLATFORMS, AERIAL WORK | 1.13 | 1.04 | 1.00 | 0.95 | 0.87 | | | | | | | | | | |
| P45 0.00 | PUMPS, GROUT | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| P50 0.00 | PUMPS, WATER, CENTRIFUGAL, TRASH | | | | | | | | | | | | | | | |
| P50 0.10 | SKID MOUNTED | | | | | | | | | | | | | | | |
| P50 0.11 | ENGINE DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| P50 0.12 | ELECTRIC DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| P50 0.20 | WHEEL MOUNTED | | | | | | | | | | | | | | | |
| P50 0.21 | ENGINE DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| P50 0.22 | ELECTRIC DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| P55 0.00 | PUMPS, WATER, SUBMERSIBLE | | | | | | | | | | | | | | | |
| P55 0.01 | ENGINE DRIVE | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| P55 0.02 | ELECTRIC DRIVE | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| P60 0.00 | PUMPS, WATER,CENTRIF,DEWATERING | | | | | | | | | | | | | | | |
| P60 0.10 | SKID MOUNTED | | | | | | | | | | | | | | | |
| P60 0.11 | ENGINE DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| P60 0.12 | ELECTRIC DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| P60 0.20 | WHEEL MOUNTED | | | | | | | | | | | | | | | |
| P60 0.21 | ENGINE DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| P60 0.22 | ELECTRIC DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| P65 0.00 | PUMPS, WATER, DIAPHRAGM | | | | | | | | | | | | | | | |
| P65 0.10 | SKID MOUNTED | | | | | | | | | | | | | | | |
| P65 0.11 | ENGINE DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| P65 0.12 | ELECTRIC DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |

## TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| P65 0.20 | WHEEL MOUNTED | | | | | | | | | | | | | | | |
| P65 0.21 | ENGINE DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| P65 0.22 | ELECTRIC DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| P70 0.00 | PUMPS, WATER (FOR CORE DRILLS) | | | | | | | | | | | | | | | |
| P70 0.01 | ENGINE DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| P70 0.02 | ELECTRIC DRIVE | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| R10 0.00 | RIPPERS & HYDRAULIC BANK SLOPERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | | | | | | | | | | |
| R15 0.00 | ROLLERS, TOWED - PNEUMATIC | 1.04 | 1.01 | 1.00 | 0.97 | 0.95 | 0.90 | 0.88 | | | | | | | | |
| R20 0.00 | ROLLERS, TOWED - STEEL DRUM | 1.04 | 1.01 | 1.00 | 0.97 | 0.95 | 0.90 | 0.88 | | | | | | | | |
| R30 0.00 | ROLLERS, STATIC, SELF-PROPELLED | | | | | | | | | | | | | | | |
| R30 0.01 | PNEUMATIC | 1.04 | 1.01 | 1.00 | 0.97 | 0.95 | | | | | | | | | | |
| R30 0.02 | SMOOTH DRUM | 1.04 | 1.01 | 1.00 | 0.97 | 0.95 | 0.90 | 0.88 | | | | | | | | |
| R30 0.03 | TAMPING FOOT | 1.04 | 1.01 | 1.00 | 0.97 | 0.95 | 0.90 | 0.88 | | | | | | | | |
| R40 0.00 | ROLLERS, VIBRATORY, TOWED | 1.04 | 1.01 | 1.00 | 0.97 | 0.95 | | | | | | | | | | |
| R45 0.00 | ROLLERS, VIBRATORY, DOUBLE DRUM, | 1.04 | 1.01 | 1.00 | 0.97 | 0.95 | | | | | | | | | | |
| R50 0.00 | ROLLERS, VIBRATORY, SINGLE DRUM | 1.04 | 1.01 | 1.00 | 0.97 | 0.95 | | | | | | | | | | |
| R55 0.00 | ROOFING EQUIPMENT | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| S10 0.00 | SCRAPERS, ELEVATING | | | | | | | | | | | | | | | |
| S10 0.01 | 0 THRU 200 HP | 1.08 | 1.04 | 1.00 | 0.96 | 0.91 | 0.88 | 0.84 | | | | | | | | |
| S10 0.02 | OVER 200 HP | 1.07 | 1.04 | 1.00 | 0.96 | 0.91 | 0.89 | 0.85 | | | | | | | | |
| S15 0.00 | SCRAPERS, CONVENTIONAL | 1.07 | 1.04 | 1.00 | 0.96 | 0.91 | 0.89 | 0.85 | | | | | | | | |
| S20 0.00 | SCRAPERS, TANDEM POWERED | 1.07 | 1.04 | 1.00 | 0.96 | 0.91 | 0.89 | 0.85 | | | | | | | | |
| S25 0.00 | SCRAPERS, TRACTOR DRAWN | 1.07 | 1.04 | 1.00 | 0.96 | 0.91 | 0.89 | 0.85 | 0.84 | | | | | | | |
| S30 0.00 | SCREENING & CRUSHING PLANTS | | | | | | | | | | | | | | | |
| S30 0.10 | CONVEYORS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |

## TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| S30 0.20 | CRUSHERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.89 | 0.87 | | | | | | | | |
| S30 0.30 | SCREENING PLANT | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| S35 0.00 | SNOW REMOVAL EQUIPMENT | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| S40 0.00 | SOIL STABILIZERS | 1.08 | 1.04 | 1.00 | 0.96 | 0.91 | 0.88 | 0.84 | | | | | | | | |
| S45 0.00 | SPLITTERS, ROCK & CONCRETE | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| T10 0.00 | TRACTOR BLADES & ATTACHMENTS | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.84 | 0.80 | | | | | | | | |
| T15 0.00 | TRACTORS, CRAWLER (DOZER) | | | | | | | | | | | | | | | |
| T15 0.01 | 0 THRU 225 HP | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.84 | 0.80 | | | | | | | | |
| T15 0.02 | 226 HP THRU 425 HP | 1.07 | 1.03 | 1.00 | 0.96 | 0.90 | 0.84 | 0.80 | | | | | | | | |
| T15 0.03 | OVER 425 HP | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.85 | 0.81 | 0.81 | | | | | | | |
| T20 0.00 | TRACTORS, WHEEL TYPE (DOZER) | 1.04 | 1.02 | 1.00 | 0.97 | 0.95 | 0.93 | 0.92 | | | | | | | | |
| T25 0.00 | TRACTORS, WHEEL TYPE (FARM) | 1.04 | 1.02 | 1.00 | 0.97 | 0.95 | | | | | | | | | | |
| T30 0.00 | TRENCHERS, CHAIN | 1.05 | 1.01 | 1.00 | 0.97 | 0.95 | | | | | | | | | | |
| T35 0.00 | TRENCHERS, WHEEL TYPE | 1.05 | 1.01 | 1.00 | 0.97 | 0.95 | 0.93 | 0.93 | | | | | | | | |
| T40 0.00 | TRUCK OPTIONS, (ADD TRUCK) | | | | | | | | | | | | | | | |
| T40 0.10 | CRANES, HYDRAULIC | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| T40 0.20 | DUMP BODY, REAR | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| T40 0.30 | FLATBEDS, W/ CONT. SIDES | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| T40 0.40 | HOIST | | | | | | | | | | | | | | | |
| T40 0.41 | ELECTRIC DRIVE | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| T40 0.50 | TRANSIT MIXERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| T40 0.60 | WATER TANKS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| T40 0.70 | ALL OTHER OPTIONS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| T45 0.00 | TRUCK TRAILERS, | | | | | | | | | | | | | | | |
| T45 0.10 | BOTTOM DUMP | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.89 | 0.87 | | | | | | | | |

## TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| T45 0.20 | END DUMP | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.89 | 0.87 | | | | | | | | |
| T45 0.30 | PUP TRAILER | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| T45 0.40 | LOWBOY (EQUIPMENT HAULING) | | | | | | | | | | | | | | | |
| T45 0.41 | RIGID NECK, DROP DECK | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.87 | 0.85 | | | | | | | | |
| T45 0.50 | PLATFORM TRAILER | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.87 | 0.85 | | | | | | | | |
| T45 0.60 | TILT TRAILER | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.87 | 0.85 | | | | | | | | |
| T45 0.70 | WATER TANKER TRAILER | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.87 | 0.85 | | | | | | | | |
| T45 0.80 | DECONTAMINATION FACILITY | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| T45 0.90 | TANK TRAILERS | 1.07 | 1.04 | 1.00 | 0.96 | 0.90 | 0.87 | 0.85 | | | | | | | | |
| T50 0.00 | TRUCKS, HIGHWAY | | | | | | | | | | | | | | | |
| T50 0.01 | 0 THRU 10,000 GVW | 1.08 | 1.04 | 1.00 | 0.98 | 0.94 | | | | | | | | | | |
| T50 0.02 | OVER 10,000 THRU 30,000 GVW | 1.08 | 1.04 | 1.00 | 0.98 | 0.94 | | | | | | | | | | |
| T50 0.03 | OVER 30,000 GVW | 1.08 | 1.04 | 1.00 | 0.98 | 0.94 | | | | | | | | | | |
| T55 0.00 | TRUCKS, OFF-HIGHWAY | 1.06 | 1.03 | 1.00 | 0.95 | 0.88 | 0.84 | 0.82 | 0.81 | | | | | | | |
| T57 0.00 | TRUCKS, VACUUM | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| T60 0.00 | TRUCKS, WATER, OFF-HIGHWAY | 1.06 | 1.03 | 1.00 | 0.95 | 0.87 | 0.83 | 0.81 | 0.81 | | | | | | | |
| T65 0.00 | TUNNEL/MINING EQUIPMENT | | | | | | | | | | | | | | | |
| T65 0.10 | DRIFTING & TUNNELING DRILLS | 1.07 | 1.03 | 1.00 | 0.97 | 0.91 | 0.90 | 0.90 | 0.92 | 0.91 | | | | | | |
| T65 0.20 | TUNNEL BORING MACHINES | 1.06 | 1.03 | 1.00 | 0.96 | 0.92 | 0.89 | 0.87 | 0.86 | 0.85 | 0.84 | 0.82 | 0.76 | 0.68 | 0.60 | |
| T65 0.30 | PRODUCTION DRILLING RIGS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.90 | 0.90 | 0.92 | | | | | | | |
| T65 0.40 | ROADHEADERS & CONTINUOUS MINERS | 1.06 | 1.03 | 1.00 | 0.96 | 0.91 | 0.89 | 0.87 | 0.86 | 0.84 | 0.83 | | | | | |
| T65 0.50 | ROCK BOLTING EQUIPMENT | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| T65 0.60 | LOADING & HAULING EQUIPMENT | | | | | | | | | | | | | | | |
| T65 0.61 | DIESEL OR GASOLINE | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | 0.85 | | | | | | | |
| T65 0.62 | ELECTRIC | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.89 | 0.87 | 0.85 | 0.84 | | | | | | |

## TABLE 3-2. EQUIPMENT AGE ADJUSTMENT FACTORS FOR STANDBY COSTS

| CATEGORY SUB | TYPE OF EQUIPMENT | YEAR PURCHASED NEW | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 |
| T65 0.63 | AIR-POWERED | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| T65 0.70 | LOCOMOTIVES | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | 0.85 | | | | | | | |
| T65 0.90 | OTHER TUNNELING EQUIPMENT | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | 0.88 | 0.86 | | | | | | | | |
| W10 0.00 | WAGONS, BOTTOM DUMP | 1.06 | 1.03 | 1.00 | 0.95 | 0.88 | 0.84 | 0.82 | 0.81 | | | | | | | |
| W15 0.00 | WAGONS, REAR DUMP | 1.06 | 1.03 | 1.00 | 0.95 | 0.88 | 0.84 | 0.82 | 0.81 | | | | | | | |
| W25 0.00 | WATER & CO2 BLASTERS | | | | | | | | | | | | | | | |
| W25 0.10 | LOW PRESSURE, ( < 5,000 PSI) | 1.07 | 1.04 | 1.00 | | | | | | | | | | | | |
| W25 0.20 | HIGH PRESSURE, (>= 5,000 PSI) | 1.07 | 1.03 | 1.00 | 0.96 | | | | | | | | | | | |
| W25 0.30 | STEAM CLEANERS | 1.07 | 1.04 | 1.00 | | | | | | | | | | | | |
| W25 0.40 | CO2 BLASTERS | 1.07 | 1.03 | 1.00 | 0.96 | 0.91 | | | | | | | | | | |
| W30 0.00 | WATER TANKS | | | | | | | | | | | | | | | |
| W30 0.10 | PORTABLE W/ WHEELS | 1.06 | 1.03 | 1.00 | 0.95 | 0.87 | 0.83 | 0.81 | 0.81 | | | | | | | |
| W30 0.20 | SKID MOUNTED | 1.06 | 1.03 | 1.00 | 0.95 | 0.87 | 0.83 | 0.81 | 0.81 | | | | | | | |
| W35 0.00 | WELDERS | | | | | | | | | | | | | | | |
| W35 0.10 | GASOLINE or DIESEL DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | 0.90 | | | | | | | | | | |
| W35 0.20 | ELECTRICAL | | | | | | | | | | | | | | | |
| W35 0.21 | ELECTRIC DRIVE | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| W35 0.22 | MIG | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| W35 0.23 | RECTIFIER | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |
| W35 0.24 | TRANSFORMER | 1.08 | 1.04 | 1.00 | 0.95 | | | | | | | | | | | |

**STANDBY 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 125B, 4WD, 4 CY capacity
3. Serial number indicates year of manufacture = 1980
4. Actual purchase price was $119,995 in 1980
5. Horsepower is 210 hp
6. Drive tire size = 23.5 x 25, 16 PR, L-3

   Drive tire cost = 4 tires x $2,524 = $10,096 (in 1993)

D. TABLE 3-2, Age Adjustment Factors for Standby Costs:

1. Category L40.11 (wheel loaders < 225 hp)
2. Last age adjustment factor - 1987

E. Use the actual cost data as follows:
(See paragraph 3-5.c.)

1. Purchase price (TEV) = $119,995
2. Year of manufacture = 1980

F. Estimate rate as follows in accordance with Figure 2-1, Equipment Rate Computation Worksheet for Standby Calculations

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 INFO & EXPENSE FACTORS**

*For ID No.* *N/A*

**a.** Equipment Specification Data:

(1) Equipment Description: *CLARK FRONT-END LOADER*

(2) Model and Series: *125B 4 CY*

(3) Present Year or Year of Use: *1993* (4) Year Manufactured or Purchased: *1980* *

(5) Horsepower - Equipment: *210* *(FIRST YEAR OF ECONOMIC LIFE = 1986)

(6) Horsepower - Carrier: –

(7) Fuel type: - Equipment: gas,diesel off-road, diesel on-road, electric, or air *D-OFF*

- Carrier: gas,diesel off-road, diesel on-road, electric, or air –

(8) Shipping Weight (CWT): *367*

(9) Tire size and number of tires: Total Cost of tires based on 1a. (3)

| | | | | | | |
|---|---|---|---|---|---|---|
| (a) Front: | No.: | | Size/Ply: | | Cost: $ | |
| (b) Drive: | No.: | *4* | Size/Ply: | *23.5x25 16PR* | Cost: $ | *10,096* |
| (c) Trailing: | No.: | | Size/Ply: | | Cost: $ | |

(d) Total Tire Cost: $ *10,096*

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

**b.** Category and Sub-category Number: *L40 0.11*

**c.** Hourly Expense Calculation Factors:

(1) Economic Key (EK): *45*

(2) Condition (C): *Average Condition, A*

(3) Discount Code (DC): B = 7.5% (0.075) or S = 15.0% (0.15) *7.50%*

(4) Life in Hours (LIFE): *10,000*

(5) Salvage Value Percentage (SLV): *0.25*

(6) Fuel Factor - Equipment (E G D): *0.036*

(7) Fuel Factor - Carrier (E G D): *0.000*

(8) FOG Factor (E G D): *0.42*

(9) Tire Wear Factor:

(a) Front (FT): *0.70*

(b) Drive (DT): *0.42*

(c) Trailing (TT): *0.00*

(10) Repair Cost Factor (RPR): *0.70*

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

**2. EQUIPMENT VALUE**

**a.** List Price + Accessories: (*at Year of Manufacture*) = $ _____

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

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

**(2)** Subtotal: [2.a.] - [2.a.(1)] S/T $ _____

**(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)] S/T $ _____

**b.** Freight: (Shipping Weight) [1.a.(8)] x (Freight Rate per CWT) [APPENDIX B]

( _____ CWT) x ( _____ ) = $ _____

**c.** TOTAL EQUIPMENT VALUE (TEV): [(2.a.(4)] + [(2.b)] **2. TOTAL:** $ *119,995*

*(Use actual cost if available.)*
*(See Chapter 3 for used and overaged equipment rate adjustments.)*

**3. DEPRECIATION PERIOD (N)**

**a.** (LIFE) [1.c.(4)] / (Working Hours Per Year (WHPY)) [APPENDIX B] = N

( *10,000* Hrs) / ( *1,650* Hrs/Yr) **3. TOTAL** = *6.06* Yrs(N)

***Note: Depreciation period (N) and the actual age in years are not the same.***

**4. OWNERSHIP COST**

**a.** Depreciation

**(1)** Tire Costs Index **(TCI)**:

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

( *2369* ) / ( *2664* ) = *0.889* (TCI)
(for 1980) (for 1993)



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

4. **OWNERSHIP COST (Continued)**

a. Depreciation:

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

[( 119,995 ) x [1.0 -( 0.25 )] - [( 0.889 ) x ( 10,096 )]]/ ( 10,000 )

= $ 8.10 /Hr

b. Facilities Capital Cost of Money (FCCM):

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

[[( 6.06 Yrs) - 1.0] x [1.0 + ( 0.25 )] + 2.0] / [2.0 X ( 6.06 Yrs)]

= 0.687 (AVF)

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

( 119,995 ) x (0.687 ) x ( 0.0520 ) / ( 1,650 Hrs/Yr)

= $ 2.60 /Hr

c. TOTAL HOURLY OWNERSHIP COST: [4.a.(2)] + [4.b.(2)] **4. TOTAL:** $ — /Hr

5. **OPERATING COST**

a. Fuel Costs:

(1) Equipment:

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

( ) x ( HP) x ( /Gal) = $ — /Hr

(2) Carrier:

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

( ) x ( HP) x ( /Gal) = $ — /Hr

(3) TOTAL HOURLY FUEL COSTS: [(5.a(1)] + [5.a(2)] Total 5.a. = $ — /Hr



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

5. **OPERATING COST** (Continued)

b. FOG Cost:

(1) Equipment:

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

( ) x ( /Hr) x ( ) = $ — /Hr

(2) Carrier:

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

( ) x ( /Hr) x ( ) = $ — /Hr

(3) TOTAL HOURLY FOG COST: [(5.b.(1)] + [5.b.(2)] Total 5.b. = $ — /Hr

c. Repair Cost:

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

(Economic Index for Year 1a.(3)) / (Economic Index for Year 1a.(4))
[APPENDIX E] *(for 1993)* [APPENDIX E] *(for 1986 first yr of econ life)*

( ) / ( ) = (EAF)

(See TABLE 3-2 for last year of economic life)

(2) Repair Factor:

(RPR) x (EAF) x (LAF) = Repair Factor (RF)
[1.c.(10)] [5.c.(1).] [APPENDIX B]

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

(3) Repair Cost

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

[( ) - [( ) x ( ) ]] x ( ) / ( )

Total 5.c. = $ — /Hr

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

**5. OPERATING COST (Continued)**

**d.** Tire Wear Cost: *(Use current price levels)*

**(1)** Front Tires:

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

[1.5 x (_____)] / [1.8 x (_____) x (_____ /Hrs)]

= $ _____ /Hr

**(2)** Drive Tires:

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

[1.5 x (_____)] / [1.8 x (_____) x (_____ /Hrs)]

= $ _____ /Hr

**(3)** Trailing Tires:

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

[1.5 x (_____)] / [1.8 x (_____) x (_____ /Hrs)]

= $ _____ /Hr

**(4)** TOTAL TIRE WEAR COST: [Sum 5.d.(1) through 5.d.(3)] Total 5.d. = $ _____ /Hr

**e.** Tire Repair Cost:

(Total Tire Wear) x 0.15 X LAF
[5.d.(4)] [APPENDIX B]

(_____) x 0.15 X (_____) Total 5.e. = $ _____ /Hr

**f.** TOTAL OPERATING COST: [Sum 5.a through 5.e] 5. TOTAL: $ _____ /Hr

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

6. **HOURLY RATES**

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

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

( _____ /Hr) + ( _____ /Hr) = $ _____ /Hr

b. **Standby Hourly Rate:**

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

[( 8.10 /Hr) x 0.50] + ( 2.6 /Hr) = $ 6.65 /Hr

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



Figure 3-2. Standby Hourly Rate Calculation for Overage Equipment (continued)

## TABLE 3-3

## SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

## (EXAMPLE)

The "Shift Adjustment Factors" in TABLE 3-3 are used when the working hours per week are greater than 40 hours per week. The factors given in TABLE 3-3 are multiplied by the adjusted hourly ownership cost (if adjusted for age) and the result in an ownership rate adjusted for working hours other than 40 hours per week.

EXAMPLE: Assume that the truck crane in Example A of TABLE 3-1 is to be worked 10 hours per day, 6 days per week (60 hours per week). The total hourly rate for this piece of equipment can be determined as follows (service life = 16,000 hours).

| | |
|---|---|
| Total hourly rate (adjusted for age) | $49.00 |
| Ownership rate per hour (adjusted for age) | ($24.00) |
| Ownership rate per hour adjusted for work hours<br>(Ownership rate = $24.00) x (Shift adjustment factor = .90) | $21.60 |
| Adjusted total hourly rate | $46.60 |

## TABLE 3-3. SHIFT ADJUSTMENT FACTORS FOR OWNERSHIP COSTS

| Service Life From APP. D | EQUIPMENT USEAGE - HOURS PER WEEK | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 40 | 45 | 48 | 54 | 60 | 66 | 72 | 80 | 90 | 100 | 110 | 120 | 140 |
| 3,500 | 1.00 | 0.99 | 0.98 | 0.97 | 0.97 | 0.96 | 0.96 | 0.95 | 0.95 | 0.94 | 0.94 | 0.93 | 0.93 |
| 4,000 | 1.00 | 0.99 | 0.98 | 0.97 | 0.96 | 0.96 | 0.95 | 0.95 | 0.94 | 0.94 | 0.93 | 0.93 | 0.92 |
| 5,000 | 1.00 | 0.99 | 0.98 | 0.97 | 0.96 | 0.95 | 0.94 | 0.94 | 0.93 | 0.92 | 0.92 | 0.92 | 0.91 |
| 5,500 | 1.00 | 0.99 | 0.98 | 0.97 | 0.96 | 0.95 | 0.94 | 0.93 | 0.93 | 0.92 | 0.91 | 0.91 | 0.90 |
| 6,000 | 1.00 | 0.98 | 0.98 | 0.96 | 0.95 | 0.94 | 0.94 | 0.93 | 0.92 | 0.91 | 0.91 | 0.90 | 0.90 |
| 6,500 | 1.00 | 0.98 | 0.97 | 0.96 | 0.95 | 0.94 | 0.93 | 0.92 | 0.92 | 0.91 | 0.90 | 0.90 | 0.89 |
| 7,000 | 1.00 | 0.98 | 0.97 | 0.96 | 0.95 | 0.94 | 0.93 | 0.92 | 0.91 | 0.90 | 0.90 | 0.89 | 0.89 |
| 8,000 | 1.00 | 0.98 | 0.97 | 0.95 | 0.94 | 0.93 | 0.92 | 0.91 | 0.90 | 0.89 | 0.89 | 0.88 | 0.87 |
| 9,000 | 1.00 | 0.98 | 0.97 | 0.95 | 0.94 | 0.92 | 0.91 | 0.90 | 0.89 | 0.88 | 0.88 | 0.87 | 0.86 |
| 10,000 | 1.00 | 0.98 | 0.97 | 0.95 | 0.93 | 0.92 | 0.91 | 0.90 | 0.88 | 0.88 | 0.87 | 0.86 | 0.85 |
| 11,000 | 1.00 | 0.98 | 0.96 | 0.94 | 0.93 | 0.91 | 0.90 | 0.89 | 0.88 | 0.87 | 0.86 | 0.85 | 0.84 |
| 12,000 | 1.00 | 0.97 | 0.96 | 0.94 | 0.92 | 0.91 | 0.89 | 0.88 | 0.87 | 0.86 | 0.85 | 0.84 | 0.83 |
| 13,000 | 1.00 | 0.97 | 0.96 | 0.94 | 0.92 | 0.90 | 0.89 | 0.88 | 0.86 | 0.85 | 0.84 | 0.83 | 0.82 |
| 14,000 | 1.00 | 0.97 | 0.96 | 0.93 | 0.91 | 0.90 | 0.88 | 0.87 | 0.85 | 0.84 | 0.83 | 0.82 | 0.81 |
| 15,000 | 1.00 | 0.97 | 0.95 | 0.93 | 0.91 | 0.89 | 0.88 | 0.86 | 0.85 | 0.83 | 0.82 | 0.82 | 0.80 |
| 16,000 | 1.00 | 0.97 | 0.95 | 0.93 | 0.90 | 0.89 | 0.87 | 0.86 | 0.84 | 0.83 | 0.82 | 0.81 | 0.79 |
| 18,000 | 1.00 | 0.97 | 0.95 | 0.92 | 0.90 | 0.88 | 0.86 | 0.84 | 0.83 | 0.81 | 0.80 | 0.79 | 0.78 |
| 20,000 | 1.00 | 0.96 | 0.94 | 0.91 | 0.89 | 0.87 | 0.85 | 0.83 | 0.82 | 0.80 | 0.79 | 0.78 | 0.76 |
| 22,000 | 1.00 | 0.96 | 0.94 | 0.91 | 0.88 | 0.86 | 0.84 | 0.82 | 0.80 | 0.79 | 0.78 | 0.76 | 0.75 |
| 26,000 | 1.00 | 0.96 | 0.93 | 0.90 | 0.87 | 0.85 | 0.83 | 0.80 | 0.78 | 0.77 | 0.75 | 0.74 | 0.72 |
| 30,000 | 1.00 | 0.95 | 0.93 | 0.89 | 0.86 | 0.83 | 0.81 | 0.79 | 0.76 | 0.75 | 0.73 | 0.72 | 0.70 |
| 50,000 | 1.00 | 0.94 | 0.91 | 0.86 | 0.82 | 0.78 | 0.76 | 0.73 | 0.70 | 0.67 | 0.65 | 0.64 | 0.61 |

# CHAPTER 4

# METHODOLOGY FOR DREDGING PLANT

## SECTION I. GENERAL

4-1. Contents. This chapter contains the methodology used to compute ownership and operating rates for dredging plant.

4-2. General. Use rates for ownership and operating costs have not been developed for dredging plant since this type of equipment is normally custom designed and built.

a. Ownership and operating cost factors as shown in TABLE 4-1 are for various types of plant. When a type of plant is not listed, the expense factors may be estimated by using the factors listed for a similar type of plant.

b. This rate methodology applies only to dredges and floating attendant plant engaged in any type of large scale dredging operation. Small portable hydraulic dredges with discharge diameters of 12 inches or less, clamshell dredges less than 5 cubic yard capacity, and marine equipment (non-dredging) not listed in TABLE 4-1 shall have rates developed using the methodology in Chapter 2.

c. Hopper dredge factors and rate methodology are not included in this chapter. These factors have been omitted primarily due to the limited number of hopper dredges and the complexity of the methodology used to calculate rates. Hopper dredge rates can be determined using the Corps of Engineers' Dredge Estimating Program (CEDEP). Information on dredge estimating programs can be obtained by contacting the Jacksonville District Cost Engineering Branch.

## SECTION II. ANNUAL USE

4-3. Time Available to Dredge.

a. The number of months available per year for the contract dredge shall be based on the work time available to dredge, excluding downtime for major repairs including work in dry dock, bad weather, and environmental restrictions. However, due to the mobility of the dredge, uncertainty of environmental regulations, and other constraints placed on the dredge, the availability is difficult to determine. Therefore Figure 4-1, Months Available by Region, depicts estimated months available for dredging based on data collected from Corps of Engineers' regional dredge estimating teams. This information shall be used in lieu of available months being specified in the contract documents.

b. The basis for estimating operating hours of use per month must be documented in the estimate by the cost engineer.

MONTHS AVAILABLE TO DREDGE BY REGION

| Region | Type of Dredge Operation | | |
|---|---|---|---|
| | Pipeline | Bucket | Hopper |
| Atlantic Coast and tributaries | 9 | 10 | 10 |
| Gulf Coast, Lower Mississippi (St. Louis south) and tributaries | 10 | 10 | 11 |
| Great Lakes, Upper Mississippi (St. Louis north) and tributaries | 8 | 8 | 8 |
| West Coast and tributaries | 9 | 9 | 9 |

Figure 4-1. - Months Available by Region

**SECTION III. LIFE**

4-4. Economic Life. The expected economic life in thousands of hours for various types of dredge plant shown in TABLE 4-1 is based on average dredging conditions. The values for estimated economic life are based on working in salt water conditions. If adjustments need to be made, the adjustment should be made only for the time required to dredge the exceptional material. Adjustments can be made under the following circumstances:

a. When more severe conditions are encountered, such as the dredging of very abrasive sand or rock, the expected life should be decreased.

b. When better than average conditions are encountered, such as dredging mud or silt, the expected life should be increased.

c. When the dredged material is a combination of various types, a weighted average should be estimated and the expected life adjusted accordingly.

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 monthly hours worked. The total annual hours available can be expressed by formula, as follows:

Available Hours/Year = Months Available x Hours/Month

4-6. Life in Years. Based on the estimated economic life of the dredge plant in hours and the annual hours available, the life in years is determined. The life in years will vary depending on these parameters and is expressed by formula, as follows:

Life in Years (N) = Life in Hours / Available Hours per Year

**SECTION IV. SALVAGE VALUE**

4-7. Salvage Value. The salvage value (SLV), expressed as a decimal, is shown in TABLE 4-1 for different types of plant.

**SECTION V. OWNERSHIP COST**

4-8. Ownership Cost. Ownership expense is expressed as a percent of plant value, which is defined as the actual acquisition cost plus any initial capital improvements. The value of initial capital improvements should be based on those betterments which were made within one year of purchase. Capital improvements should not include any replacement or repair work.

a. The ownership rate is determined from the plant value and the total expense rate for depreciation and FCCM. 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 expense is determined on an yearly basis using the following formula:

Ownership Per Year = Plant Value x (DEPR + FCCM)

where:

DEPR = Ownership percent per year for depreciation

FCCM = Ownership percent per year for Facilities Capital Cost of Money

4-9. Depreciation. 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 formula, as follows:

DEPR %/Year = 1-SLV / N

where:

N = Life in Years
SLV = Salvage Value

4-10. Facilities Capital Cost of Money. Facilities capital cost of money (FCCM) is computed as shown in paragraph 2-17, except that FCCM is determined on a yearly basis instead of an hourly basis and is expressed here as an annual percentage factor. The cost-of-money rate (CMR) in effect at the time the work is performed or current rate shall apply. This formula is expressed as follows:

$$\text{FCCM \%/Year} = \frac{[(N-1)(1+SLV)+2](CMR)}{2N}$$

where:

CMR = Cost-of-money rate reduced by 25.0% for overhead and profit allowance

4-11. Other Ownership Elements. Taxes, storage (lay-up), and insurance are considered indirect (overhead) costs (see Chapter 2). These are not included in ownership rates since they vary by geographic areas and with individual contractors. These costs should not be duplicated in the estimate or submitted proposal.

**SECTION VI. OPERATING FACTORS**

4-12. Hourly Operating Factors. Dredge plant operating factors are shown in TABLE 4-1. The hourly operating factors provided are estimated. It is intended that these factors be used only if the estimator does not have factual data available.

4-13. 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 of these engines is present, the horsepower should be totaled. Fuel consumption factors are prepared on the same basis as Chapter 2. If the estimator has more specific fuel consumption information, the horsepower factor (HPF) may be adjusted to reflect job conditions. The HPF factor is shown for information only in non-decimal format.

4-14. Water, Lube, and Supplies (WLS). This factor is similar to the 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 dredge plant.

4-15. Repairs (RPR). This factor includes an allowance for all major and minor repairs and is similar to the maintenance and repair cost factor described in Chapter 2. The economic adjustment factor (EAF) and the labor adjustment factor (LAF) are required to develop this cost. It should be noted that the repair allowance does not include the following estimated additive items:

a. Excessive dredge wear for parts such as cutter teeth and main suction pumps are not included due to the wide variety of materials being dredged. Bucket wear for mechanical dredges is estimated as an additive item or treated as a separate unit of equipment from TABLE 2-1. Allowances for wear due to abrasive material should only be included as an additive item if it is warranted and is not considered elsewhere in the estimate.

b. Dry docking costs, which represent an allowance for rental of the dry dock facility, are not included because they vary greatly depending on the facilities available. Repairs incurred while in dry dock, which occur periodically, are in the repair factor (RPR). Dry docking costs will be allocated on an average annual basis over the years between such occurrences (in accordance with FAR 31.205-24).

c. There is no predetermined allowance in the dredge 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.

4-16. Standby Rate. The standby rate is computed by allowing the full FCCM rate plus one-half of the depreciation. In addition to the standby ownership rate, it may be necessary on dredges to include a generator fuel allowance to account for operation of a diesel engine generator for power to operate pumps, navigation lights, etc. Standby will not be allowed during periods when the plant would have otherwise been in idle status.

## SECTION VII. RATE CALCULATION EXAMPLE

4-17. Rate Calculation Example. The following example shown in Figure 4-2, Dredge Plant Ownership and Operating Worksheet, illustrates the use of TABLE 4-1 and the regional data to generate a rate.

a. Ownership is determined by calculating yearly percentages to account for FCCM and depreciation. Operating costs are determined by utilizing formulas from Chapter 2 for FUEL, FOG (WLS), and REPAIRS.

b. For illustration purposes, assume that a 24" hydraulic dredge was purchased new in 1985 for $3,700,000 including tax and delivery, and there were no initial capital improvements. This example uses 500 hours per month and a reduced cost-of-money rate (CMR) of 5.20%.

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# TABLE 4 – 1
## *DREDGE PLANT EXPENSE FACTORS*

| TYPE OF PLANT | LIFE (HRS) | SALVAGE VALUE (SLV) | PRIME ENGINE FUEL FACTOR HPF | PRIME ENGINE FUEL FACTOR G | PRIME ENGINE FUEL FACTOR D | SECONDARY ENGINE FUEL FACTOR HPF | SECONDARY ENGINE FUEL FACTOR G | SECONDARY ENGINE FUEL FACTOR D | WLS (%) G | WLS (%) D | RPR (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *HYDRAULIC DREDGES – PIPELINE* | | | | | | | | | | | |
| (CUTTERHEAD OR DUSTPAN) | | | | | | | | | | | |
| (BASED ON DISCHARGE DIAMETER) | | | | | | | | | | | |
| (NON–TRUCKABLE) | | | | | | | | | | | |
| 15" AND UNDER | 20,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 22 | 24 | 80 |
| 16–INCH THRU 19–INCH | 30,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 22 | 24 | 90 |
| 20–INCH THRU 23–INCH | 45,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 22 | 24 | 100 |
| 24–INCH THRU 29–INCH | 60,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 22 | 24 | 110 |
| 30–INCH OR LARGER | 75,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 22 | 24 | 120 |
| *BOOSTERS – BARGE–MOUNTED* | | | | | | | | | | | |
| (FOR PIPELINE DREDGES) | | | | | | | | | | | |
| 15" AND UNDER | 18,000 | 0.15 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 75 |
| 16–INCH THRU 19–INCH | 26,000 | 0.15 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 80 |
| 20–INCH THRU 23–INCH | 40,000 | 0.15 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 85 |
| 24–INCH THRU 29–INCH | 55,000 | 0.15 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 90 |
| 30–INCH OR LARGER | 70,000 | 0.15 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 20 | 22 | 95 |
| *MECHANICAL DREDGES* | | | | | | | | | | | |
| (LARGE) | | | | | | | | | | | |
| CLAMSHELL – 5 CY TO 15 CY | 30,000 | 0.15 | 70 | 0.072 | 0.039 | 60 | 0.000 | 0.000 | 22 | 24 | 110 |
| CLAMSHELL – 15 CY AND LARGER | 40,000 | 0.15 | 70 | 0.072 | 0.039 | 60 | 0.000 | 0.000 | 22 | 24 | 120 |
| ALL OTHER TYPES (BUCKET OR DIPPER) | 40,000 | 0.15 | 70 | 0.072 | 0.039 | 60 | 0.000 | 0.000 | 22 | 24 | 120 |
| *BARGES* | | | | | | | | | | | |
| (USED WITH DREDGING) | | | | | | | | | | | |
| FUEL OR WATER | 40,000 | 0.05 | 20 | 0.000 | 0.011 | 20 | 0.000 | 0.011 | 0 | 20 | 60 |
| EQUIPMENT OR WORK | 40,000 | 0.05 | 20 | 0.000 | 0.011 | 20 | 0.000 | 0.011 | 0 | 20 | 60 |
| DERRICK | 40,000 | 0.10 | 20 | 0.000 | 0.011 | 20 | 0.000 | 0.011 | 0 | 20 | 70 |
| ANCHOR | 40,000 | 0.05 | 20 | 0.000 | 0.011 | 20 | 0.000 | 0.011 | 0 | 20 | 60 |
| MOORING BARGE | 40,000 | 0.05 | 20 | 0.000 | 0.011 | 20 | 0.000 | 0.011 | 0 | 20 | 60 |
| DUMP SCOW | 40,000 | 0.05 | 20 | 0.000 | 0.011 | 20 | 0.000 | 0.011 | 0 | 20 | 70 |
| *TUGS & TENDERS* | | | | | | | | | | | |
| (USED WITH DREDGING) | | | | | | | | | | | |
| 1000 HP AND UNDER | 25,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 32 | 38 | 100 |
| OVER 1000 HP | 35,000 | 0.10 | 80 | 0.083 | 0.045 | 70 | 0.072 | 0.039 | 32 | 38 | 110 |
| BOATS – SEE CATEGORY M10.50 | | | | | | | | | | | |

## TABLE 4-1
### *DREDGE PLANT EXPENSE FACTORS (continued)*

| TYPE OF PLANT | LIFE (HRS) | SALVAGE VALUE (SLV) | PRIME ENGINE FUEL FACTOR HPF | PRIME ENGINE FUEL FACTOR G | PRIME ENGINE FUEL FACTOR D | SECONDARY ENGINE FUEL FACTOR HPF | SECONDARY ENGINE FUEL FACTOR G | SECONDARY ENGINE FUEL FACTOR D | WLS (%) G | WLS (%) D | RPR (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *PIPELINE & ACCESSORIES* | | | | | | | | | | | |
| (CALM ENVIRONMENT) | | | | | | | | | | | |
| *METAL PIPELINE (UNDER 20")* | | | | | | | | | | | |
| PUMPING MUD | 9,000 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| PUMPING SAND | 4,500 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| PUMPING ROCK (GRAVEL) | 1,500 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| JOINTS | 12,000 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 30 |
| PONTOONS/FLOATS | 60,000 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| *METAL PIPELINE (20" AND LARGER))* | | | | | | | | | | | |
| PUMPING MUD | 12,000 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| PUMPING SAND | 6,000 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| PUMPING ROCK (GRAVEL) | 2,000 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| JOINTS | 12,000 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 30 |
| PONTOONS/FLOATS | 60,000 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| *PIPELINE & ACCESSORIES* | | | | | | | | | | | |
| (OCEAN ENVIRONMENT) | | | | | | | | | | | |
| *METAL PIPELINE (ALL SIZES)* | | | | | | | | | | | |
| PUMPING MUD | 9,000 | 0.40 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| PUMPING SAND | 4,500 | 0.40 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| PUMPING ROCK (GRAVEL) | 1,500 | 0.40 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| JOINTS | 4,500 | 0.40 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| PONTOONS/FLOATS | 9,000 | 0.40 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| *METAL SHORELINE* | | | | | | | | | | | |
| PUMPING MUD | 12,000 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| PUMPING SAND | 6,000 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |
| PUMPING ROCK (GRAVEL) | 2,000 | 0.20 | 0 | 0.000 | 0.000 | 0 | 0.000 | 0.000 | 0 | 0 | 5 |

1. PERTINENT DATA:

| | | | | | |
|---|---|---|---|---|---|
| a. | Plant Description..... | > | 24" Hydraulic Cutter Suction Dredge | | |
| b. | Model & Series..... | > | Ellicott Series 4900 Super Dragon | | |
| c. | Prime Engine Horsepower..... | > | 3,730 HP | | |
| d. | Secondary Engine(s) Horsepower. | | | | |
| | (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. | Acquistion Year..... | > | 1985 | | |
| g. | Present Year..... | > | 1993 | | |
| h. | Cost of Money Rate (Undiscounted).. | > | 6.500 % | | |
| i. | Use Discounted Money Rate (6.500% / 1.25 ) = | | | 5.200% | |
| j. | Hours Worked per Month..... | > | 500 hrs/mo | | |
| k. | Additive Item(s) (Monthly Costs to be Estimated) | | | | |
| | (1) Dredge Wear (Mud, Sand or Gravel) | > | | $8,000 | /month |
| | (2) Dry Docking (Use of Facilities) | > | | $8,000 | /month |
| | (3) Yard cost (Support) | > | | $5,000 | /month |
| | (4) _____ | > | | _____ | /month |
| | (5) _____ | > | | _____ | /month |

Input Data, Methodology and Notes used in the Following Sections of this form are taken from or have reference to EP 1110-1-8, CONSTRUCTION EQUIPMENT OWNERSHIP AND EXPENSE SCHEDULE (See Chapter 4)

For information on Cost of Money Rate and Calculation of FCCM, see paragraph 4-10.

Past Cost of Money Rates are located in APPENDIX K.

SHEET 1 OF 5

FIGURE 4-2 – DREDGE PLANT OWNERSHIP AND OPERATING RATE WORKSHEET

2. APPENDIX "B" DATA:

a. LAF (Labor Adjustment Factor)..... > 1.170

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

(1) Fuel Cost per Gallon..... > $0.96 /gallon

3. APPENDIX E DATA: (EK 105)

a. Economic Index for Acquisition Year.... > 3749 <for 1985>

b. Economic Index for Present Year..... > 4718 <for 1993>

4. TABLE 4-1 DATA:

a. Life (in Hours) > 60,000 Hours

b. SLV (Salvage Value Factor)..... > 0.10

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

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

e. WLS (Water, Lube & Supplies Factor)..... > 24 % = 0.24

f. RPR (Repair Cost Factor)..... > 110 % = 1.10

5. Life in Years:

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

b. Hours Available per year: = (Hours Worked per Month x Months Available per year)

( 500 hrs/mo x 9 mos/yr ) = 4,500 hours/year

c. N (Life in years): = (Life in Hours / Hours Available Per Year)

( 60,000 hours / 4,500 hours/yr ) = 13.33 years

SHEET 2 of 5

FIGURE 4-2 - DREDGE PLANT OWNERSHIP AND OPERATING RATE WORKSHEET (continued)

6. Ownership Expense Percent per Year

a. Depreciation Percent (%): = (1.0 − SLV) / N

( 1.0 − 0.10 ) / 13.33 = 6.75%

b. FCCM Percent (%): = [(N−1)(1+SLV) + 2] x Discounted Money Rate / 2N

[(13.33 − 1)(1 + 0.10) + 2] x 5.200% / (2 x 13.33) = 3.04%

c. Total Ownership Percent Per Year....(6.75% + 3.04%) = 9.79%

7. OWNERSHIP COSTS:

a. Yearly Ownership Expense: = (Total Plant Value x Total Yearly Ownership %)

( $3,700,000 x 9.79% ) = $362,230 /year

b. Monthly Ownership Expense: = (Yearly Ownership Expense / Yearly Months Available)

( $362,230 /yr / 9 mos/yr ) = $40,248 /month

8. OPERATING COSTS:

a. Fuel Cost = (Engine Fuel Factor x HP x Fuel Cost/Gal)

(1) Prime Engine Fuel:

( 0.045 x 3,730 HP x $0.96 /gal ) = $161.14 /hour

(2) Secondary Engine Fuel:

( 0.039 x 2,475 HP x $0.96 /gal ) = $92.66 /hour

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

(1) Prime Engine WLS:

( 0.24 x $161.14 /Hr ) = $38.67 /hour

(2) Secondary Engine WLS:

( 0.24 x $92.66 /Hr ) = $22.24 /hour

SHEET 3 OF 5

FIGURE 4−2 − DREDGE PLANT OWNERSHIP AND OPERATING RATE WORKSHEET (continued)

8. OPERATING COSTS (Continued):

c. Repair Cost:

(1) EAF (Economic Adjustment Factor)

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

( 4718 <for 1993> / 3749 <for 1985> ) = 1.258

(2) Repair Cost:

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

($3,700,000 x 1.10 x 1.258 x 1.170) / 60,000 hrs = $99.84 /hour

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

($161.14 + $92.66 + $38.67 + $22.24 + $99.84) = $414.55 /hour

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

( $414.55 /hour x 500 hours/month) = $207,275 /month

9. SUBTOTAL MONTHLY EXPENSE = (OWNERSHIP + OPERATING)

( $40,248 /month + $207,275 /month ) = $247,523 /month

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

| | | | | |
|---|---|---|---|---|
| a. | (1) | Dredge Wear (Mud, Sand or Gravel) | $8,000 | /month |
| | (2) | Dry Docking (Use of Facilities) | $8,000 | /month |
| | (3) | Yard cost (Support) | $5,000 | /month |
| | (4) | _____ | _____ | /month |
| | (5) | _____ | _____ | /month |
| b. | | Subtotal – Estimated Additive Items | $21,000 | /month |

11. TOTAL MONTHLY RATE (Items 9 + 10 b.) $268,523 /month

See Following Sheet for Standby Allowance.

SHEET 4 OF 5

FIGURE 4–2 – DREDGE PLANT OWNERSHIP AND OPERATING RATE WORKSHEET (continued)

12. STANDBY ALLOWANCE

a. Yearly Standby Expense:

= [((0.50 x Depr. %) + FCCM %) x Plant Value]

[(( 0.50 x 6.75% ) + 3.04% ) x $3,700,000 ] = $237,355 /year

b. Monthly Standby Expense:

= (Yearly Standby Expense / Yearly Months Available)

( $237,355 /yr / 9 mos/yr ) = $26,373 /month

c. STANDARD HOURLY STANDBY EXPENSE:

= (Monthly Standby Expense / Hours Worked per Month)

( $26,373 /month / 500 hours/month ) = $52.75 /hour

An additional generator fuel allowance may be allowed under certain circumstances. This allowance is applicable to dredges only.

d. Generator Fuel Allowance for a Dredge:

= ((Generator HP / Total Secondary HP) x Secondary Fuel Cost)

((200 HP / 2,475 HP) x $92.66) = + $7.49 /hour

e. TOTAL HOURLY STANDBY ALLOWANCE FOR A DREDGE:

= (Standby Allowance + Generator Fuel Allowance)

( $52.75 + $7.49 ) = $60.24 /hour

SHEET 5 OF 5

**FIGURE 4-2 – DREDGE PLANT OWNERSHIP AND OPERATING RATE WORKSHEET (continued)**

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# APPENDIX A

# REFERENCES

## SECTION I.
## REQUIRED PUBLICATIONS

FAR 31.105 — Construction and Architect-Engineer Contracts", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., 1992.

FAR 31.205-10 — Cost of Money", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., 1992.

FAR 31.205-24 — Maintenance and Repair Costs", Federal Acquisition Regulation, Government Printing Office, Washington, D.C., 1992.

DPC #76-2 — Part 414 - Cost Accounting Standard - Cost of Money as an Element of the Cost of Facilities Capital", Defense Procurement Circular (DPC) #76-2, Government Printing, Office, Washington, D.C., August 1976.

Producer Prices and Price Indexes, U. S. Department of Labor, Bureau of Labor Statistics, Government Printing, Office, Washington, D.C., 1957 through 1992.

## SECTION II:
## RELATED PUBLICATIONS

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

Bulletin B-502, Goodyear Tire and Rubber Company, Akron, Ohio, May 1992.

Caterpillar Performance Handbook, 23rd ed, Caterpillar Tractor Company, Peoria, Illinois, 1992.

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

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

**APPENDIX A** (Continued)

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

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

Green Guide for Off-Highway Trucks and Trailers, Dataquest, Inc., Palo Alto, California, 1988, 1992, and 1993.

Green Guide Volume I, Dataquest, Inc., Palo Alto, California, 1992, and 1993.

Green Guide Volume II, Dataquest, Inc., Palo Alto, California, 1992, and 1993.

Handbook of Heavy Construction, Haver, J. A., and F. W. Stubbs Jr., 2nd ed, McGraw-Hill Company, New York, 1971.

Means 1993 Labor Rates for the Construction Industry, 18th ed, R. S. Means Company, Inc., Kingston, Massachusetts, 1991.

Moving the Earth, Nichols, H. L., Jr., 3rd ed, North Castle Books, Greenwich, Connecticut, 1976.

Operating Cost Guide, Power Crane and Shovel Association, Milwaukee, Wisconsin, 1976.

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

Production and Cost Estimating of Material Movement with Earthmoving Equipment, General Motors Corporation, Terex Division, Hudson, Ohio, 1975.

# APPENDIX A

## SECTION III:
## EFAR REFERENCE

31 July 1989 31.1-1

PART 31
CONTRACT COST PRINCIPLES AND PROCEDURES

SUBPART 31.1 -- APPLICABILITY

31.105 Construction and Architect-Engineer Contracts.

(d)(2)(i)(A) When the contracting officer cannot determine actual cost data for both ownership and operating costs for any piece of equipment or groups of similar serial or series equipment from the contractor's accounting records, ownership and operating costs for that equipment shall be determined in accordance with the Construction Equipment Ownership and Operating Expense Schedule published by the U.S. Army Corps of Engineers. The contracting officer shall insert the following statement in all solicitations and contracts for construction within the United States expected to exceed S25,000.

EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE.

(a) 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 *. Working 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 retrospective pricing, the schedule in effect at the time the work was performed shall apply.

(b) Equipment rental costs are allowable, subject to the provisions of FAR 31.105(d)(ii) and FAR 31.205-36 substantiated by certified copies of paid invoices. Rates for equipment rented from an organization under common control, lease-purchase or sale-leaseback arrangements will be determined using the schedule except that rental costs leased from an organization under common control that has an established practice of leasing the same or similar equipment to unaffiliated lessees are allowable. Costs for major repairs and overhaul are unallowable.

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* Insert the Roman numeral for the appropriate region of the schedule.

## APPENDIX A

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

31 July 1989 31.1-2

(c) When actual equipment costs are proposed and the total amount of the pricing action is over $25,000, cost or pricing data shall be submitted on Standard Form 1411, "Contract Pricing Proposal Cover Sheet." By submitting cost or pricing data, the contractor grants to the contracting officer or an authorizing representative the right to examine those books, records, documents and other supporting data that will permit evaluation of the proposed equipment costs. After price agreement the contractor shall certify that the equipment costs or pricing data submitted are accurate, complete and current. Insert the Roman numeral for the appropriate region of the schedule.

(d) This does not apply to terminations. See 49.113(100) and FAR Part 49.

## APPENDIX A

### SECTION IV.
### GOVERNMENT BOOKSTORES

U.S. Government periodicals are sold by the Office of the Superintendent of Documents. Orders may be placed by mail from the following address.

Superintendent of Documents
P. O. Box 371954
Pittsburgh, PA 15250-7954

Orders may also be placed by telephone or fax (Visa/Mastercard is accepted)

Telephone: (202) 783-3238 -or- Fax: (202) 512-2250.

Regional government bookstores can also be contacted for orders (see list).

RETURN POLICY: Publications are not accepted for exchange or credit unless an error was made in filling your order .

When ordering, 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 12 |

**REGIONAL BOOKSTORES**

WASHINGTON: 710 N. Capitol St., NW, Washington, DC 20401 (202) 512-0132

WASHINGTON (BRANCH): 1510 H. St, NW. Washington, DC 20005 (202) 653-5075

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

ATLANTA: 275 Peachtree St., NE, P.O. Box 56445, Atlanta, GA 30343
(404) 331-6947

BIRMINGHAM: O'Neill Building 2021 3rd Avenue North Birmingham, AL 35203
(205) 731-1056

BOSTON: Thomas P. O'Neill, Federal Building, 10 Causeway St., Rm 169,
Boston, MA 02222 (617) 720-4180

CHICAGO: Room 1365, Federal Building, 219 S. Dearborn St. Chicago, IL 60604
(312) 353-5133

CLEVELAND: Room 1653, Federal Building, 1240 East 9th Street, Cleveland, OH
44199 (216) 522-4922

## APPENDIX A

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

COLUMBUS: Room 207, Federal Building, 200 N. High Street Columbus, OH 43215 (614) 469-6956

DALLAS: Room 1C50. Federal Building, 1100 Commerce Street Dallas, TX 75242 (214) 767-0076

DENVER: Room 117, Federal Building 1961 Stout Street Denver, CO 80294 (303) 844-3964

DETROIT: Suite 160, Federal Building, 477 Michigan Avenue Detroit, MI 48226 (313) 226-7816

HOUSTON: Texas Crude Building, 801 Travis Street, Houston, TX 77002 (713) 228-1187

JACKSONVILLE: Room 158, Federal Building, 400 West Bay Street, Jacksonville, FL 32202 (904) 353-0472

KANSAS CITY: #120 Bannister Mall, 5600 East Bannister Rd., Kansas City, MO 64137 (816) 767-8225

LOS ANGELES: ARCO Plaza, C-Level 505 South Flower St., Los Angeles, CA 90071 (213) 239-9844

MILWAUKEE: Room 190, Federal Building 517 E. Wisconsin Avenue Milwaukee, Wl 53202 (414) 297- 1304

NEW YORK: Room 110, Federal Building, 26 Federal Plaza, New York, NY 10278 (212) 264-3825

PHILADELPHIA: Robert Morris Building, 100 North 17th Street, Philadelphia, PA 19103 (215) 597-0677

PITTSBURGH Room 118, Federal Building, 1000 Liberty Avenue, Pittsburgh, PA 15222 (412) 644-2721

PORTLAND: 1305 S.W. First Avenue, Portland, OR 97201 (503) 221-6217

PUEBLO: World Savings Building, 720 North Main St., Pueblo, CO 81003 (719)544-3142

SAN FRANCISCO: Room 1023, Federal Building, 450 Golden Gate Avenue, San Francisco, CA 94102 (415) 252-5334

SEATTLE: Room. 194, Federal Building, 915 Second Avenue, Seattle, WA 98174 (206) 553-4217

# APPENDIX B

# AREA FACTORS

**The area factors given in this Appendix were used to compute the hourly equipment rates shown in Table 2-1**

| | |
|---|---|
| Total State Sales or Import Tax Rate | 5.00 % |
| Working Hours Per Year (WHPY) | 1,650 hrs/yr |
| Labor Adjustment Factor (LAF) | 1.17 |
| Electricity Cost Per Kilowatt-Hour | $ 0.080 /kW-Hr |
| Gasoline Cost Per Gallon | $ 1.53 /gal |
| Diesel Cost Per Gallon (Off-Road Use) | $ 0.96 /gal |
| Diesel Cost Per Gallon (On-Road Use) | $ 1.49 /gal |
| Cost-of-Money Rate (Full Rate) | 6.50 % |
| Cost-of-Money Rate (Adjusted) | 5.20 % |

## Freight Rates

| | | | | |
|---|---|---|---|---|
| | 0 cwt | thru | 240 cwt | $ 27.40 /cwt |
| over | 240 cwt | thru | 300 cwt | $ 24.70 /cwt |
| over | 300 cwt | thru | 400 cwt | $ 21.60 /cwt |
| over | 400 cwt | thru | 500 cwt | $ 43.60 /cwt |
| over | 500 cwt | thru | 700 cwt | $ 39.25 /cwt |
| over | 700 cwt | thru | 800 cwt | $ 26.20 /cwt |
| over | 800 cwt | thru | 9,999 cwt | $ 23.80 /cwt |

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# APPENDIX C

## GUIDE FOR SELECTING OPERATING CONDITIONS (continued)

| EQUIPMENT TYPE | AVERAGE | SEVERE |
|---|---|---|
| *L30:* | | |
| Loaders, Belt | Working below rated capacity, with intermittent service. | Working at or above rated capacity with continuous service. |
| Depreciation Period (Hours): | 10,000 hours | 8,000 hours |
| *L35:* | | |
| Loaders, Front End Crawler Type | Bank excavation, intermittent ripping, basement digging of natural bed clays, sands, silts, 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 (Hours): | 10,000 hours | 8,000 hours |
| *L40:* | | |
| Loaders, Front End Wheel Type (does not include skid steer & 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 (Hours): | 10,000 – 12,000 hours | 8,000 – 10,000 hours |
| *L45 & L50:* | | |
| Loaders with Backhoe Crawler Type and Wheel Type | Utility applications in medium to heavy soil. Occassional use of constant flow implements. Dig depths to 3.05m (10 ft.). | Production applications or digging in rock. Regular use of constant flow implements. Dig depths over 3.05m (10 ft.). |
| Depreciation Period (Hours): | 10,000 hours | 8,000 hours |

# APPENDIX C

## 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 (Hours): | 10,000 hours | 8,000 hours |
| *M10 – .31 & .32 :*<br>Clamshell dredges < 5 cy<br>Amphibious Excavator | Gravels, silts, breakout force at less than capacity, fresh water conditions. | Rock, abrasive materials, load at rated capacity, salt water conditions. |
| Depreciation Period (Hours): | 12,000 – 20,000 hours | 10,000 – 18,000 hours |
| *M10 – .51, .52, & .53 :*<br>Boats, Skiffs, Crew Boats, Work Boats, Survey Boats & Launches | Fresh water applications, light waves, steady to light use. | Salt water use, medium to high waves, heavy use. |
| Depreciation Period (Hours): | 12,000 – 14,000 hours | 10,000 – 12,000 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 (Hours): | 12,000 hours | 10,000 hours |
| *R10:*<br>Rippers and Bank Slopers | Light rock, medium breakout force required. | Hard rock, excessive wear due to high breakout force. |
| Depreciation Period (Hours): | 8,000 hours | 6,500 hours |

# APPENDIX C

## GUIDE FOR SELECTING OPERATING CONDITIONS (continued)

| EQUIPMENT TYPE | AVERAGE | SEVERE |
|---|---|---|
| *S10, S15, S20 & S 25:* | | |
| 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 (Hours): | 10,000 – 12,000 hours | 8,000 – 10,000 hours |
| *T15:* | | |
| Tractors<br>Crawler (Dozer) | Production dozing in clays, sands, gravels, and talus rock. Push–loading scrapers, borrow pit ripping, most landclearing 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 (Hours): | 10,000 – 12,000 hours | 8,000 – 10,000 hours |
| *T20:* | | |
| Tractors<br>Wheel Type (Dozer) | Production dozing, pushloading 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 (Hours): | 10,000 hours | 8,000 hours |
| *T30:* | | |
| Trenchers<br>Chain & 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 (Hours): | 8,000 – 10,000 hours | 6,500 – 8,000 hours |

# APPENDIX C

## GUIDE FOR SELECTING OPERATING CONDITIONS (continued)

| EQUIPMENT TYPE | AVERAGE | SEVERE |
|---|---|---|
| *T45 & T50:* | | |
| 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 (Hours): | 7,000 – 10,000 hours | 5,500 – 8,000 hours |
| *T55 & T60:* | | |
| Trucks, Off–Highway<br>Trucks, Water, Off–Highway | 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 matched loading equipment with continuous overloading. |
| Depreciation Period (Hours): | 12,000 hours | 10,000 hours |
| *T65 – .20 & .40:* | | |
| Tunnel / Mining Equipment<br>Tunnel Boring 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 (Hours): | 16,000 – 22,000 hours | 14,000 – 20,000 hours |
| *W10 & W15:* | | |
| 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 (Hours): | 12,000 hours | 10,000 hours |

# APPENDIX D

## EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS

**TABLE LEGEND**

EK - Reference To Economic Index Key (see Appendix E)

C - Operating Conditions (A = average, S = severe)

DC - Discount Code on Equipment Cost (B = basic, S = special)
Current Discount Rates: basic = 7.5%, special = 15%

LIFE - Equipment Life (hrs)
SLV - Equipment Salvage Value Percent (decimal format)
HPF - Horsepower Factor (for reference only)

Fuel Factor - Equipment and Carrier

E - Electric Consumption (kW/hp/hr)
G - Gasoline Consumption (gal/hp/hr)
D - Diesel Consumption (gal/hp/hr)

FOG - Filters,Oil and Grease (decimal format)

E - FOG Percent For Electric Power
G - FOG Percent For Gasoline Power
D - FOG Percent For Diesel Power

Tire Factors (decimal format)

FT - Front Tire Wear Factor Percent
DT - Drive Tire Wear Factor Percent
TT - Trailing Tire Wear Factor Percent

RPR - Repair Cost Factor Percent (decimal format)

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A10 0.00 | AGGREGATE/CHIP SPREADERS | 1 | | | | | | | | | | | | | | | | | | | |
| A10 0.10 | SELF PROPELLED | 10 | A | B | 10,000 | .20 | 50 | .500 | .052 | .028 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .97 | .69 | .99 | 0.75 |
| A10 0.20 | TOWED & TAILGATE | 10 | A | B | 6,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .79 | 0.60 |
| A15 0.00 | AIR COMPRESSORS, PORTABLE | 1 | | | | | | | | | | | | | | | | | | | |
| A15 0.10 | ROTARY SCREW | 5 | A | B | 10,000 | .25 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .00 | .00 | .90 | 0.75 |
| A15 0.20 | SHOP TYPE, ELECTRIC | 5 | A | B | 12,000 | .20 | 65 | .650 | .000 | .000 | 0 | .000 | .000 | .000 | .45 | .00 | .00 | .00 | .00 | .90 | 0.65 |
| A20 0.00 | AIR HOSE, TOOLS & EQUIPMENT | 1 | | | | | | | | | | | | | | | | | | | |
| A20 0.10 | AIR HOSES | 5 | A | B | 3,500 | .10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 1.50 |
| A20 0.20 | BLAST HOSE | 5 | A | B | 3,500 | .10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 1.65 |
| A20 0.30 | SANDBLASTERS & BREAKERS | 5 | A | B | 4,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .81 | .65 | .90 | 1.50 |
| A25 0.00 | ASPHALT DISTRIBUTORS | 10 | A | B | 8,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .28 | .71 | .57 | .79 | 0.85 |
| A30 0.00 | ASPHALT FINISHERS/PAVERS | 1 | | | | | | | | | | | | | | | | | | | |
| A30 0.10 | SELF PROPELLED | 10 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .28 | .83 | .66 | .92 | 1.00 |
| A30 0.20 | TOWED | 10 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .28 | .83 | .66 | .92 | 0.80 |
| A35 0.00 | ASPHALT KETTLES | 10 | A | B | 6,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .28 | .76 | .60 | .84 | 0.80 |
| A40 0.00 | ASPHALT & CONCR. MILLERS/PROFILERS | 10 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .28 | .83 | .66 | .92 | 1.00 |
| A45 0.00 | ASPHALT RECYCLERS & SEALERS | 10 | A | B | 8,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .28 | .76 | .60 | .84 | 0.90 |
| B00 0.00 | BACKHOE (SEE HYD. EXCAV.) | 1 | | | | | | | | | | | | | | | | | | | |
| B10 0.00 | BATCH PLANTS,ASPHALT & CONCRETE | 1 | | | | | | | | | | | | | | | | | | | |
| B10 0.10 | ASPHALT | 10 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .60 | .60 | .84 | 1.00 |
| B10 0.20 | CONCRETE | 10 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .60 | .60 | .84 | 1.00 |
| B10 0.30 | PUGMILL | 10 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .60 | .60 | .84 | 1.00 |
| B15 0.00 | BROOMS, STREET SWEEPERS & FLUSHERS | 95 | A | B | 8,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .28 | .81 | .65 | .90 | 0.80 |
| B20 0.00 | BRUSH CHIPPERS | 95 | A | B | 8,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .28 | .00 | .00 | .90 | 0.90 |
| B25 0.00 | BUCKETS, CLAMSHELL | 15 | A | B | 10,000 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.70 |
| B25 0.00 | | 15 | S | B | 8,000 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.80 |
| B30 0.00 | BUCKETS, CONCRETE | 1 | | | | | | | | | | | | | | | | | | | |
| B30 0.10 | GENERAL PURPOSE, MANUAL | 15 | A | B | 10,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.70 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B30 0.20 | LAYDOWN | 15 | A | B | 10,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.75 |
| B30 0.30 | LOWBOY | 15 | A | B | 10,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.80 |
| B30 0.40 | LOW SLUMP | 15 | A | B | 10,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.80 |
| B35 0.00 | BUCKETS, DRAGLINE | 1 | | | | | | | | | | | | | | | | | | | |
| B35 0.10 | LIGHT WEIGHT | 15 | A | B | 8,000 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.70 |
| B35 0.10 | | 15 | S | B | 6,500 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.80 |
| B35 0.20 | MEDIUM WEIGHT | 15 | A | B | 9,000 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.70 |
| B35 0.20 | | 15 | S | B | 7,000 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.80 |
| B35 0.30 | HEAVY WEIGHT | 15 | A | B | 10,000 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.70 |
| B35 0.30 | | 15 | S | B | 8,000 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.80 |
| C05 0.00 | CHAIN SAWS | 95 | A | B | 4,000 | .15 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .45 | .32 | .38 | .00 | .00 | .00 | 2.50 |
| C10 0.00 | COMPACTORS, MANUALLY OPERATED | 95 | A | B | 5,000 | .20 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .45 | .24 | .24 | .00 | .00 | .85 | 1.20 |
| C15 0.00 | CONCRETE BLASTERS | 95 | A | B | 6,000 | .20 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .50 | .32 | .28 | .00 | .00 | .90 | 0.90 |
| C20 0.00 | CONCRETE BUGGIES | 95 | A | B | 5,000 | .20 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .50 | .32 | .28 | .00 | .66 | .90 | 0.70 |
| C25 0.00 | CONCRETE FINISHERS | 95 | A | B | 5,000 | .20 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .50 | .32 | .28 | .00 | .00 | .90 | 0.80 |
| C30 0.00 | CONCRETE GRINDERS | 95 | A | B | 5,000 | .20 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .50 | .32 | .28 | .00 | .00 | .90 | 0.90 |
| C35 0.00 | CONCRETE GUNITERS/SHOTCRETERS | 95 | A | B | 7,000 | .15 | 75 | .750 | .078 | .042 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .81 | .65 | .90 | 0.90 |
| C40 0.00 | CONCRETE/WASTE MIXERS | 95 | A | B | 5,000 | .20 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .50 | .32 | .28 | .00 | .00 | .90 | 0.80 |
| C45 0.00 | CONCRETE PAVING MACHINES | 10 | A | B | 10,000 | .20 | 75 | .750 | .078 | .042 | 0 | .000 | .000 | .000 | .00 | .32 | .28 | .83 | .66 | .92 | 1.00 |
| C55 0.00 | CONCRETE PUMPS | 95 | A | B | 8,000 | .15 | 95 | .950 | .098 | .053 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .81 | .65 | .90 | 1.00 |
| C60 0.00 | CONCRETE SAWS | 95 | A | B | 6,000 | .20 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .45 | .32 | .38 | .00 | .00 | .90 | 1.00 |
| C65 0.00 | CONCRETE VIBRATORS | 5 | A | B | 4,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .38 | .00 | .00 | .00 | 2.50 |
| C70 0.00 | CRANES, GANTRY & STRADDLE | 1 | | | | | | | | | | | | | | | | | | | |
| C75 0.00 | CRANES, HYDRAULIC, SELF-PROP. | 20 | A | B | 14,000 | .15 | 75 | .750 | .078 | .042 | 0 | .000 | .000 | .000 | .00 | .32 | .30 | .89 | .71 | .90 | 0.80 |
| C80 0.00 | CRANES, HYDRAULIC, TRUCK MTD | 1 | | | | | | | | | | | | | | | | | | | |
| C80 0.01 | UNDER 26 TON | 20 | A | B | 14,000 | .15 | 65 | .650 | .067 | .036 | 10 | .100 | .010 | .006 | .00 | .38 | .36 | .97 | .78 | .00 | 0.60 |
| C80 0.01 | | 20 | S | B | 12,000 | .15 | 85 | .850 | .088 | .047 | 13 | .130 | .013 | .007 | .00 | .38 | .36 | .86 | .61 | .00 | 0.65 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C80 0.02 | 26 TON THRU 65 TON | 20 | A | B | 16,000 | .15 | 65 | .650 | .067 | .036 | 10 | .100 | .010 | .006 | .00 | .30 | .26 | .97 | .78 | .00 | 0.70 |
| C80 0.02 | | 20 | S | B | 14,000 | .15 | 85 | .850 | .088 | .047 | 13 | .130 | .013 | .007 | .00 | .30 | .26 | .86 | .61 | .00 | 0.75 |
| C80 0.03 | 66 TON THRU 125 TON | 20 | A | B | 18,000 | .15 | 65 | .650 | .067 | .036 | 10 | .100 | .010 | .006 | .00 | .30 | .26 | .97 | .78 | .00 | 0.80 |
| C80 0.03 | | 20 | S | B | 16,000 | .15 | 85 | .850 | .088 | .047 | 13 | .130 | .013 | .007 | .00 | .30 | .26 | .86 | .61 | .00 | 0.85 |
| C80 0.04 | OVER 125 TON | 20 | A | B | 20,000 | .15 | 65 | .650 | .067 | .036 | 10 | .100 | .010 | .006 | .00 | .30 | .26 | .97 | .78 | .00 | 0.90 |
| C80 0.04 | | 20 | S | B | 18,000 | .15 | 85 | .850 | .088 | .047 | 13 | .130 | .013 | .007 | .00 | .30 | .26 | .86 | .61 | .00 | 0.95 |
| C85 0.00 | CRANES, MECHANICAL, CRAWLER MTD | 1 | | | | | | | | | | | | | | | | | | | |
| C85 0.10 | DRAGLINE, CLAMSHELL | 1 | | | | | | | | | | | | | | | | | | | |
| C85 0.11 | 0 THRU 1 CY | 20 | A | B | 12,000 | .15 | 50 | .500 | .052 | .028 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 0.80 |
| C85 0.11 | | 20 | S | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 0.90 |
| C85 0.12 | OVER 1 CY THRU 2-1/2 CY | 20 | A | B | 14,000 | .15 | 50 | .500 | .052 | .028 | 0 | .000 | .000 | .000 | .00 | .34 | .34 | .00 | .00 | .00 | 0.85 |
| C85 0.12 | | 20 | S | B | 12,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .34 | .34 | .00 | .00 | .00 | 0.95 |
| C85 0.13 | OVER 2-1/2 CY THRU 5 CY | 20 | A | B | 16,000 | .15 | 50 | .500 | .052 | .028 | 0 | .000 | .000 | .000 | .00 | .22 | .22 | .00 | .00 | .00 | 0.95 |
| C85 0.13 | | 20 | S | B | 14,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .22 | .22 | .00 | .00 | .00 | 1.05 |
| C85 0.14 | OVER 5 CY | 20 | A | B | 18,000 | .15 | 50 | .500 | .052 | .028 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .00 | 1.05 |
| C85 0.14 | | 20 | S | B | 16,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .00 | 1.15 |
| C85 0.20 | LIFTING | 1 | | | | | | | | | | | | | | | | | | | |
| C85 0.21 | 0 THRU 25 TON | 20 | A | B | 13,000 | .15 | 40 | .400 | .041 | .022 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 0.65 |
| C85 0.21 | | 20 | S | B | 11,000 | .15 | 52 | .520 | .054 | .029 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 0.70 |
| C85 0.22 | 26 TON THRU 50 TON | 20 | A | B | 15,000 | .15 | 40 | .400 | .041 | .022 | 0 | .000 | .000 | .000 | .00 | .20 | .20 | .00 | .00 | .00 | 0.75 |
| C85 0.22 | | 20 | S | B | 13,000 | .15 | 52 | .520 | .054 | .029 | 0 | .000 | .000 | .000 | .00 | .20 | .20 | .00 | .00 | .00 | 0.80 |
| C85 0.23 | 51 TON THRU 150 TON | 20 | A | B | 18,000 | .15 | 40 | .400 | .041 | .022 | 0 | .000 | .000 | .000 | .00 | .22 | .22 | .00 | .00 | .00 | 0.85 |
| C85 0.23 | | 20 | S | B | 16,000 | .15 | 52 | .520 | .054 | .029 | 0 | .000 | .000 | .000 | .00 | .22 | .22 | .00 | .00 | .00 | 0.90 |
| C85 0.24 | OVER 150 TON | 20 | A | B | 20,000 | .15 | 40 | .400 | .041 | .022 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .00 | 0.95 |
| C85 0.24 | | 20 | S | B | 18,000 | .15 | 52 | .520 | .054 | .029 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .00 | 1.00 |
| C90 0.00 | CRANES, MECHANICAL, TRUCK MTD | 1 | | | | | | | | | | | | | | | | | | | |
| C90 0.01 | UNDER 26 TON | 20 | A | B | 14,000 | .15 | 65 | .650 | .067 | .036 | 10 | .100 | .010 | .006 | .00 | .38 | .36 | .97 | .78 | .00 | 0.60 |
| C90 0.01 | | 20 | S | B | 12,000 | .15 | 85 | .850 | .088 | .047 | 13 | .130 | .013 | .007 | .00 | .38 | .36 | .86 | .61 | .00 | 0.65 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C90 0.02 | 26 TON THRU 65 TON | 20 | A | B | 16,000 | .15 | 65 | .650 | .067 | .036 | 10 | .100 | .010 | .006 | .00 | .30 | .26 | .97 | .78 | .00 | 0.70 |
| C90 0.02 | | 20 | S | B | 14,000 | .15 | 85 | .850 | .088 | .047 | 13 | .130 | .013 | .007 | .00 | .30 | .26 | .86 | .61 | .00 | 0.75 |
| C90 0.03 | 66 TON THRU 125 TON | 20 | A | B | 18,000 | .15 | 65 | .650 | .067 | .036 | 10 | .100 | .010 | .006 | .00 | .30 | .26 | .97 | .78 | .00 | 0.80 |
| C90 0.03 | | 20 | S | B | 16,000 | .15 | 85 | .850 | .088 | .047 | 13 | .130 | .013 | .007 | .00 | .30 | .26 | .86 | .61 | .00 | 0.85 |
| C90 0.04 | OVER 125 TON | 20 | A | B | 20,000 | .15 | 65 | .650 | .067 | .036 | 10 | .100 | .010 | .006 | .00 | .30 | .26 | .97 | .78 | .00 | 0.90 |
| C90 0.04 | | 20 | S | B | 18,000 | .15 | 85 | .850 | .088 | .047 | 13 | .130 | .013 | .007 | .00 | .30 | .26 | .86 | .61 | .00 | 0.95 |
| C95 0.00 | CRANES, TOWER | 20 | A | B | 18,000 | .20 | 65 | .650 | .067 | .036 | 10 | .100 | .010 | .006 | .50 | .30 | .26 | .00 | .00 | .00 | 0.85 |
| D10 0.00 | DRILLS, AIR TRACK, CRAWLER MTD | 25 | A | B | 10,000 | .20 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .62 | .44 | .00 | 1.00 |
| D15 0.00 | DRILLS, BORING MACHINES | 25 | A | B | 10,000 | .20 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .62 | .44 | .00 | 0.90 |
| D20 0.00 | DRILLS, CORE, COLUMN MOUNTED | 25 | A | B | 8,000 | .20 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .45 | .16 | .24 | .00 | .00 | .00 | 0.85 |
| D25 0.00 | DRILLS, CORE, SKID MOUNTED | 25 | A | B | 10,000 | .20 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .45 | .16 | .24 | .00 | .00 | .90 | 1.00 |
| D30 0.00 | DRILLS, EARTH/AUGER | 25 | A | B | 10,000 | .20 | 80 | .800 | .083 | .045 | 13 | .130 | .013 | .007 | .45 | .32 | .28 | .67 | .57 | .80 | 1.00 |
| D35 0.00 | DRILLS, ROTARY BLAST HOLE | 1 | | | | | | | | | | | | | | | | | | | |
| D35 0.10 | DIESEL or GASOLINE | 1 | | | | | | | | | | | | | | | | | | | |
| D35 0.11 | 0" THRU 11" DIA. HOLE | 25 | A | B | 14,000 | .20 | 80 | .800 | .083 | .045 | 10 | .100 | .010 | .006 | .00 | .38 | .38 | .62 | .44 | .00 | 1.00 |
| D35 0.12 | OVER 11" DIAM. | 25 | A | B | 18,000 | .20 | 80 | .800 | .083 | .045 | 10 | .100 | .010 | .006 | .00 | .32 | .32 | .62 | .44 | .00 | 1.00 |
| D35 0.20 | ELECTRIC | 1 | | | | | | | | | | | | | | | | | | | |
| D35 0.21 | 0" THRU 11" DIA. HOLE | 25 | A | B | 14,000 | .20 | 70 | .700 | .072 | .039 | 10 | .100 | .010 | .006 | .50 | .00 | .00 | .62 | .44 | .00 | 0.55 |
| D35 0.22 | OVER 11" DIAM. | 25 | A | B | 18,000 | .20 | 70 | .700 | .072 | .039 | 10 | .100 | .010 | .006 | .50 | .00 | .00 | .62 | .44 | .00 | 0.55 |
| F10 0.00 | FORK LIFTS | 95 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .24 | .24 | .87 | .78 | 90 | 0.75 |
| G10 0.00 | GENERATOR SETS | 1 | | | | | | | | | | | | | | | | | | | |
| G10 0.10 | PORTABLE | 30 | A | B | 8,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .90 | 0.60 |
| G10 0.10 | | 30 | S | B | 7,000 | .15 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .90 | 0.70 |
| G10 0.20 | SKID MOUNTED | 30 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .90 | 0.70 |
| G10 0.20 | | 30 | S | B | 8,000 | .15 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .90 | 0.80 |
| G15 0.00 | GRADERS, MOTOR | 35 | A | B | 12,000 | .25 | 60 | .600 | .062 | .033 | 0 | .000 | .000 | .000 | .00 | .20 | .34 | .89 | .71 | .00 | 0.70 |
| G15 0.00 | | 35 | S | B | 10,000 | .25 | 78 | .780 | .081 | .043 | 0 | .000 | .000 | .000 | .00 | .20 | .34 | .71 | .51 | .00 | 0.75 |
| H10 0.00 | HAMMERS, HYDRAULIC | 95 | A | B | 6,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 1.00 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H13 0.00 | HAZARD/TOXIC WASTE EQUIPMENT | 1 | | | | | | | | | | | | | | | | | | | |
| H13 0.10 | COMPACTORS (COMPRESSION FORCE) | 1 | | | | | | | | | | | | | | | | | | | |
| H13 0.11 | 0 THRU 50 TONS | 95 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .50 | .24 | .24 | .00 | .00 | .90 | 0.80 |
| H13 0.12 | OVER 50 TONS | 95 | A | B | 12,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .50 | .24 | .24 | .00 | .00 | .90 | 0.90 |
| H13 0.20 | FILTER PRESSES | | | | | | | | | | | | | | | | | | | | |
| H13 0.21 | STATIONARY | 95 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .50 | .24 | .24 | .00 | .00 | .90 | 0.90 |
| H13 0.22 | MOBILE | 95 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .50 | .24 | .24 | .00 | .00 | .90 | 0.80 |
| H13 0.30 | CENTRIFUGES | 95 | A | B | 4,000 | .20 | 65 | .650 | .000 | .000 | 0 | .000 | .000 | .000 | .50 | .00 | .00 | .00 | .00 | .00 | 0.70 |
| H13 0.40 | SHREDDERS | 95 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .00 | .00 | .90 | 0.90 |
| H13 0.50 | SOIL TREATMENT PLANT | 1 | | | | | | | | | | | | | | | | | | | |
| H13 0.51 | MOBILE | 95 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .00 | .00 | .90 | 1.00 |
| H13 0.60 | SLUDGE PROCESSING EQUIPMENT | 1 | | | | | | | | | | | | | | | | | | | |
| H13 0.61 | SLUDGE DISPENSERS | 95 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .00 | .00 | .90 | 1.00 |
| H13 0.70 | WASTE HANDLING EQUIPMENT | 1 | | | | | | | | | | | | | | | | | | | |
| H13 0.71 | DRUM HANDLING | 95 | A | B | 4,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .00 | .00 | .90 | 1.00 |
| H15 0.00 | HEATERS, SPACE | 1 | | | | | | | | | | | | | | | | | | | |
| H20 0.00 | HOIST | 95 | A | B | 9,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .00 | 0.80 |
| H25 0.00 | HYDRAULIC EXCAVATORS, CRAWLER MTD | 1 | | | | | | | | | | | | | | | | | | | |
| H25 0.10 | DIESEL or GASOLINE | 1 | | | | | | | | | | | | | | | | | | | |
| H25 0.11 | 0 THRU 1 CY | 65 | A | B | 8,000 | .25 | 60 | .600 | .062 | .033 | 0 | .000 | .000 | .000 | .00 | .38 | .38 | .00 | .00 | .00 | 0.70 |
| H25 0.11 | | 65 | S | B | 6,500 | .25 | 78 | .780 | .081 | .043 | 0 | .000 | .000 | .000 | .00 | .38 | .38 | .00 | .00 | .00 | 0.80 |
| H25 0.12 | OVER 1 CY THRU 2-1/2 CY | 65 | A | B | 10,000 | .20 | 60 | .600 | .062 | .033 | 0 | .000 | .000 | .000 | .00 | .38 | .38 | .00 | .00 | .00 | 0.80 |
| H25 0.12 | | 65 | S | B | 8,000 | .20 | 78 | .780 | .081 | .043 | 0 | .000 | .000 | .000 | .00 | .38 | .38 | .00 | .00 | .00 | 0.90 |
| H25 0.13 | OVER 2-1/2 CY THRU 5 CY | 65 | A | B | 12,000 | .15 | 60 | .600 | .062 | .033 | 0 | .000 | .000 | .000 | .00 | .22 | .22 | .00 | .00 | .00 | 1.10 |
| H25 0.13 | | 65 | S | B | 10,000 | .15 | 78 | .780 | .081 | .043 | 0 | .000 | .000 | .000 | .00 | .22 | .22 | .00 | .00 | .00 | 1.20 |
| H25 0.14 | OVER 5 CY | 65 | A | B | 14,000 | .15 | 60 | .600 | .062 | .033 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .00 | 1.20 |
| H25 0.14 | | 65 | S | B | 12,000 | .15 | 78 | .780 | .081 | .043 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .00 | 1.30 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H25 0.20 | ATTACHMENTS | 1 | | | | | | | | | | | | | | | | | | | |
| H25 0.21 | MOBILE SHEARS | 95 | A | B | 6,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 0.90 |
| H25 0.22 | MATERIAL HANDLING | 95 | A | B | 6,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 0.80 |
| H25 0.23 | CONCRETE PULVERIZERS | 95 | A | B | 6,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 1.00 |
| H30 0.00 | HYDRAULIC EXCAVATORS, WHEEL MTD | 1 | | | | | | | | | | | | | | | | | | | |
| H30 0.01 | 0 THRU 1 CY | 65 | A | B | 8,000 | .20 | 65 | .650 | .067 | .036 | 10 | .100 | .010 | .006 | .00 | .38 | .36 | .97 | .78 | .80 | 0.50 |
| H30 0.01 | | 65 | S | B | 6,500 | .20 | 85 | .850 | .088 | .047 | 13 | .130 | .013 | .007 | .00 | .38 | .36 | .86 | .61 | .65 | 0.55 |
| H30 0.02 | OVER 1 CY | 65 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 10 | .100 | .010 | .006 | .00 | .38 | .36 | .97 | .78 | .80 | 0.60 |
| H30 0.02 | | 65 | S | B | 8,000 | .15 | 85 | .850 | .088 | .047 | 13 | .130 | .013 | .007 | .00 | .38 | .36 | .86 | .61 | .65 | 0.65 |
| H35 0.00 | HYDRAULIC SHOVELS, CRAWLER MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| H35 0.10 | DIESEL | 1 | | | | | | | | | | | | | | | | | | | |
| H35 0.11 | 0 CY THRU 5 CY | 65 | A | B | 14,000 | .15 | 60 | .000 | .062 | .033 | 0 | .000 | .000 | .000 | .00 | .22 | .22 | .00 | .00 | .00 | 1.00 |
| H35 0.11 | | 65 | S | B | 12,000 | .15 | 78 | .000 | .081 | .043 | 0 | .000 | .000 | .000 | .00 | .22 | .22 | .00 | .00 | .00 | 1.10 |
| H35 0.12 | OVER 5 CY | 65 | A | B | 16,000 | .15 | 60 | .000 | .062 | .033 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .00 | 1.20 |
| H35 0.12 | | 65 | S | B | 14,000 | .15 | 78 | .000 | .081 | .043 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .00 | 1.30 |
| H35 0.20 | ELECTRIC | 1 | | | | | | | | | | | | | | | | | | | |
| H35 0.21 | OVER 2-1/2 CY | 65 | A | B | 18,000 | .20 | 50 | .500 | .000 | .000 | 0 | .000 | .000 | .000 | .25 | .00 | .00 | .00 | .00 | .00 | 0.80 |
| H35 0.21 | | 65 | S | B | 16,000 | .20 | 65 | .650 | .000 | .000 | 0 | .000 | .000 | .000 | .25 | .00 | .00 | .00 | .00 | .00 | 0.90 |
| L10 0.00 | LAND CLEARING EQUIPMENT | 70 | A | B | 8,000 | .20 | 60 | .600 | .062 | .033 | 10 | .100 | .010 | .006 | .00 | .30 | .26 | .72 | .50 | .90 | 0.90 |
| L10 0.00 | | 70 | S | B | 6,500 | .20 | 78 | .780 | .081 | .043 | 13 | .130 | .013 | .007 | .00 | .30 | .26 | .57 | .35 | .71 | 1.00 |
| L15 0.00 | LAWN MOWERS | 95 | A | B | 4,000 | .15 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .45 | .24 | .24 | .81 | .65 | .90 | 0.70 |
| L20 0.00 | LIGHTING SETS, TRAILER MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| L20 0.10 | METALLIC VAPOR | 95 | A | B | 8,000 | .25 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .90 | 1.50 |
| L25 0.00 | LINE STRIPING EQUIPMENT | 95 | A | B | 8,000 | .25 | 85 | .850 | .088 | .047 | 13 | .130 | .013 | .007 | .00 | .24 | .24 | .72 | .50 | .90 | 1.20 |
| L30 0.00 | LOADERS, BELT | 95 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .28 | .28 | .60 | .00 | .99 | 1.00 |
| L30 0.00 | | 95 | S | B | 8,000 | .20 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .45 | .28 | .28 | .40 | .00 | .96 | 1.10 |
| L35 0.00 | LOADERS, FRONT END, CRAWLER TYPE | 40 | A | B | 10,000 | .20 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .00 | .32 | .38 | .00 | .00 | .00 | 1.35 |
| L35 0.00 | | 40 | S | B | 8,000 | .20 | 91 | .910 | .094 | .051 | 0 | .000 | .000 | .000 | .00 | .32 | .38 | .00 | .00 | .00 | 1.40 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L40 0.00 | LOADERS, FRONT END, WHEEL TYPE | 1 | | | | | | | | | | | | | | | | | | | |
| L40 0.10 | ARTICULATED | 1 | | | | | | | | | | | | | | | | | | | |
| L40 0.11 | 0 THRU 225 HP | 45 | A | B | 10,000 | .25 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .42 | .70 | .42 | .00 | 0.70 |
| L40 0.11 | | 45 | S | B | 8,000 | .25 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .32 | .42 | .41 | .22 | .00 | 0.75 |
| L40 0.12 | OVER 225 HP | 45 | A | B | 12,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .30 | .70 | .42 | .00 | 0.70 |
| L40 0.12 | | 45 | S | B | 10,000 | .15 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .32 | .30 | .41 | .22 | .00 | 0.75 |
| L40 0.20 | SKID STEER | 45 | A | B | 8,000 | .15 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .00 | .32 | .42 | .70 | .42 | .00 | 0.80 |
| L40 0.30 | TOOL CARRIER | 1 | | | | | | | | | | | | | | | | | | | |
| L40 0.31 | 0 THRU 225 HP | 45 | A | B | 10,000 | .25 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .42 | .70 | .42 | .00 | 0.75 |
| L40 0.31 | | 45 | S | B | 8,000 | .25 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .32 | .42 | .41 | .22 | .00 | 0.80 |
| L40 0.32 | OVER 225 HP | 45 | A | B | 12,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .30 | .70 | .42 | .00 | 0.75 |
| L40 0.32 | | 45 | S | B | 10,000 | .15 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .32 | .30 | .41 | .22 | .00 | 0.80 |
| L45 0.00 | LOADERS W/ BACKHOE, CRAWLER TYPE | 40 | A | B | 10,000 | .20 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .00 | .32 | .38 | .00 | .00 | .00 | 1.35 |
| L45 0.00 | | 40 | S | B | 8,000 | .20 | 91 | .910 | .094 | .051 | 0 | .000 | .000 | .000 | .00 | .32 | .38 | .00 | .00 | .00 | 1.40 |
| L50 0.00 | LOADERS W/ BACKHOE, WHEEL TYPE | 45 | A | B | 10,000 | .25 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .72 | .50 | .00 | 0.80 |
| L50 0.00 | | 45 | S | B | 8,000 | .25 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .57 | .35 | .00 | 0.85 |
| L55 0.00 | LOADER/BACKHOE, ATTACHMENTS | 95 | A | B | 6,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 1.00 |
| L60 0.00 | LOG SKIDDERS | 75 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .28 | .73 | .44 | .00 | 0.80 |
| L60 0.00 | | 75 | S | B | 8,000 | .15 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .24 | .28 | .38 | .21 | .00 | 0.85 |
| M10 0.00 | MARINE EQUIPMENT | 1 | | | | | | | | | | | | | | | | | | | |
| M10 0.10 | MARINE MAINTENANCE EQUIPMENT | 1 | | | | | | | | | | | | | | | | | | | |
| M10 0.11 | AQUATIC MAINTENANCE,-LAKES/HARBORS | 105 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .83 | .66 | .92 | 0.70 |
| M10 0.12 | ATTACHMENTS FOR (M10 .10) | 105 | A | B | 6,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .60 | .00 | .99 | 0.60 |
| M10 0.20 | PORTABLE (TRUCKABLE) HYDRAULIC | 1 | | | | | | | | | | | | | | | | | | | |
| M10 0.20 | DREDGES 12" OR LESS | 1 | | | | | | | | | | | | | | | | | | | |
| M10 0.21 | CUTTERHEAD DREDGE, 8" OR LESS | 105 | A | B | 10,000 | .15 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .00 | .00 | .00 | 0.70 |
| M10 0.22 | CUTTERHEAD DREDGE OVER 8" THRU 12" | 105 | A | B | 12,000 | .10 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .00 | .00 | .00 | 0.80 |
| M10 0.23 | AUGERHEAD DREDGE, 12" OR LESS | 105 | A | B | 10,000 | .15 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .00 | .00 | .00 | 0.80 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M10 0.24 | FLOATING PUMPS, 12" OR LESS | 105 | A | B | 8,000 | .10 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .00 | .00 | .00 | 0.70 |
| M10 0.25 | DREDGE PUMPS, 12" OR LESS | 105 | A | B | 6,000 | .15 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .00 | .00 | .00 | 0.70 |
| M10 0.26 | ATTACHMENTS FOR (M10 .20) | 105 | A | B | 6,000 | .15 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .00 | .00 | .00 | 0.60 |
| M10 0.30 | SMALL MECHANICAL DREDGES | 1 | | | | | | | | | | | | | | | | | | | |
| M10 0.31 | CLAMSHELL BARGE-MOUNTED TO 5 CY | 20 | A | B | 20,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .24 | .24 | .00 | .00 | .00 | 1.00 |
| M10 0.31 | | 20 | S | B | 18,000 | .15 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .45 | .24 | .24 | .00 | .00 | .00 | 1.05 |
| M10 0.32 | AMPHIBIOUS EXCAVATORS | 65 | A | B | 12,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .38 | .38 | .00 | .00 | .00 | 0.90 |
| M10 0.32 | | 65 | S | B | 10,000 | .15 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .45 | .38 | .38 | .00 | .00 | .00 | 1.00 |
| M10 0.33 | HOE-MOUNTED DREDGING EXCAVATOR | 105 | A | B | 20,000 | .15 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .00 | .00 | .00 | 0.90 |
| M10 0.40 | BARGES & FLOATS (NON-DREDGING) | 1 | | | | | | | | | | | | | | | | | | | |
| M10 0.41 | WORK FLOATS | 105 | A | B | 6,000 | .10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.50 |
| M10 0.42 | WORK BARGES (SECTIONAL) | 105 | A | B | 10,000 | .10 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.60 |
| M10 0.45 | FLAT-DECK OR CARGO BARGE | 105 | A | B | 30,000 | .10 | 20 | .000 | .000 | .011 | 0 | .000 | .000 | .000 | .00 | .00 | .32 | .00 | .00 | .00 | 0.60 |
| M10 0.46 | HOPPER BARGE | 105 | A | B | 30,000 | .10 | 20 | .000 | .000 | .011 | 0 | .000 | .000 | .000 | .00 | .00 | .32 | .00 | .00 | .00 | 0.70 |
| M10 0.47 | DRILL BARGE | 105 | A | B | 30,000 | .10 | 20 | .000 | .000 | .011 | 0 | .000 | .000 | .000 | .00 | .00 | .32 | .00 | .00 | .00 | 0.70 |
| M10 0.48 | ALL OTHER BARGES | 105 | A | B | 30,000 | .10 | 20 | .000 | .000 | .011 | 0 | .000 | .000 | .000 | .00 | .00 | .32 | .00 | .00 | .00 | 0.70 |
| M10 0.50 | TUGS, BOATS, SKIFFS AND LAUNCHES | 1 | | | | | | | | | | | | | | | | | | | |
| M10 0.51 | 0 THRU 250 HP | 105 | A | B | 12,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .38 | .00 | .00 | .00 | 0.70 |
| M10 0.51 | | 105 | S | B | 10,000 | .15 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .45 | .32 | .38 | .00 | .00 | .00 | 0.75 |
| M10 0.52 | 251 THRU 300 HP | 105 | A | B | 12,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .38 | .00 | .00 | .00 | 0.80 |
| M10 0.52 | | 105 | S | B | 10,000 | .15 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .45 | .32 | .38 | .00 | .00 | .00 | 0.85 |
| M10 0.53 | 301 THRU 500 HP | 105 | A | B | 14,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .38 | .00 | .00 | .00 | 0.80 |
| M10 0.53 | | 105 | S | B | 12,000 | .15 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .45 | .32 | .38 | .00 | .00 | .00 | 0.85 |
| M10 0.54 | 501 THRU 1,000 HP | 105 | A | B | 20,000 | .15 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .45 | .32 | .38 | .00 | .00 | .00 | 0.90 |
| M10 0.55 | OVER 1,000 HP | 105 | A | B | 26,000 | .10 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .45 | .32 | .38 | .00 | .00 | .00 | 0.95 |
| P10 0.00 | PILE EXTRACTORS & LEADS | 50 | A | B | 6,000 | .35 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 0.80 |
| P20 0.00 | PILE HAMMERS, DOUBLE ACTING | 50 | A | B | 6,000 | .35 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 1.10 |
| P25 0.00 | PILE HAMMERS, SINGLE ACTING | 50 | A | B | 6,000 | .35 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 1.00 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P30 0.00 | PILE HAMMERS, VIBRATORY | 50 | A | B | 6,000 | .35 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 1.00 |
| P35 0.00 | PIPELAYERS | 70 | A | B | 12,000 | .25 | 35 | .350 | .036 | .020 | 0 | .000 | .000 | .000 | .00 | .00 | .40 | .00 | .00 | .00 | 1.05 |
| P35 0.00 | | 70 | S | B | 10,000 | .25 | 45 | .450 | .047 | .025 | 0 | .000 | .000 | .000 | .00 | .00 | .40 | .00 | .00 | .00 | 1.15 |
| P40 0.00 | PLATFORMS, AERIAL WORK | 20 | A | B | 8,000 | .20 | 50 | .500 | .052 | .028 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .81 | .65 | .90 | 0.80 |
| P45 0.00 | PUMPS, GROUT | 95 | A | B | 8,000 | .15 | 95 | .950 | .098 | .053 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .81 | .65 | .90 | 1.00 |
| P50 0.00 | PUMPS, WATER, CENTRIFUGAL, TRASH | 1 | | | | | | | | | | | | | | | | | | | |
| P50 0.10 | SKID MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| P50 0.11 | ENGINE DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .00 | .32 | .38 | .00 | .00 | .00 | 0.90 |
| P50 0.12 | ELECTRIC DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .45 | .00 | .00 | .00 | .00 | .00 | 0.50 |
| P50 0.20 | WHEEL MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| P50 0.21 | ENGINE DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .00 | .32 | .38 | .00 | .00 | .90 | 0.90 |
| P50 0.22 | ELECTRIC DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .45 | .00 | .00 | .00 | .00 | .90 | 0.50 |
| P55 0.00 | PUMPS, WATER, SUBMERSIBLE | 1 | | | | | | | | | | | | | | | | | | | |
| P55 0.01 | ENGINE DRIVE | 95 | A | B | 10,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .00 | .32 | .38 | .00 | .00 | .00 | 1.00 |
| P55 0.02 | ELECTRIC DRIVE | 95 | A | B | 10,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .45 | .00 | .00 | .00 | .00 | .00 | 0.60 |
| P60 0.00 | PUMPS, WATER,CENTRIF,DEWATERING | 1 | | | | | | | | | | | | | | | | | | | |
| P60 0.10 | SKID MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| P60 0.11 | ENGINE DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .00 | .32 | .38 | .00 | .00 | .00 | 0.90 |
| P60 0.12 | ELECTRIC DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .45 | .00 | .00 | .00 | .00 | .00 | 0.50 |
| P60 0.20 | WHEEL MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| P60 0.21 | ENGINE DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .00 | .32 | .38 | .00 | .00 | .90 | 0.90 |
| P60 0.22 | ELECTRIC DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .45 | .00 | .00 | .00 | .00 | .90 | 0.50 |
| P65 0.00 | PUMPS, WATER, DIAPHRAGM | 1 | | | | | | | | | | | | | | | | | | | |
| P65 0.10 | SKID MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| P65 0.11 | ENGINE DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .00 | .32 | .38 | .00 | .00 | .00 | 0.90 |
| P65 0.12 | ELECTRIC DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .45 | .00 | .00 | .00 | .00 | .00 | 0.50 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P65 0.20 | WHEEL MOUNTED | 1 | | | | | | | | | | | | | | | | | | | |
| P65 0.21 | ENGINE DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .00 | .32 | .38 | .00 | .00 | .90 | 0.80 |
| P65 0.22 | ELECTRIC DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .45 | .00 | .00 | .00 | .00 | .90 | 0.40 |
| P70 0.00 | PUMPS, WATER (FOR CORE DRILLS) | 1 | | | | | | | | | | | | | | | | | | | |
| P70 0.01 | ENGINE DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .00 | .32 | .38 | .00 | .00 | .00 | 0.80 |
| P70 0.02 | ELECTRIC DRIVE | 95 | A | B | 8,000 | .25 | 90 | .900 | .093 | .050 | 0 | .000 | .000 | .000 | .45 | .00 | .00 | .00 | .00 | .00 | 0.40 |
| R10 0.00 | RIPPERS & HYDRAULIC BANK SLOPERS | 70 | A | B | 8,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.90 |
| R10 0.00 | | 70 | S | B | 6,500 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 1.00 |
| R15 0.00 | ROLLERS, TOWED - PNEUMATIC | 55 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 65 | .650 | .067 | .036 | .00 | .24 | .24 | .76 | .60 | .84 | 0.70 |
| R20 0.00 | ROLLERS, TOWED - STEEL DRUM | 55 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 65 | .650 | .067 | .036 | .00 | .24 | .24 | .76 | .60 | .84 | 0.80 |
| R30 0.00 | ROLLERS, STATIC, SELF-PROPELLED | 1 | | | | | | | | | | | | | | | | | | | |
| R30 0.01 | PNEUMATIC | 55 | A | B | 8,000 | .20 | 65 | .650 | .067 | .036 | 65 | .650 | .067 | .036 | .00 | .24 | .24 | .76 | .60 | .84 | 0.70 |
| R30 0.02 | SMOOTH DRUM | 55 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 65 | .650 | .067 | .036 | .00 | .24 | .24 | .76 | .60 | .84 | 0.80 |
| R30 0.03 | TAMPING FOOT | 55 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 65 | .650 | .067 | .036 | .00 | .24 | .24 | .76 | .60 | .84 | 0.80 |
| R40 0.00 | ROLLERS, VIBRATORY, TOWED | 55 | A | B | 8,000 | .20 | 90 | .900 | .093 | .050 | 90 | .900 | .093 | .050 | .00 | .32 | .32 | .76 | .60 | .84 | 0.80 |
| R45 0.00 | ROLLERS, VIBRATORY, DOUBLE DRUM, | 55 | A | B | 8,000 | .20 | 90 | .900 | .093 | .050 | 90 | .900 | .093 | .050 | .00 | .32 | .32 | .76 | .60 | .84 | 1.10 |
| R50 0.00 | ROLLERS, VIBRATORY, SINGLE DRUM | 55 | A | B | 8,000 | .20 | 90 | .900 | .093 | .050 | 90 | .900 | .093 | .050 | .00 | .32 | .32 | .76 | .60 | .84 | 1.00 |
| R55 0.00 | ROOFING EQUIPMENT | 95 | A | B | 6,000 | .15 | 60 | .600 | .062 | .033 | 0 | .000 | .000 | .000 | .45 | .24 | .24 | .00 | .00 | .90 | 0.80 |
| S10 0.00 | SCRAPERS, ELEVATING | 1 | | | | | | | | | | | | | | | | | | | |
| S10 0.01 | 0 THRU 200 HP | 60 | A | B | 10,000 | .20 | 66 | .660 | .068 | .037 | 66 | .660 | .068 | .037 | .00 | .00 | .40 | .59 | .33 | .65 | 0.75 |
| S10 0.01 | | 60 | S | B | 8,000 | .20 | 86 | .860 | .089 | .048 | 86 | .860 | .089 | .048 | .00 | .00 | .40 | .39 | .19 | .43 | 0.80 |
| S10 0.02 | OVER 200 HP | 60 | A | B | 10,000 | .15 | 66 | .660 | .068 | .037 | 66 | .660 | .068 | .037 | .00 | .00 | .32 | .59 | .33 | .65 | 0.65 |
| S10 0.02 | | 60 | S | B | 8,000 | .15 | 86 | .860 | .089 | .048 | 86 | .860 | .089 | .048 | .00 | .00 | .32 | .39 | .19 | .43 | 0.70 |
| S15 0.00 | SCRAPERS, CONVENTIONAL | 60 | A | B | 10,000 | .15 | 60 | .600 | .062 | .033 | 60 | .600 | .062 | .033 | .00 | .00 | .32 | .59 | .33 | .65 | 0.65 |
| S15 0.00 | | 60 | S | B | 8,000 | .15 | 78 | .780 | .081 | .043 | 78 | .780 | .081 | .043 | .00 | .00 | .32 | .39 | .19 | .43 | 0.70 |
| S20 0.00 | SCRAPERS, TANDEM POWERED | 60 | A | B | 10,000 | .15 | 62 | .620 | .064 | .035 | 62 | .620 | .064 | .035 | .00 | .00 | .26 | .59 | .33 | .65 | 0.65 |
| S20 0.00 | | 60 | S | B | 8,000 | .15 | 81 | .810 | .084 | .045 | 81 | .810 | .084 | .045 | .00 | .00 | .26 | .39 | .19 | .43 | 0.70 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S25 0.00 | SCRAPERS, TRACTOR DRAWN | 60 | A | B | 12,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .65 | .00 | .72 | 0.70 |
| S25 0.00 | | 60 | S | B | 10,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .50 | .00 | .55 | 0.75 |
| S30 0.00 | SCREENING & CRUSHING PLANTS | 1 | | | | | | | | | | | | | | | | | | | |
| S30 0.10 | CONVEYORS | 95 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .60 | .60 | .84 | 0.70 |
| S30 0.20 | CRUSHERS | 95 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .60 | .60 | .84 | 1.00 |
| S30 0.30 | SCREENING PLANT | 95 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .60 | .60 | .84 | 0.80 |
| S35 0.00 | SNOW REMOVAL EQUIPMENT | 95 | A | B | 8,000 | .20 | 66 | .660 | .068 | .037 | 0 | .000 | .000 | .000 | .00 | .00 | .28 | .59 | .33 | .65 | 0.80 |
| S40 0.00 | SOIL STABILIZERS | 60 | A | B | 10,000 | .20 | 66 | .660 | .068 | .037 | 66 | .660 | .068 | .037 | .00 | .00 | .28 | .59 | .33 | .65 | 0.85 |
| S40 0.00 | | 60 | S | B | 8,000 | .20 | 86 | .860 | .089 | .048 | 86 | .860 | .089 | .048 | .00 | .00 | .28 | .39 | .19 | .43 | 0.95 |
| S45 0.00 | SPLITTERS, ROCK & CONCRETE | 95 | A | B | 6,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .32 | .00 | .00 | .00 | 1.00 |
| T10 0.00 | TRACTOR BLADES & ATTACHMENTS | 70 | A | B | 10,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.80 |
| T10 0.00 | | 70 | S | B | 8,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.90 |
| T15 0.00 | TRACTORS, CRAWLER (DOZER) | 1 | | | | | | | | | | | | | | | | | | | |
| T15 0.00 | (PER UNIT FOR TANDEM TRACTORS) | 1 | B | | | | | | | | | | | | | | | | | | |
| T15 0.01 | 0 THRU 225 HP | 70 | A | B | 10,000 | .25 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .00 | .00 | .36 | .00 | .00 | .00 | 1.20 |
| T15 0.01 | | 70 | S | B | 8,000 | .25 | 91 | .910 | .094 | .051 | 0 | .000 | .000 | .000 | .00 | .00 | .36 | .00 | .00 | .00 | 1.30 |
| T15 0.02 | 226 HP THRU 425 HP | 70 | A | B | 10,000 | .20 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .00 | .00 | .28 | .00 | .00 | .00 | 1.00 |
| T15 0.02 | | 70 | S | B | 8,000 | .20 | 91 | .910 | .094 | .051 | 0 | .000 | .000 | .000 | .00 | .00 | .28 | .00 | .00 | .00 | 1.10 |
| T15 0.03 | OVER 425 HP | 70 | A | B | 12,000 | .15 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .00 | .00 | .24 | .00 | .00 | .00 | 1.10 |
| T15 0.03 | | 70 | S | B | 10,000 | .15 | 91 | .910 | .094 | .051 | 0 | .000 | .000 | .000 | .00 | .00 | .24 | .00 | .00 | .00 | 1.20 |
| T20 0.00 | TRACTORS, WHEEL TYPE (DOZER) | 75 | A | B | 10,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .28 | .73 | .44 | .00 | 0.60 |
| T20 0.00 | | 75 | S | B | 8,000 | .15 | 65 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .24 | .28 | .38 | .21 | .00 | 0.65 |
| T25 0.00 | TRACTORS, WHEEL TYPE (FARM) | 75 | A | B | 8,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .28 | .73 | .44 | .00 | 0.70 |
| T30 0.00 | TRENCHERS, CHAIN | 80 | A | B | 8,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .28 | .28 | .91 | .68 | .00 | 0.90 |
| T30 0.00 | | 80 | S | B | 6,500 | .20 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .28 | .28 | .77 | .48 | .00 | 1.00 |
| T35 0.00 | TRENCHERS, WHEEL TYPE | 80 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .28 | .28 | .91 | .68 | .00 | 0.90 |
| T35 0.00 | | 80 | S | B | 8,000 | .20 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .28 | .28 | .77 | .48 | .00 | 1.00 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T40 0.00 | TRUCK OPTIONS, (ADD TRUCK) | 1 | | | | | | | | | | | | | | | | | | | |
| T40 0.10 | CRANES, HYDRAULIC | 95 | A | B | 8,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .32 | .00 | .00 | .00 | 0.80 |
| T40 0.20 | DUMP BODY, REAR | 95 | A | B | 8,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.70 |
| T40 0.20 | | 95 | S | B | 6,500 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.80 |
| T40 0.30 | FLATBEDS, W/ CONT. SIDES | 95 | A | B | 8,000 | .20 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .00 | 0.60 |
| T40 0.40 | HOIST | 1 | | | | | | | | | | | | | | | | | | | |
| T40 0.41 | ELECTRIC DRIVE | 95 | A | B | 8,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .32 | .00 | .00 | .00 | 0.70 |
| T40 0.50 | TRANSIT MIXERS | 95 | A | B | 8,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .32 | .00 | .00 | .00 | 0.70 |
| T40 0.60 | WATER TANKS | 95 | A | B | 8,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .32 | .00 | .00 | .00 | 0.60 |
| T40 0.70 | ALL OTHER OPTIONS | 95 | A | B | 8,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .45 | .32 | .32 | .56 | .40 | .62 | 0.70 |
| T45 0.00 | TRUCK TRAILERS, | 1 | | | | | | | | | | | | | | | | | | | |
| T45 0.10 | BOTTOM DUMP | 95 | A | B | 10,000 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .65 | 0.70 |
| T45 0.10 | | 95 | S | B | 8,000 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .54 | 0.80 |
| T45 0.20 | END DUMP | 95 | A | B | 10,000 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .65 | 0.65 |
| T45 0.20 | | 95 | S | B | 8,000 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .54 | 0.75 |
| T45 0.30 | PUP TRAILER | 95 | A | B | 8,000 | .15 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .65 | 0.60 |
| T45 0.40 | LOWBOY (EQUIPMENT HAULING) | 1 | | | | | | | | | | | | | | | | | | | |
| T45 0.41 | RIGID NECK, DROP DECK | 95 | A | B | 10,000 | .30 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .65 | 0.50 |
| T45 0.50 | PLATFORM TRAILER | 95 | A | B | 10,000 | .30 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .65 | 0.50 |
| T45 0.60 | TILT TRAILER | 95 | A | B | 10,000 | .30 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .65 | 0.50 |
| T45 0.70 | WATER TANKER TRAILER | 95 | A | B | 10,000 | .30 | 65 | .000 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .28 | .24 | .00 | .00 | .65 | 0.60 |
| T45 0.80 | DECONTAMINATION FACILITY | 95 | A | B | 8,000 | .30 | 0 | .000 | .000 | .000 | 0 | .000 | .000 | .000 | .00 | .00 | .00 | .00 | .00 | .65 | 0.70 |
| T45 0.90 | TANK TRAILERS | 95 | A | B | 10,000 | .30 | 65 | .000 | .670 | .036 | 0 | .000 | .000 | .000 | .00 | .28 | .24 | .00 | .00 | .65 | 0.70 |
| T50 0.00 | TRUCKS, HIGHWAY | 1 | | | | | | | | | | | | | | | | | | | |
| T50 0.01 | 0 THRU 10,000 GVW | 85 | A | S | 7,000 | .25 | 15 | .150 | .016 | .008 | 0 | .000 | .000 | .000 | .00 | .28 | .24 | .41 | .29 | .00 | 0.70 |
| T50 0.01 | | 85 | S | S | 5,500 | .25 | 20 | .200 | .021 | .011 | 0 | .000 | .000 | .000 | .00 | .28 | .24 | .36 | .22 | .00 | 0.75 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T50 0.02 | OVER 10,000 THRU 30,000 GVW | 85 | A | S | 8,000 | .25 | 35 | .350 | .036 | .020 | 0 | .000 | .000 | .000 | .00 | .30 | .26 | .49 | .39 | .00 | 0.65 |
| T50 0.02 | | 85 | S | S | 6,500 | .25 | 46 | .460 | .048 | .026 | 0 | .000 | .000 | .000 | .00 | .30 | .26 | .42 | .30 | .00 | 0.70 |
| T50 0.03 | OVER 30,000 GVW | 85 | A | S | 8,000 | .20 | 50 | .500 | .052 | .028 | 0 | .000 | .000 | .000 | .00 | .32 | .28 | .51 | .38 | .57 | 0.65 |
| T50 0.03 | | 85 | S | S | 6,500 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .32 | .28 | .43 | .29 | .48 | 0.75 |
| T55 0.00 | TRUCKS, OFF-HIGHWAY | 90 | A | B | 12,000 | .15 | 40 | .400 | .041 | .022 | 0 | .000 | .000 | .000 | .00 | .00 | .34 | .59 | .36 | .65 | 0.60 |
| T55 0.00 | | 90 | S | B | 10,000 | .15 | 52 | .520 | .054 | .029 | 0 | .000 | .000 | .000 | .00 | .00 | .34 | .39 | .21 | .43 | 0.70 |
| T57 0.00 | TRUCKS, VACUUM | 95 | A | B | 10,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .28 | .81 | .65 | .90 | 0.80 |
| T60 0.00 | TRUCKS, WATER, OFF-HIGHWAY | 90 | A | B | 12,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .32 | .73 | .55 | .81 | 0.70 |
| T60 0.00 | | 90 | S | B | 10,000 | .20 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .24 | .32 | .56 | .40 | .62 | 0.80 |
| T65 0.00 | TUNNEL/MINING EQUIPMENT | 1 | | | | | | | | | | | | | | | | | | | |
| T65 0.10 | DRIFTING & TUNNELING DRILLS | 25 | A | B | 14,000 | .15 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .50 | .32 | .28 | .67 | .57 | .00 | 0.90 |
| T65 0.20 | TUNNEL BORING MACHINES | 95 | A | B | 22,000 | .15 | 70 | .700 | .000 | .000 | 0 | .000 | .000 | .000 | .50 | .00 | .00 | .00 | .00 | .00 | 0.70 |
| T65 0.20 | | 95 | S | B | 20,000 | .15 | 91 | .910 | .000 | .000 | 0 | .000 | .000 | .000 | .50 | .00 | .00 | .00 | .00 | .00 | 0.80 |
| T65 0.30 | PRODUCTION DRILLING RIGS | 25 | A | B | 12,000 | .15 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .50 | .32 | .28 | .67 | .57 | .00 | 0.90 |
| T65 0.40 | ROADHEADERS & CONTINUOUS MINERS | 95 | A | B | 16,000 | .15 | 70 | .700 | .000 | .000 | 0 | .000 | .000 | .000 | .50 | .00 | .00 | .00 | .00 | .00 | 0.90 |
| T65 0.40 | | 95 | S | B | 14,000 | .15 | 91 | .910 | .000 | .000 | 0 | .000 | .000 | .000 | .50 | .00 | .00 | .00 | .00 | .00 | 1.00 |
| T65 0.50 | ROCK BOLTING EQUIPMENT | 95 | A | B | 10,000 | .20 | 80 | .800 | .083 | .045 | 10 | .100 | .010 | .006 | .50 | .32 | .28 | .67 | .57 | .00 | 0.80 |
| T65 0.60 | LOADING & HAULING EQUIPMENT | 1 | | | | | | | | | | | | | | | | | | | |
| T65 0.61 | DIESEL OR GASOLINE | 95 | A | B | 12,000 | .20 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .00 | .32 | .30 | .70 | .42 | .00 | 0.75 |
| T65 0.62 | ELECTRIC | 95 | A | B | 14,000 | .20 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .45 | .24 | .24 | .70 | .42 | .00 | 0.70 |
| T65 0.63 | AIR-POWERED | 95 | A | B | 10,000 | .25 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .45 | .32 | .28 | .70 | .42 | .00 | 0.65 |
| T65 0.70 | LOCOMOTIVES | 95 | A | B | 12,000 | .20 | 70 | .700 | .072 | .039 | 0 | .000 | .000 | .000 | .45 | .00 | .00 | .00 | .00 | .00 | 0.75 |
| T65 0.90 | OTHER TUNNELING EQUIPMENT | 95 | A | B | 10,000 | .20 | 70 | .700 | .072 | .039 | 13 | .130 | .013 | .007 | .45 | .32 | .30 | .70 | .42 | .00 | 0.80 |
| W10 0.00 | WAGONS, BOTTOM DUMP | 90 | A | B | 12,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .32 | .59 | .39 | .65 | 0.65 |
| W10 0.00 | | 90 | S | B | 10,000 | .15 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .24 | .32 | .39 | .22 | .43 | 0.75 |
| W15 0.00 | WAGONS, REAR DUMP | 90 | A | B | 12,000 | .15 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .32 | .59 | .39 | .65 | 0.60 |
| W15 0.00 | | 90 | S | B | 10,000 | .15 | 85 | .850 | .088 | .047 | 0 | .000 | .000 | .000 | .00 | .24 | .32 | .39 | .22 | .43 | 0.70 |

## APPENDIX D. EQUIPMENT HOURLY EXPENSE CALCULATION FACTORS (Continued)

| CATEGORY SUB | TYPE OF EQUIPMENT | EK | C | DC | LIFE | SLV | HPF | FUEL FACTOR EQUIPMENT E | G | D | HPF | FUEL FACTOR CARRIER E | G | D | FOG E | G | D | TIRE WEAR FACTORS FT | DT | TT | RPR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W25 0.00 | WATER & CO2 BLASTERS | 1 | | | | | | | | | | | | | | | | | | | |
| W25 0.10 | LOW PRESSURE, ( < 5,000 PSI) | 95 | A | B | 4,000 | .20 | 95 | .950 | .098 | .053 | 0 | .000 | .000 | .000 | .40 | .24 | .28 | .77 | .73 | .90 | 1.10 |
| W25 0.20 | HIGH PRESSURE, (>= 5,000 PSI) | 95 | A | B | 6,000 | .20 | 95 | .950 | .098 | .053 | 0 | .000 | .000 | .000 | .40 | .24 | .28 | .77 | .73 | .90 | 1.20 |
| W25 0.30 | STEAM CLEANERS | 95 | A | B | 4,000 | .20 | 95 | .950 | .098 | .053 | 0 | .000 | .000 | .000 | .40 | .24 | .28 | .77 | .73 | .90 | 1.10 |
| W25 0.40 | CO2 BLASTERS | 95 | A | B | 8,000 | .20 | 70 | .700 | .000 | .000 | 0 | .000 | .000 | .000 | .50 | .00 | .00 | .77 | .73 | .90 | 1.00 |
| W30 0.00 | WATER TANKS | 1 | | | | | | | | | | | | | | | | | | | |
| W30 0.10 | PORTABLE W/ WHEELS | 90 | A | B | 12,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .28 | .77 | .73 | .90 | 0.60 |
| W30 0.20 | SKID MOUNTED | 90 | A | B | 12,000 | .20 | 65 | .650 | .067 | .036 | 0 | .000 | .000 | .000 | .00 | .24 | .28 | .00 | .00 | .90 | 0.50 |
| W35 0.00 | WELDERS | 1 | | | | | | | | | | | | | | | | | | | |
| W35 0.10 | GASOLINE or DIESEL DRIVE | 95 | A | B | 8,000 | .30 | 80 | .800 | .083 | .045 | 0 | .000 | .000 | .000 | .00 | .24 | .24 | .00 | .00 | .90 | 0.75 |
| W35 0.20 | ELECTRICAL | 1 | | | | | | | | | | | | | | | | | | | |
| W35 0.21 | ELECTRIC DRIVE | 95 | A | B | 6,000 | .25 | 60 | .600 | .062 | .033 | 0 | .000 | .000 | .000 | .40 | .00 | .00 | .00 | .00 | .90 | 0.50 |
| W35 0.22 | MIG | 95 | A | B | 6,000 | .25 | 60 | .600 | .062 | .033 | 0 | .000 | .000 | .000 | .40 | .00 | .00 | .00 | .00 | .90 | 0.50 |
| W35 0.23 | RECTIFIER | 95 | A | B | 6,000 | .25 | 60 | .600 | .062 | .033 | 0 | .000 | .000 | .000 | .40 | .00 | .00 | .00 | .00 | .90 | 0.50 |
| W35 0.24 | TRANSFORMER | 95 | A | B | 6,000 | .25 | 60 | .600 | .062 | .033 | 0 | .000 | .000 | .000 | .40 | .00 | .00 | .00 | .00 | .90 | 0.50 |

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## APPENDIX E

## ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT

*1967 = 1000*

| EK | EQUIPMENT DIVISIONS | 1993 | 1992 | 1991 | 1990 | 1989 | 1988 | 1987 | 1986 | 1985 | 1984 | 1983 | 1982 | 1981 | 1980 | 1979 | 1978 | 1977 | 1976 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | AGE | IN | YEARS | | | | | | | | |
| | | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 5 | Air Equipment | 2042 | 2002 | 1963 | 1956 | 1898 | 1801 | 1730 | 1720 | 1733 | 1683 | 1695 | 1668 | 1563 | 1630 | 1521 | 1354 | 1295 | 1186 |
| 10 | Asphalt & Concrete Paving Equipment | 3301 | 3202 | 3106 | 2967 | 2867 | 2793 | 2730 | 2687 | 2687 | 2611 | 2583 | 2620 | 2461 | 2296 | 2111 | 1941 | 1815 | 1686 |
| 15 | Buckets | 6420 | 6155 | 5901 | 5640 | 5314 | 4872 | 4767 | 4713 | 4640 | 4527 | 4471 | 4541 | 4313 | 3879 | 3280 | 2963 | 2738 | 2520 |
| 20 | Cranes, Draglines & Clamshells - Crawler & Truck Mounted | 4921 | 4599 | 4298 | 4152 | 3967 | 3688 | 3595 | 3485 | 3395 | 3339 | 3282 | 3213 | 3009 | 2782 | 2512 | 2301 | 2138 | 2010 |
| 25 | Drills | 3362 | 3261 | 3163 | 3069 | 2969 | 2807 | 2792 | 2786 | 2832 | 2803 | 2836 | 2810 | 2602 | 2265 | 1993 | 1858 | 1699 | 1638 |
| 30 | Generators | 4445 | 4311 | 4181 | 4116 | 3998 | 3773 | 3575 | 3514 | 3510 | 3400 | 3314 | 3236 | 3160 | 2817 | 2390 | 2301 | 2128 | 2053 |
| 35 | Graders, Motor | 4793 | 4649 | 4509 | 4359 | 4219 | 4010 | 3914 | 3759 | 3738 | 3645 | 3643 | 3561 | 3276 | 2992 | 2687 | 2492 | 2259 | 2109 |
| 40 | Loaders, Track | 5019 | 4845 | 4677 | 4555 | 4404 | 4163 | 3918 | 3770 | 3767 | 3791 | 3792 | 3655 | 3349 | 3061 | 2750 | 2482 | 2247 | 2053 |
| 45 | Loaders, Wheel | 4846 | 4742 | 4640 | 4532 | 4409 | 4235 | 4099 | 3991 | 3973 | 3944 | 3873 | 3788 | 3441 | 2938 | 2606 | 2375 | 2156 | 2002 |
| 50 | Pile Driving Equipment | 4391 | 4348 | 4305 | 4182 | 4029 | 3845 | 3745 | 3668 | 3626 | 3570 | 3519 | 3439 | 3208 | 2894 | 2562 | 2329 | 2135 | 1989 |
| 55 | Rollers | 4952 | 4808 | 4668 | 4630 | 4507 | 4412 | 4217 | 4151 | 4090 | 3926 | 3744 | 3431 | 3199 | 2913 | 2653 | 2396 | 2139 | 1983 |
| 60 | Scrapers and Soil Stabilizers | 4793 | 4649 | 4509 | 4359 | 4219 | 4010 | 3914 | 3759 | 3738 | 3645 | 3643 | 3561 | 3276 | 2992 | 2687 | 2492 | 2259 | 2109 |
| 65 | Shovels, Backhoes & Hydraulic Excavators | 4568 | 4431 | 4298 | 4152 | 3967 | 3688 | 3595 | 3485 | 3395 | 3339 | 3282 | 3213 | 3009 | 2782 | 2512 | 2301 | 2138 | 2010 |
| 70 | Tractors, Crawlers Attachments | 5019 | 4845 | 4677 | 4555 | 4404 | 4163 | 3918 | 3770 | 3767 | 3791 | 3792 | 3655 | 3349 | 3061 | 2750 | 2482 | 2247 | 2053 |
| 75 | Tractor, Wheel | 4372 | 4278 | 4186 | 4123 | 4018 | 3936 | 3862 | 3820 | 3818 | 3656 | 3557 | 3530 | 3256 | 2927 | 2578 | 2319 | 2125 | 1956 |
| 80 | Trenchers | 5259 | 5101 | 4948 | 4886 | 4753 | 4679 | 4600 | 4586 | 4488 | 4431 | 4360 | 4097 | 3618 | 3153 | 2772 | 2580 | 2300 | 1894 |
| 85 | Trucks, Highway | 3900 | 3783 | 3669 | 3546 | 3495 | 3363 | 3299 | 3282 | 3139 | 3055 | 2934 | 2824 | 2638 | 2324 | 2108 | 1934 | 1775 | 1646 |
| 90 | Trucks & Wagons Off-Highway | 5037 | 4886 | 4739 | 4617 | 4405 | 4094 | 3915 | 3840 | 3822 | 3786 | 3744 | 3662 | 3363 | 2964 | 2588 | 2364 | 2196 | 2081 |
| 95 | All Other Equip. | 4576 | 4438 | 4305 | 4182 | 4029 | 3845 | 3745 | 3668 | 3626 | 3570 | 3519 | 3439 | 3208 | 2894 | 2562 | 2329 | 2135 | 1989 |
| 100 | All Tires & Tubes | 2664 | 2584 | 2506 | 2470 | 2480 | 2399 | 2322 | 2340 | 2374 | 2421 | 2453 | 2552 | 2506 | 2369 | 2055 | 1792 | 1699 | 1615 |
| 105 | Marine Equipment | 4718 | 4576 | 4438 | 4271 | 4091 | 3920 | 3886 | 3863 | 3749 | 3633 | 3497 | 3391 | 3239 | 2922 | 2587 | 2352 | 2156 | 2008 |

***EK = ECONOMIC KEY***

## APPENDIX E. ECONOMIC INDEXES FOR CONSTRUCTION EQUIPMENT (Continued)

*1967 = 1000*

| EK | EQUIPMENT DIVISIONS | 1975 | 1074 | 1973 | 1972 | 1971 | 1970 | 1969 | 1968 | 1967 | 1966 | 1965 | 1964 | 1963 | 1962 | 1961 | 1960 | 1959 | 1958 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | AGE | IN | YEARS | | | | | | | | |
| | | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 |
| 5 | Air Equipment | 1165 | 1028 | 935 | 920 | 929 | 936 | 918 | 970 | 1000 | 992 | 954 | 872 | 853 | 843 | 846 | 781 | 775 | 743 |
| 10 | Asphalt & Concrete Paving Equipment | 1610 | 1451 | 1304 | 1263 | 1235 | 1163 | 1091 | 1044 | 1000 | 963 | 931 | 905 | 872 | 858 | 844 | 830 | 812 | 777 |
| 15 | Buckets | 2175 | 1838 | 1430 | 1370 | 1316 | 1188 | 1062 | 1025 | 1000 | 1000 | 1003 | 978 | 971 | 953 | 950 | 950 | 960 | 1020 |
| 20 | Cranes, Draglines & Clamshells - Crawler & Truck Mounted | 1843 | 1522 | 1305 | 1260 | 1212 | 1147 | 1090 | 1049 | 1000 | 967 | 930 | 914 | 890 | 868 | 862 | 859 | 841 | 817 |
| 25 | Drills | 1559 | 1373 | 1249 | 1184 | 1160 | 1115 | 1052 | 1037 | 1000 | 993 | 971 | 914 | 904 | 904 | 901 | 852 | 851 | 798 |
| 30 | Generators | 1839 | 1456 | 1316 | 1293 | 1243 | 1188 | 1089 | 1029 | 1000 | 947 | 924 | 916 | 901 | 892 | 932 | 1007 | 1007 | 987 |
| 35 | Graders, Motor | 1956 | 1604 | 1361 | 1244 | 1208 | 1152 | 1101 | 1053 | 1000 | 975 | 951 | 923 | 903 | 877 | 869 | 872 | 866 | 829 |
| 40 | Loaders, Track | 1916 | 1573 | 1329 | 1219 | 1184 | 1135 | 1100 | 1079 | 1000 | 956 | 936 | 914 | 882 | 861 | 857 | 840 | 817 | 786 |
| 45 | Loaders, Wheel | 1907 | 1584 | 1362 | 1317 | 1261 | 1197 | 1144 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 50 | Pile Driving Equipment | 1852 | 1523 | 1307 | 1257 | 1218 | 1159 | 1104 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 55 | Rollers | 1872 | 1556 | 1328 | 1279 | 1230 | 1178 | 1082 | 1049 | 1000 | 962 | 936 | 908 | 903 | 900 | 885 | 874 | 819 | 749 |
| 60 | Scrapers and Soil Stabilizers | 1956 | 1604 | 1361 | 1244 | 1208 | 1152 | 1101 | 1053 | 1000 | 975 | 951 | 923 | 903 | 877 | 869 | 872 | 866 | 829 |
| 65 | Shovels, Backhoes & Hydraulic Excavators | 1843 | 1522 | 1305 | 1260 | 1212 | 1147 | 1090 | 1049 | 1000 | 967 | 930 | 914 | 890 | 868 | 862 | 859 | 841 | 817 |
| 70 | Tractors, Crawlers Attachments | 1916 | 1573 | 1329 | 1219 | 1184 | 1135 | 1100 | 1079 | 1000 | 956 | 936 | 914 | 882 | 861 | 857 | 840 | 817 | 786 |
| 75 | Tractor, Wheel | 1843 | 1498 | 1288 | 1251 | 1211 | 1152 | 1109 | 1050 | 1000 | 962 | 927 | 902 | 875 | 858 | 858 | 852 | 842 | 825 |
| 80 | Trenchers | 1633 | 1527 | 1384 | 1316 | 1284 | 1207 | 1113 | 1051 | 1000 | 990 | 961 | 950 | 919 | 915 | 902 | 888 | 859 | 833 |
| 85 | Trucks, Highway | 1524 | 1369 | 1230 | 1211 | 1185 | 1114 | 1062 | 1033 | 1000 | 980 | 975 | 965 | 967 | 975 | 981 | 981 | 1006 | 986 |
| 90 | Trucks & Wagons Off-Highway | 1965 | 1568 | 1315 | 1293 | 1245 | 1190 | 1135 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 95 | All Other Equip. | 1852 | 1523 | 307 | 1257 | 1218 | 1159 | 1104 | 1057 | 1000 | 965 | 936 | 912 | 890 | 875 | 873 | 859 | 841 | 812 |
| 100 | All Tires & Tubes | 1485 | 1334 | 1114 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 105 | Marine Equipment | 1870 | 1538 | 1320 | 1269 | 1230 | 1170 | 1115 | 1067 | 1000 | 974 | 945 | 921 | 899 | 883 | 881 | 867 | 849 | 820 |

***EK = ECONOMIC KEY***

# APPENDIX F
# TIRE DESCRIPTION AND TIRE COST

The current tire description and tire costs used to develop the rates in the TABLE 2-1 are tabulated on the following pages. These tire prices include allowances for contractor's discount, sales tax, excise tax, and tire tubes where applicable. This data is provided to give the user reasonable estimated values for the tires used in conjunction with rate development in this pamphlet. Belts for loaders are also included, these belts are sized by width (inches) x length (feet) and ply rating.

The prices in this appendix are based on 1992 price level.

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PERMAFOAM ..... 18

# APPENDIX F

## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| **TIRE GROUP = LT TRUCK** | | | | | |
| RIB HI-MILER | | | | | |
| (ABAA1) | 650-15 | 6.50 x 16.00 | 6 | TT | 69 |
| (ABAA2) | 670-15 | 6.70 x 15.00 | 6 | TT | 64 |
| (ABAA3) | 700-15 | 7.00 x 15.00 | 6 | TL | 69 |
| TRACKER LT BLACK | | | | | |
| (ABAB8) | 700-14 | 7.00 x 14.00 | 6 | TL | 78 |
| (ABAB9) | 700-14 | 7.00 x 14.00 | 8 | TL | 80 |
| (ABAB1) | 700-15 | 7.00 x 15.00 | 6 | TL | 91 |
| (ABAB2) | G78-15 | 7.80 x 15.00 | 6 | TL | 95 |
| (ABAB3) | H78-15 | 7.80 x 15.00 | 6 | TL | 98 |
| (ABAB4) | L78-15 | 7.80 x 15.00 | 6 | TL | 102 |
| (ABAB10) | 800-165 | 8.00 x 16.50 | 8 | TL | 109 |
| (ABAB5) | 875-165 | 8.75 x 16.50 | 8 | TL | 117 |
| (ABAB6) | 875-165 | 8.75 x 16.50 | 10 | TL | 129 |
| (ABAB7) | 950-165 | 9.50 x 16.50 | 8 | TL | 127 |
| (ABAB11) | 950-165 | 9.50 x 16.50 | 10 | TL | 139 |
| SUPER HI-MILER | | | | | |
| (ABAC25) | 650-16 | 6.50 x 16.00 | 6 | TL | 111 |
| (ABAC23) | 670-15 | 6.70 x 15.00 | 6 | TL | 104 |
| (ABAC24) | 700-15 | 7.00 x 15.00 | 6 | TL | 110 |
| (ABAC8) | 700-15 | 7.00 x 15.00 | 8 | TL | 117 |
| (ABAC9) | 750-15 | 7.50 x 15.00 | 8 | TT | 75 |
| (ABAC10) | 750-16 | 7.50 x 16.00 | 8 | TT | 132 |
| (ABAC26) | 750-16 | 7.50 x 16.00 | 8 | TL | 125 |
| (ABAC27) | 750-16 | 7.50 x 16.00 | 10 | TL | 142 |
| (ABAC11) | 750-20 | 7.50 x 20.00 | 10 | TT | 135 |
| (ABAC28) | 800-195 | 8.00 x 19.50 | 8 | TL | 184 |
| (ABAC12) | 825-20 | 8.25 x 20.00 | 10 | TT | 215 |
| (ABAC13) | 825-20 | 8.25 x 20.00 | 12 | TT | 280 |
| (ABAC14) | 900-20 | 9.00 x 20.00 | 10 | TT | 247 |
| (ABAC15) | 900-20 | 9.00 x 20.00 | 12 | TT | 302 |
| (ABAC16) | 1000-20 | 10.00 x 20.00 | 12 | TT | 311 |
| (ABAC17) | 1000-20 | 10.00 x 20.00 | 14 | TT | 380 |
| (ABAC18) | 1000-20 | 10.00 x 22.00 | 12 | TT | 345 |
| (ABAC19) | 1100-20 | 11.00 x 20.00 | 12 | TT | 375 |
| (ABAC20) | 1100-20 | 11.00 x 20.00 | 14 | TT | 423 |
| (ABAC21) | 1100-22 | 11.00 x 22.00 | 14 | TT | 345 |
| (ABAC22) | 1100-22 | 11.00 x 22.00 | 14 | TT | 441 |
| CUSTOM HI-MILER | | | | | |
| (ABAD1) | 1100-20 | 11.00 x 20.00 | 14 | TL | 302 |
| (ABAD2) | 12-165 | 12.00 x 16.50 | 10 | TT | 223 |
| (ABAD3) | 1200-20 | 12.00 x 20.00 | 14 | TT | 549 |
| (ABAD4) | 1200-20 | 12.00 x 20.00 | 16 | TT | 603 |
| (ABAD5) | 14-175 | 14.00 x 17.50 | 10 | TL | 479 |
| (ABAD6) | 1400-20 | 14.00 x 20.00 | 18 | TT | 795 |
| RIB HI-MILER LP TRAILER | | | | | |
| (ABAE1) | 690-15 | 6.90 x 15.00 | 8 | TT | 137 |
| (ABAE2) | 750-15 | 7.50 x 15.00 | 12 | TT | 174 |
| (ABAE3) | 825-15 | 8.25 x 15.00 | 12 | TT | 180 |
| (ABAE4) | 825-15 | 8.25 x 15.00 | 14 | TT | 261 |
| (ABAE5) | 900-15 | 9.00 x 15.00 | 12 | TT | 208 |

[1] **TT = Tube-Type Tires, TL = Tubeless Tires**

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| (ABAE6) | 1000-15 | 10.00 x 15.00 | 12 | TT | 283 |
| (ABAE7) | 1000-15 | 10.00 x 15.00 | 14 | TT | 261 |
| CUSTOM HI-MILER SUPER SINGLE | | | | | |
| (ABAH5) | 12-165 | 12.00 x 16.50 | 10 | TL | 226 |
| (ABAH6) | 12-165 | 12.00 x 16.50 | 12 | TL | 254 |
| (ABAH7) | 14-175 | 14.00 x 17.50 | 10 | TL | 489 |
| (ABAH1) | 15-225 | 15.00 x 22.50 | 16 | TL | 634 |
| (ABAH2) | 165-225 | 16.50 x 22.50 | 16 | TL | 712 |
| (ABAH3) | 18-225 | 18.00 x 22.50 | 16 | TL | 672 |
| (ABAH4) | 18-225 | 18.00 x 22.50 | 18 | TL | 743 |
| TRACKER LT II | | | | | |
| (ABCG1) | 700-15 | 7.00 x 15.00 | 6 | TL | 71 |
| (ABCG2) | 700-15 | 7.00 x 15.00 | 8 | TL | 75 |
| **TIRE GROUP = COMMERCIAL - OVER THE ROAD** | | | | | |
| SUPER HI-MILER | | | | | |
| (ACAC1) | 750-20 | 7.50 x 20.00 | 10 | TT | 143 |
| (ACAC2) | 825-20 | 8.25 x 20.00 | 10 | TT | 165 |
| (ACAC3) | 825-20 | 8.25 x 20.00 | 12 | TT | 188 |
| (ACAC4) | 900-20 | 9.00 x 20.00 | 10 | TT | 198 |
| (ACAC5) | 900-20 | 9.00 x 20.00 | 12 | TT | 219 |
| (ACAC6) | 1000-20 | 10.00 x 20.00 | 12 | TT | 247 |
| (ACAC7) | 1000-20 | 10.00 x 20.00 | 14 | TT | 286 |
| (ACAC10) | 1000-22 | 10.00 x 22.00 | 12 | TT | 280 |
| (ACAC12) | 1000-225 | 10.00 x 22.50 | 10 | TL | 200 |
| (ACAC8) | 1100-20 | 11.00 x 20.00 | 12 | TT | 287 |
| (ACAC9) | 1100-20 | 11.00 x 20.00 | 14 | TT | 343 |
| (ACAC11) | 1100-22 | 11.00 x 22.00 | 14 | TT | 373 |
| (ACAC13) | 1100-225 | 11.00 x 22.50 | 12 | TL | 270 |
| (ACAC14) | 1100-245 | 11.00 x 24.50 | 12 | TL | 285 |
| CUSTOM HI-MILER | | | | | |
| (ACAD1) | 1200-20 | 12.00 x 20.00 | 14 | TT | 449 |
| (ACAD2) | 1200-20 | 12.00 x 20.00 | 16 | TT | 522 |
| (ACAD3) | 1400-20 | 14.00 x 20.00 | 18 | TT | 656 |
| (ACAD4) | 1400-24 | 14.00 x 24.00 | 20 | TT | 814 |
| (ACAD5) | 1500-225 | 15.00 x 22.50 | 16 | TL | 560 |
| (ACAD6) | 1650-225 | 16.50 x 22.50 | 16 | TL | 623 |
| (ACAD7) | 1800-195 | 18.00 x 19.50 | 18 | TL | 739 |
| SRL 1 | | | | | |
| (ACAF6) | 900-20 | 9.00 x 20.00 | 20 | TT | 310 |
| (ACAF1) | 1000-20 | 10.00 x 20.00 | 12 | TT | 364 |
| (ACAF7) | 1000-20 | 10.00 x 20.00 | 20 | TT | 406 |
| (ACAF2) | 1120-14 | 11.00 x 20.00 | 14 | TT | 324 |
| (ACAF8) | 1100-22 | 11.00 x 22.00 | 22 | TT | 469 |
| (ACAF3) | 1400-20 | 14.00 x 20.00 | 18 | TT | 830 |
| (ACAF5) | 1400-24 | 14.00 x 24.00 | 20 | TT | 953 |
| CUSTOM CROSS RIB HI-MILER | | | | | |
| (ACAG1) | 900-20 | 9.00 x 20.00 | 10 | TT | 233 |
| (ACAG2) | 1000-20 | 10.00 x 20.00 | 12 | TT | 287 |

[1] **TT = Tube-Type Tires, TL = Tubeless Tires**

# APPENDIX F

## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| (ACAG3) | 1000-22 | 10.00 x 22.00 | 12 | TT | 260 |
| (ACAG4) | 1000-20 | 11.00 x 20.00 | 12 | TT | 267 |
| (ACAG5) | 1100-20 | 11.00 x 20.00 | 14 | TT | 390 |
| (ACAG6) | 1100-22 | 11.00 x 22.00 | 12 | TT | 366 |
| (ACAG7) | 11-225 | 11.00 x 22.50 | 12 | TL | 298 |
| CUSTOM HI-MILER SUPER SINGLE | | | | | |
| (ACAH1) | 15-225 | 15.00 x 22.50 | 14 | TL | 549 |
| (ACAH2) | 15-225 | 15.00 x 22.50 | 16 | TL | 562 |
| (ACAH3) | 165-225 | 16.50 x 22.50 | 16 | TL | 621 |
| (ACAH4) | 18-195 | 18.00 x 19.50 | 18 | TL | 740 |
| (ACAH5) | 18-225 | 18.00 x 22.50 | 16 | TL | 708 |
| (ACAH6) | 18-225 | 18.00 x 22.50 | 18 | TL | 732 |
| CUSTOM XTRA GRIP HI-MILER | | | | | |
| (ACCI1) | 750-20 | 7.50 x 20.00 | 10 | TT | 163 |
| (ACCI2) | 825-20 | 8.25 x 20.00 | 10 | TT | 178 |
| (ACCI3) | 900-20 | 9.00 x 20.00 | 10 | TT | 226 |
| (ACCI4) | 900-20 | 9.00 x 20.00 | 12 | TT | 251 |
| (ACCI5) | 1000-20 | 10.00 x 20.00 | 12 | TT | 271 |
| (ACCI6) | 1000-20 | 10.00 x 20.00 | 14 | TT | 313 |
| (ACCI7) | 1100-20 | 11.00 x 20.00 | 12 | TT | 316 |
| (ACCI8) | 1100-20 | 11.00 x 20.00 | 14 | TT | 359 |
| HI-MILER LPT | | | | | |
| (ACCZ1) | 750-15 | 7.50 x 15.00 | 12 | TT | 182 |
| (ACCZ2) | 825-15 | 8.25 x 15.00 | 12 | TT | 189 |
| (ACCZ3) | 825-15 | 8.25 x 15.00 | 14 | TT | 219 |
| (ACCZ4) | 900-15 | 9.00 x 15.00 | 12 | TT | 214 |
| (ACCZ5) | 1000-15 | 10.00 x 15.00 | 14 | TT | 274 |
| **TIRE GROUP = FARM TIRES** | | | | | |
| POWER TORQUE REAR TRACTOR R-1 | | | | | |
| (ADAO7) | 600-12 | 6.00 x 12.00 | 2 | TL | 48 |
| (ADAO8) | 600-12 | 6.00 x 12.00 | 4 | TL | 53 |
| (ADAO9) | 830-16 | 8.30 x 16.00 | 4 | TL | 146 |
| (ADAO10) | 830-16 | 8.30 x 16.00 | 6 | TL | 168 |
| (ADAO11) | 950-16 | 9.50 x 16.00 | 4 | TL | 192 |
| (ADAO6) | 950-16 | 9.50 x 16.00 | 6 | TT | 216 |
| (ADAO3) | 136-26 | 13.60 x 26.00 | 6 | TT | 389 |
| (ADAO1) | 136-28 | 13.60 x 28.00 | 6 | TT | 356 |
| (ADAO5) | 149-26 | 14.90 x 26.00 | 6 | TT | 432 |
| (ADAO2) | 184-161 | 18.40 x 16.10 | 6 | TL | 512 |
| (ADAO4) | 184-28 | 18.40 x 28.00 | 6 | TT | 630 |
| ALL WEATHER REAR TRACTOR R-3 | | | | | |
| (ADAQ9) | 83-24 | 8.30 x 24.00 | 4 | TT | 203 |
| (ADAQ7) | 95-16 | 9.50 x 16.00 | 4 | TT | 203 |
| (ADAQ1) | 95-24 | 9.50 x 24.00 | 4 | TT | 236 |
| (ADAQ14) | 124-16 | 12.40 x 16.00 | 8 | TL | 265 |
| (ADAQ8) | 124-16 | 12.40 x 16.00 | 12 | TT | 342 |
| (ADAQ15) | 136-161 | 13.60 x 16.10 | 8 | TL | 480 |
| (ADAQ12) | 136-28 | 13.60 x 28.00 | 4 | TT | 385 |
| (ADAQ25) | 136-28 | 13.60 x 28.00 | 6 | TL | 424 |

[1] **TT = Tube-Type Tires, TL = Tubeless Tires**

# APPENDIX F

## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| (ADAQ2) | 136-28 | 13.60 x 28.00 | 6 | TT | 446 |
| (ADAQ3) | 149-24 | 14.90 x 24.00 | 6 | TT | 470 |
| (ADAQ10) | 149-24 | 14.90 x 24.00 | 8 | TT | 483 |
| (ADAQ16) | 165L-161 | 16.50 x 16.10 | 6 | TL | 458 |
| (ADAQ11) | 169-24 | 16.90 x 24.00 | 6 | TT | 570 |
| (ADAQ28) | 169-34 | 16.90 x 34.00 | 10 | TL | 1,138 |
| (ADAQ4) | 184-161 | 18.40 x 16.10 | 6 | TT | 571 |
| (ADAQ17) | 184-161 | 18.40 x 16.10 | 8 | TL | 641 |
| (ADAQ18) | 184-26 | 18.40 x 26.00 | 6 | TL | 670 |
| (ADAQ19) | 184-26 | 18.40 x 26.00 | 10 | TL | 875 |
| (ADAQ20) | 231-26 | 23.10 x 26.00 | 8 | TL | 1,152 |
| (ADAQ5) | 231-26 | 23.10 x 26.00 | 8 | TT | 1,030 |
| (ADAQ21) | 231-26 | 23.10 x 26.00 | 10 | TL | 1,183 |
| (ADAQ6) | 231-26 | 23.10 x 26.00 | 10 | TT | 1,172 |
| (ADAQ22) | 231-26 | 23.10 x 26.00 | 12 | TL | 1,522 |
| (ADAQ26) | 245-32 | 24.50 x 32.00 | 12 | TL | 2,187 |
| (ADAQ23) | 28L-26 | 28.00 x 26.00 | 10 | TL | 1,534 |
| (ADAQ24) | 28L-26 | 28.00 x 26.00 | 12 | TL | 1,872 |
| (ADAQ27) | 305L-32 | 30.50 x 32.00 | 12 | TL | 3,001 |
| (ADAQ13) | 305L-32 | 30.50 x 32.00 | 16 | TT | 3,652 |
| INDUSTRIAL SURE GRIP R-4 | | | | | |
| (ADAR10) | 149-24 | 14.90 x 24.00 | 6 | TT | 385 |
| (ADAR1) | 149-24 | 14.90 x 24.00 | 6 | TL | 392 |
| (ADAR11) | 149-24 | 14.90 x 24.00 | 8 | TT | 438 |
| (ADAR2) | 149-24 | 14.90 x 24.00 | 8 | TL | 484 |
| (ADAR14) | 149-28 | 14.90 x 28.00 | 8 | TT | 586 |
| (ADAR5) | 149-28 | 14.90 x 28.00 | 14 | TL | 722 |
| (ADAR6) | 169-24 | 16.90 x 24.00 | 6 | TL | 483 |
| (ADAR12) | 169-24 | 16.90 x 24.00 | 8 | TT | 514 |
| (ADAR3) | 169-24 | 16.90 x 24.00 | 8 | TL | 546 |
| (ADAR7) | 169-24 | 16.90 x 24.00 | 10 | TL | 641 |
| (ADAR15) | 169-28 | 16.90 x 28.00 | 8 | TT | 598 |
| (ADAR4) | 169-28 | 16.90 x 28.00 | 10 | TL | 672 |
| (ADAR8) | 184-24 | 18.40 x 24.00 | 8 | TL | 820 |
| (ADAR9) | 184-24 | 18.40 x 24.00 | 10 | TL | 891 |
| (ADAR13) | 184-24 | 18.40 x 24.00 | 12 | TT | 969 |
| (ADAR16) | 184-28 | 18.40 x 28.00 | 8 | TT | 715 |
| (ADAR17) | 184-28 | 18.40 x 28.00 | 12 | TT | 851 |
| LOGGER LUG STEELGARD LS-2 | | | | | |
| (ADAS2) | 184-26 | 18.40 x 26.00 | 10 | TT | 1,213 |
| (ADAS8) | 184-34 | 18.40 x 34.00 | 10 | TT | 1,584 |
| (ADAS1) | 231-26 | 23.10 x 26.00 | 10 | TT | 1,826 |
| (ADAS4) | 245-32 | 24.50 x 32.00 | 12 | TT | 2,519 |
| (ADAS5) | 245-32 | 24.50 x 32.00 | 16 | TT | 3,001 |
| (ADAS3) | 28L-26 | 28.00 x 26.00 | 12 | TT | 2,208 |
| (ADAS6) | 305L-32 | 30.50 x 32.00 | 12 | TT | 3,049 |
| (ADAS7) | 305L-32 | 30.50 x 32.00 | 16 | TT | 3,478 |
| TRACTION TORQUE REAR TRACTOR R-1 | | | | | |
| (ADAT5) | 112-36 | 11.20 x 36.00 | 4 | TT | 273 |
| (ADAT8) | 112-38 | 11.20 x 38.00 | 4 | TT | 303 |
| (ADAT6) | 124-36 | 12.40 x 36.00 | 4 | TT | 304 |
| (ADAT7) | 139-36 | 13.90 x 36.00 | 4 | TT | 342 |
| (ADAT1) | 149-24 | 14.90 x 24.00 | 6 | TL | 365 |
| (ADAT9) | 149-38 | 14.90 x 38.00 | 4 | TT | 462 |
| (ADAT2) | 169-24 | 16.90 x 24.00 | 6 | TT | 374 |
| (ADAT3) | 184-30 | 18.40 x 30.00 | 10 | TT | 542 |
| (ADAT4) | 231-26 | 23.10 x 26.00 | 8 | TL | 1,128 |

[1] TT = Tube-Type Tires, TL = Tubeless Tires

# APPENDIX F

## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| SINGLE RIB FRONT TRACTOR F-1 | | | | | |
| (ADAU2) | 600-16 | 6.00 x 16.00 | 4 | TT | 92 |
| (ADAU1) | 750-16 | 7.50 x 16.00 | 6 | TT | 137 |
| (ADAU3) | 1000-16 | 10.00 x 16.00 | 6 | TT | 189 |
| FARM SERVICE I-1 | | | | | |
| (ADAV4) | 750-14 | 7.50 x 14.00 | 4 | TL | 63 |
| (ADAV26) | 85L-14 | 8.50 x 14.00 | 6 | TT | 88 |
| (ADAV5) | 95L-14 | 9.50 x 14.00 | 4 | TL | 84 |
| (ADAV27) | 95L-14 | 9.50 x 14.00 | 6 | TT | 95 |
| (ADAV6) | 95L-14 | 9.50 x 14.00 | 6 | TL | 93 |
| (ADAV29) | 95L-15 | 9.50 x 15.00 | 6 | TT | 98 |
| (ADAV9) | 95L-15 | 9.50 x 15.00 | 6 | TL | 93 |
| (ADAV30) | 95L-15 | 9.50 x 15.00 | 8 | TT | 101 |
| (ADAV10) | 1000-15 | 10.00 x 15.00 | 8 | TL | 114 |
| (ADAV7) | 11L-14 | 11.00 x 14.00 | 4 | TL | 105 |
| (ADAV28) | 11L-14 | 11.00 x 14.00 | 6 | TT | 106 |
| (ADAV8) | 11L-14 | 11.00 x 14.00 | 6 | TL | 96 |
| (ADAV12) | 11L-15 | 11.00 x 15.00 | 6 | TL | 101 |
| (ADAV31) | 11L-15 | 11.00 x 15.00 | 6 | TT | 106 |
| (ADAV13) | 11L-15 | 11.00 x 15.00 | 8 | TL | 111 |
| (ADAV32) | 11L-15 | 11.00 x 15.00 | 8 | TT | 110 |
| (ADAV14) | 11L-15 | 11.00 x 15.00 | 10 | TL | 134 |
| (ADAV11) | 11L-15 | 11.00 x 15.00 | 12 | TL | 164 |
| (ADAV33) | 11L-15 | 11.00 x 15.00 | 12 | TT | 158 |
| (ADAV17) | 11L-16 | 11.00 x 16.00 | 8 | TL | 114 |
| (ADAV36) | 11L-16 | 11.00 x 16.00 | 8 | TT | 126 |
| (ADAV1) | 11L-16 | 11.00 x 16.00 | 10 | TL | 131 |
| (ADAV37) | 11L-16 | 11.00 x 16.00 | 10 | TT | 145 |
| (ADAV15) | 125L-15 | 12.50 x 15.00 | 8 | TL | 93 |
| (ADAV34) | 125L-15 | 12.50 x 15.00 | 8 | TT | 134 |
| (ADAV35) | 125L-15 | 12.50 x 15.00 | 10 | TT | 160 |
| (ADAV16) | 125L-15 | 12.50 x 15.00 | 12 | TL | 179 |
| (ADAV2) | 125L-15 | 12.50 x 15.00 | 12 | TL | 179 |
| (ADAV18) | 125L-16 | 12.50 x 16.00 | 8 | TL | 144 |
| (ADAV38) | 125L-16 | 12.50 x 16.00 | 8 | TT | 154 |
| (ADAV19) | 125L-16 | 12.50 x 16.00 | 12 | TL | 172 |
| (ADAV3) | 14L-161 | 14.00 x 16.10 | 6 | TL | 239 |
| (ADAV20) | 165L-161 | 16.50 x 16.10 | 8 | TL | 268 |
| (ADAV21) | 165L-161 | 16.50 x 16.10 | 10 | TL | 297 |
| (ADAV22) | 19L-161 | 19.00 x 16.10 | 8 | TL | 360 |
| (ADAV23) | 19L-161 | 19.00 x 16.10 | 10 | TL | 423 |
| (ADAV24) | 215L-161 | 21.50 x 16.10 | 10 | TL | 442 |
| (ADAV25) | 215L-161 | 21.50 x 16.10 | 14 | TL | 518 |
| IMPLEMENT RIB I-1 | | | | | |
| (ADAW2) | 400-09 | 4.00 x 9.00 | 4 | TT | 37 |
| (ADAW3) | 400-12 | 4.00 x 12.00 | 4 | TT | 40 |
| (ADAW13) | 400-18 | 4.00 x 18.00 | 4 | TT | 57 |
| (ADAW5) | 500-15 | 5.00 x 15.00 | 4 | TT | 57 |
| (ADAW19) | 590-15 | 5.90 x 15.00 | 4 | TL | 61 |
| (ADAW8) | 600-16 | 6.00 x 16.00 | 6 | TT | 74 |
| (ADAW20) | 640-15 | 6.40 x 15.00 | 6 | TL | 67 |
| (ADAW9) | 650-16 | 6.50 x 16.00 | 6 | TT | 71 |
| (ADAW21) | 670-15 | 6.70 x 15.00 | 4 | TL | 68 |
| (ADAW6) | 670-15 | 6.70 x 15.00 | 6 | TT | 69 |
| (ADAW29) | 700-12 | 7.00 x 12.00 | 6 | TL | 93 |
| (ADAW10) | 750-16 | 7.50 x 16.00 | 6 | TT | 91 |
| (ADAW1) | 750-16 | 7.50 x 16.00 | 8 | TT | 116 |
| (ADAW11) | 750-16 | 7.50 x 16.00 | 10 | TT | 109 |
| (ADAW14) | 750-18 | 7.50 x 18.00 | 6 | TT | 101 |

[1] **TT = Tube-Type Tires, TL = Tubeless Tires**

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| (ADAW24) | 750-20 | 7.50 x 20.00 | 4 | TL | 106 |
| (ADAW15) | 750-20 | 7.50 x 20.00 | 6 | TT | 125 |
| (ADAW28) | 750-24 | 7.50 x 24.00 | 6 | TL | 183 |
| (ADAW22) | 760-15 | 7.60 x 15.00 | 4 | TL | 75 |
| (ADAW23) | 760-15 | 7.60 x 15.00 | 6 | TL | 83 |
| (ADAW7) | 760-15 | 7.60 x 15.00 | 6 | TT | 84 |
| (ADAW4) | 900-10 | 9.00 x 10.00 | 4 | TT | 94 |
| (ADAW12) | 900-16 | 9.00 x 16.00 | 10 | TT | 123 |
| (ADAW25) | 900-24 | 9.00 x 24.00 | 6 | TL | 217 |
| (ADAW16) | 900-24 | 9.00 x 24.00 | 8 | TT | 225 |
| (ADAW26) | 900-24 | 9.00 x 24.00 | 8 | TL | 239 |
| (ADAW17) | 1125-24 | 11.25 x 24.00 | 8 | TT | 302 |
| (ADAW27) | 1125-24 | 11.25 x 24.00 | 8 | TL | 305 |
| (ADAW18) | 1125-28 | 11.25 x 28.00 | 12 | TT | 446 |
| LABORER F-3 | | | | | |
| (ADAX6) | 800-16 | 8.00 x 16.00 | 6 | TL | 106 |
| (ADAX7) | 800-16 | 8.00 x 16.00 | 10 | TL | 128 |
| (ADAX5) | 11L-15 | 11.00 x 15.00 | 8 | TL | 114 |
| (ADAX1) | 11L-15 | 11.00 x 15.00 | 10 | TL | 135 |
| (ADAX8) | 11L-16 | 11.00 x 16.00 | 8 | TL | 147 |
| (ADAX2) | 11L-16 | 11.00 x 16.00 | 10 | TL | 147 |
| (ADAX3) | 11L-16 | 11.00 x 16.00 | 12 | TL | 168 |
| (ADAX4) | 145/75-161 | 14.50 x 16.10 | 10 | TL | 349 |
| SMOOTH | | | | | |
| (ADBY1) | 169-30 | 16.90 x 30.00 | 6 | TL | 946 |
| ALL SERVICE SUPER SINGLE | | | | | |
| (ADCA1) | 15-195 | 15.00 x 19.50 | 14 | TL | 483 |
| (ADCA2) | 18-195 | 18.00 x 19.50 | 16 | TL | 773 |
| INDUSTRIAL TORQUE R-4 | | | | | |
| (ADCC1) | 175L-24 | 17.50 x 24.00 | 6 | TL | 442 |
| (ADCC7) | 175L-24 | 17.50 x 24.00 | 8 | TL | 485 |
| (ADCC2) | 175L-24 | 17.50 x 24.00 | 10 | TL | 660 |
| (ADCC8) | 195L-24 | 19.50 x 24.00 | 8 | TL | 629 |
| (ADCC3) | 195L-24 | 19.50 x 24.00 | 10 | TL | 738 |
| (ADCC4) | 195L-24 | 19.50 x 24.00 | 12 | TL | 814 |
| (ADCC9) | 21L-24 | 21.00 x 24.00 | 10 | TL | 865 |
| (ADCC5) | 21L-24 | 21.00 x 24.00 | 12 | TL | 951 |
| (ADCC6) | 21L-24 | 21.00 x 24.00 | 16 | TL | 1,235 |
| (ADCC10) | 21L-28 | 21.00 x 28.00 | 10 | TL | 995 |
| (ADCC11) | 21L-28 | 21.00 x 28.00 | 14 | TL | 1,078 |
| DYNA TORQUE II REAR TRACTOR R-1 | | | | | |
| (ADCJ75) | 700-12 | 7.00 x 12.00 | 4 | TL | 100 |
| (ADCJ74) | 700-14 | 7.00 x 14.00 | 4 | TL | 103 |
| (ADCJ1) | 83-24 | 8.30 x 24.00 | 4 | TT | 177 |
| (ADCJ2) | 83-24 | 8.30 x 24.00 | 6 | TT | 165 |
| (ADCJ3) | 95-24 | 9.50 x 24.00 | 4 | TT | 200 |
| (ADCJ4) | 95-24 | 9.50 x 24.00 | 6 | TT | 225 |
| (ADCJ47) | 112-16 | 11.20 x 16.00 | 4 | TL | 172 |
| (ADCJ5) | 112-24 | 11.20 x 24.00 | 4 | TT | 216 |
| (ADCJ6) | 112-24 | 11.20 x 24.00 | 6 | TT | 253 |
| (ADCJ7) | 112-24 | 11.20 x 24.00 | 8 | TT | 277 |
| (ADCJ17) | 112-28 | 11.20 x 28.00 | 4 | TT | 261 |
| (ADCJ8) | 124-24 | 12.40 x 24.00 | 4 | TT | 269 |
| (ADCJ48) | 124-24 | 12.40 x 24.00 | 6 | TL | 313 |
| (ADCJ49) | 124-24 | 12.40 x 24.00 | 8 | TL | 326 |
| (ADCJ9) | 124-24 | 12.40 x 24.00 | 8 | TT | 332 |

[1] **TT = Tube-Type Tires, TL = Tubeless Tires**

# APPENDIX F

## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| (ADCJ18) | 124-28 | 12.40 x 28.00 | 4 | TT | 289 |
| (ADCJ32) | 124-38 | 12.40 x 38.00 | 4 | TT | 354 |
| (ADCJ33) | 124-38 | 12.40 x 38.00 | 6 | TT | 370 |
| (ADCJ10) | 136-24 | 13.60 x 24.00 | 4 | TT | 303 |
| (ADCJ11) | 136-24 | 13.60 x 24.00 | 8 | TT | 358 |
| (ADCJ19) | 136-28 | 13.60 x 28.00 | 4 | TT | 322 |
| (ADCJ20) | 136-28 | 13.60 x 28.00 | 6 | TT | 349 |
| (ADCJ58) | 136-28 | 13.60 x 28.00 | 10 | TL | 421 |
| (ADCJ34) | 136-38 | 13.60 x 38.00 | 4 | TT | 380 |
| (ADCJ35) | 136-38 | 13.60 x 38.00 | 6 | TT | 415 |
| (ADCJ12) | 149-24 | 14.90 x 24.00 | 4 | TT | 318 |
| (ADCJ13) | 149-24 | 14.90 x 24.00 | 6 | TT | 356 |
| (ADCJ50) | 149-24 | 14.90 x 24.00 | 6 | TL | 365 |
| (ADCJ51) | 149-24 | 14.90 x 24.00 | 8 | TL | 393 |
| (ADCJ21) | 149-28 | 14.90 x 28.00 | 4 | TT | 330 |
| (ADCJ22) | 149-28 | 14.90 x 28.00 | 6 | TT | 365 |
| (ADCJ36) | 155-38 | 15.50 x 38.00 | 6 | TT | 474 |
| (ADCJ14) | 169-24 | 16.90 x 24.00 | 6 | TT | 406 |
| (ADCJ23) | 169-28 | 16.90 x 28.00 | 6 | TT | 424 |
| (ADCJ24) | 169-30 | 16.90 x 30.00 | 6 | TT | 473 |
| (ADCJ59) | 169-30 | 16.90 x 30.00 | 10 | TL | 573 |
| (ADCJ27) | 169-34 | 16.90 x 34.00 | 6 | TT | 554 |
| (ADCJ68) | 169-34 | 16.90 x 34.00 | 8 | TL | 631 |
| (ADCJ69) | 169-34 | 16.90 x 34.00 | 10 | TL | 663 |
| (ADCJ37) | 169-38 | 16.90 x 38.00 | 6 | TT | 613 |
| (ADCJ38) | 169-38 | 16.90 x 38.00 | 8 | TT | 670 |
| (ADCJ15) | 184-26 | 18.40 x 26.00 | 6 | TT | 513 |
| (ADCJ52) | 184-26 | 18.40 x 26.00 | 6 | TL | 528 |
| (ADCJ16) | 184-26 | 18.40 x 26.00 | 10 | TT | 644 |
| (ADCJ73) | 184-28 | 18.40 x 28.00 | 6 | TT | 506 |
| (ADCJ25) | 184-30 | 18.40 x 30.00 | 6 | TT | 574 |
| (ADCJ60) | 184-30 | 18.40 x 30.00 | 12 | TL | 857 |
| (ADCJ28) | 184-34 | 18.40 x 34.00 | 6 | TT | 607 |
| (ADCJ29) | 184-34 | 18.40 x 34.00 | 8 | TT | 663 |
| (ADCJ39) | 184-38 | 18.40 x 38.00 | 6 | TT | 649 |
| (ADCJ40) | 184-38 | 18.40 x 38.00 | 8 | TT | 723 |
| (ADCJ41) | 184-38 | 18.40 x 38.00 | 10 | TT | 994 |
| (ADCJ44) | 184-42 | 18.40 x 42.00 | 8 | TT | 1,025 |
| (ADCJ45) | 184-42 | 18.40 x 42.00 | 10 | TT | 1,089 |
| (ADCJ30) | 208-34 | 20.80 x 34.00 | 8 | TT | 882 |
| (ADCJ42) | 208-38 | 20.80 x 38.00 | 8 | TT | 979 |
| (ADCJ43) | 208-38 | 20.80 x 38.00 | 10 | TT | 1,132 |
| (ADCJ72) | 208-38 | 20.80 x 38.00 | 14 | TL | 1,615 |
| (ADCJ46) | 208-42 | 20.80 x 42.00 | 10 | TT | 1,313 |
| (ADCJ53) | 231-26 | 23.10 x 26.00 | 8 | TL | 1,128 |
| (ADCJ54) | 231-26 | 23.10 x 26.00 | 10 | TL | 1,204 |
| (ADCJ55) | 231-26 | 23.10 x 26.00 | 12 | TL | 1,310 |
| (ADCJ26) | 231-30 | 23.10 x 30.00 | 8 | TT | 1,071 |
| (ADCJ61) | 231-30 | 23.10 x 30.00 | 10 | TL | 1,685 |
| (ADCJ31) | 234-34 | 23.10 x 34.00 | 8 | TT | 1,342 |
| (ADCJ70) | 231-34 | 23.10 x 34.00 | 8 | TL | 1,477 |
| (ADCJ71) | 231-34 | 23.10 x 34.00 | 10 | TL | 1,480 |
| (ADCJ62) | 245-32 | 24.50 x 32.00 | 10 | TL | 1,406 |
| (ADCJ63) | 245-32 | 24.50 x 32.00 | 12 | TL | 1,646 |
| (ADCJ56) | 28L-26 | 28.00 x 26.00 | 10 | TL | 1,467 |
| (ADCJ57) | 28L-26 | 28.00 x 26.00 | 12 | TL | 1,680 |
| (ADCJ64) | 305L-32 | 30.50 x 32.00 | 10 | TL | 1,785 |
| (ADCJ65) | 305L-32 | 30.50 x 32.00 | 12 | TL | 1,960 |
| (ADCJ66) | 305L-32 | 30.50 x 32.00 | 14 | TL | 2,156 |
| (ADCJ67) | 305L-32 | 30.50 x 32.00 | 16 | TL | 2,372 |

[1] TT = Tube-Type Tires, TL = Tubeless Tires

# APPENDIX F

## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| SUPER RIB FRONT TRACTOR | | | | | |
| (ADCK5) | 400-12 | 4.00 x 12.00 | 4 | TL | 46 |
| (ADCK1) | 600-14 | 6.00 x 14.00 | 6 | TT | 89 |
| (ADCK2) | 750-16 | 7.50 x 16.00 | 6 | TT | 96 |
| (ADCK3) | 750-16 | 7.50 x 16.00 | 8 | TT | 100 |
| (ADCK6) | 95L-15 | 9.50 x 15.00 | 6 | TL | 108 |
| (ADCK4) | 950-20 | 9.50 x 20.00 | 8 | TT | 193 |
| **TIRE GROUP = SPECIALTY/INDUSTRIAL TIRES** | | | | | |
| CAMPER-TRAILER TIRES | | | | | |
| (AEAI2) | 480-8 | 4.80 x 8.00 | 4 | TL | 27 |
| (AEAI3) | 480-8 | 4.80 x 8.00 | 6 | TL | 33 |
| (AEAI1) | 500-12 | 5.00 x 12.00 | 4 | TT | 60 |
| XTRA TRACTION MINE & INDUSTRIAL | | | | | |
| (AEAJ10) | 28-9-15 | x | 12 | TT | 269 |
| (AEAJ6) | 570-8 | 5.70 x 8.00 | 8 | TT | 80 |
| (AEAJ1) | 650-10 | 6.50 x 10.00 | 10 | TT | 143 |
| (AEAJ7) | 690-9 | 6.90 x 9.00 | 10 | TT | 129 |
| (AEAJ2) | 700-12 | 7.00 x 12.00 | 10 | TT | 204 |
| (AEAJ8) | 700-12 | 7.00 x 12.00 | 12 | TT | 208 |
| (AEAJ3) | 700-15 | 7.00 x 15.00 | 12 | TT | 193 |
| (AEAJ4) | 750-15 | 7.50 x 15.00 | 10 | TT | 317 |
| (AEAJ5) | 825-15 | 8.25 x 15.00 | 12 | TT | 260 |
| (AEAJ9) | 900-10 | 9.00 x 10.00 | 16 | TT | 563 |
| HARD ROCK LUG MINE & INDUSTRIAL | | | | | |
| (AEAK1) | 900-20 | 9.00 x 20.00 | 12 | TT | 398 |
| (AEAK2) | 1000-20 | 10.00 x 20.00 | 14 | TT | 463 |
| (AEAK3) | 1100-15 | 11.00 x 15.00 | 16 | TT | 672 |
| PRESSED ON INDUST. TIRES XTRA CUSHION SMOOTH | | | | | |
| (AEAL10) | 1625-6 | x | | | 102 |
| (AEAL11) | 18-7-1218 | x | | | 123 |
| (AEAL12) | 18-8-1218 | x | | | 144 |
| (AEAL13) | 18-9-1218 | x | | | 173 |
| (AEAL14) | 22-6-1734 | x | | | 112 |
| (AEAL15) | 22-9-16 | x | | | 248 |
| (AEAL16) | 10-4-5 | x | | | 63 |
| (AEAL17) | 1012-5-5 | x | | | 80 |
| (AEAL18) | 13-312-8 | x | | | 61 |
| (AEAL19) | 14-412-8 | x | | | 80 |
| (AEAL1) | 59-22 | x | | | 51 |
| (AEAL20) | 1512-6-10 | x | | | 90 |
| (AEAL21) | 16-5-1012 | x | | | 104 |
| (AEAL22) | 1614-7-1114 | x | | | 123 |
| (AEAL23) | 18-5-1218 | x | | | 113 |
| (AEAL24) | 18-6-1218 | x | | | 117 |
| (AEAL25) | 18-7-14 | x | | | 109 |
| (AEAL26) | 18-8-14 | x | | | 126 |
| (AEAL27) | 18-9-14 | x | | | 140 |
| (AEAL28) | 21-5-15 | x | | | 106 |
| (AEAL29) | 21-6-15 | x | | | 138 |
| (AEAL2) | 12-312-8 | x | | | 54 |

[1] **TT = Tube-Type Tires, TL = Tubeless Tires**

# APPENDIX F

## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| (AEAL30) | 21-7-15 | x | | | 159 |
| (AEAL31) | 21-8-15 | x | | | 182 |
| (AEAL32) | 22-8-16 | x | | | 200 |
| (AEAL33) | 1614-6-1114 | x | | | 98 |
| (AEAL3) | 22-12-16 | x | | | 414 |
| (AEAL4) | 13-45 | x | | | 72 |
| (AEAL5) | 22-12-16 | x | | | 414 |
| (AEAL6) | 16-5-1012 | x | | | 100 |
| (AEAL7) | 16-6-1012 | x | | | 111 |
| (AEAL8) | 22-16-16 | x | | | 536 |
| (AEAL9) | 1625-5 | x | | | 104 |
| INDUSTRIAL TERRA SOF-TRAC | | | | | |
| (AEAM10) | 20-1000-8 | x | 2 | TL | 50 |
| (AEAM12) | 23-1050-12 | x | 2 | TL | 61 |
| (AEAM4) | 11-400-5 | x | 2 | TL | 19 |
| (AEAM5) | 13-500-6 | x | 2 | TL | 21 |
| (AEAM7) | 15-600-6 | x | 2 | TL | 26 |
| (AEAM8) | 16-650-8 | x | 2 | TL | 31 |
| (AEAM9) | 18-650-8 | x | 2 | TL | 33 |
| (AEAM11) | 20-1000-8 | x | 4 | TL | 56 |
| (AEAM13) | 23-1050-12 | x | 4 | TL | 67 |
| (AEAM14) | 26-1200-12 | x | 4 | TL | 80 |
| (AEAM6) | 14-600-6 | x | 4 | TL | 38 |
| (AEAM1) | 16-650-8 | 16.00 x 6.50 | 4 | TL | 36 |
| (AEAM2) | 18-850-8 | 18.00 x 8.50 | 2 | TL | 34 |
| (AEAM3) | 18-850-8 | 18.00 x 8.50 | 4 | TL | 38 |
| SURE GRIP-XTRA TRACTION TERRA | | | | | |
| (AEAN1) | 23-850-12 | 23.00 x 8.50 | 4 | TL | 56 |
| (AEAN2) | 26-1200-12 | 26.00 x 12.00 | 4 | TL | 81 |
| (AEAN3) | 31-1550-15 | 31.00 x 15.50 | 8 | TL | 288 |
| COMPACTOR SMOOTH FLAT TREAD | | | | | |
| (AEAY2) | 750-15 | 7.50 x 15.00 | 6 | TT | 168 |
| (AEAY4) | 750-15 | 7.50 x 15.00 | 6 | TL | 158 |
| (AEAY3) | 750-15 | 7.50 x 15.00 | 12 | TT | 259 |
| (AEAY1) | 1400-24 | 14.00 x 24.00 | 20 | TT | 1,332 |
| E-3 HARD ROCK LUG | | | | | |
| (AEBD7) | 1800-25 | 18.00 x 25.00 | 20 | TL | 2,089 |
| (AEBD11) | 2100-35 | 21.00 x 35.00 | 28 | TL | 4,381 |
| (AEBD14) | 375-51 | 37.50 x 51.00 | 44 | TL | 13,159 |
| E-3 HARD ROCK LUG 8 | | | | | |
| (AEBF1) | 2400-49 | 24.00 x 49.00 | 36 | TL | 6,956 |
| E-3 SUPER HARD ROCK LUG | | | | | |
| (AEBG6) | 235-25 | 23.50 x 25.00 | 24 | TL | 2,245 |
| (AEBG7) | 265-25 | 26.50 x 25.00 | 24 | TL | 3,657 |
| (AEBG10) | 295-29 | 29.50 x 29.00 | 22 | TL | 4,577 |
| (AEBG13) | 3325-29 | 33.25 x 29.00 | 26 | TL | 6,681 |
| (AEBG14) | 3325-35 | 33.25 x 35.00 | 32 | TL | 7,332 |
| (AEBG15) | 3325-35 | 33.25 x 35.00 | 38 | TL | 7,374 |
| (AEBG16) | 3350-33 | 33.50 x 33.00 | 38 | TL | 9,011 |
| (AEBG17) | 375-39 | 37.50 x 39.00 | 36 | TL | 9,947 |
| (AEBG18) | 375-39 | 37.50 x 39.00 | 44 | TL | 5,477 |
| E-3 SUPER HARD ROCK LUG 8 | | | | | |
| (AEBH1) | 295-29 | 29.50 x 29.00 | 26 | TL | 4,929 |

[1] **TT = Tube-Type Tires, TL = Tubeless Tires**

# APPENDIX F

## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| E-4 HARD ROCK LUG XTRA-TRED 8 | | | | | |
| (AEBJ1) | 1600-25 | 16.00 x 25.00 | 28 | TL | 1,888 |
| (AEBJ2) | 1800-49 | 18.00 x 49.00 | 32 | TL | 3,827 |
| (AEBJ3) | 2400-35 | 24.00 x 35.00 | 42 | TL | 7,186 |
| (AEBJ4) | 2400-43 | 24.00 x 43.00 | 42 | TL | 7,764 |
| (AEBJ5) | 2400-49 | 24.00 x 49.00 | 42 | TL | 8,613 |
| (AEBJ6) | 2400-49 | 24.00 x 49.00 | 44 | TL | 8,613 |
| (AEBJ7) | 2700-49 | 27.00 x 49.00 | 42 | TL | 10,187 |
| (AEBJ8) | 3000-51 | 30.00 x 51.00 | 46 | TL | 12,503 |
| E-7 EARTHMOVER ALL WEATHER | | | | | |
| (AEBK1) | 1800-25 | 18.00 x 25.00 | 40 | TT | 2,136 |
| G-3 ROCK GRADER | | | | | |
| (AEBO1) | 1300-24 | 13.00 x 24.00 | 8 | TL | 447 |
| (AEBO2) | 1300-24 | 13.00 x 24.00 | 10 | TL | 493 |
| (AEBO3) | 1300-24 | 13.00 x 24.00 | 12 | TL | 542 |
| (AEBO4) | 1400-24 | 14.00 x 24.00 | 10 | TL | 569 |
| (AEBO5) | 1400-24 | 14.00 x 24.00 | 12 | TL | 623 |
| (AEBO7) | 1600-24 | 16.00 x 24.00 | 12 | TL | 1,245 |
| L-4 SUPER HARD ROCK LUG D&L XT / HRL DL 5A | | | | | |
| (AEBS2) | 3325-35 | 33.25 x 35.00 | 26 | TL | 9,342 |
| L-4 NYLOSTEEL XTRA TRED D&L B/B | | | | | |
| (AEBT3) | 35/65-33 | 35.65 x 33.00 | 30 | TL | 11,184 |
| (AEBT2) | 40/65/39 | 40.65 x 39.00 | 30 | TL | 11,639 |
| (AEBT4) | 45/65-45 | 45.65 x 45.00 | 38 | TL | 19,129 |
| (AEBT5) | 50/65-51 | 50.65 x 51.00 | 54 | TL | 26,595 |
| L-4S,5S SMOOTH SUPER XT D&L | | | | | |
| (AEBW1) | 1800-25 | 18.00 x 25.00 | 24 | TL | 4,145 |
| (AEBW2) | 1800-25 | 18.00 x 25.00 | 28 | TL | 4,352 |
| (AEBW3) | 2100-25 | 21.00 x 25.00 | 32 | TL | 7,656 |
| SURE GRIPLOADER SUPER SINGLE | | | | | |
| (AEBX1) | 15-195 | 15.00 x 19.50 | 12 | TL | 606 |
| LOADER SERVICE | | | | | |
| (AEBZ1) | 570-12 | 5.70 x 12.00 | 4 | TL | 77 |
| (AEBZ2) | 570-15 | 5.70 x 15.00 | 4 | TL | 109 |
| (AEBZ3) | 700-15 | 7.00 x 15.00 | 6 | TL | 128 |
| (AEBZ4) | 825-15 | 8.25 x 15.00 | 6 | TL | 201 |
| MATERIAL HANDLING -XTRA TRACTION | | | | | |
| (AECL6) | 18-7-8 | x | 12 | TT | 109 |
| (AECL7) | 21-8-9 | x | 14 | TT | 157 |
| (AECL2) | 700L-15 | 7.00 x 15.00 | 12 | TT | 193 |
| (AECL1) | 750-10 | 7.50 x 10.00 | 12 | TT | 132 |
| (AECL3) | 750-15 | 7.50 x 15.00 | 10 | TT | 228 |
| (AECL4) | 750-15 | 7.50 x 15.00 | 12 | TT | 307 |
| (AECL5) | 825-15 | 8.25 x 15.00 | 12 | TT | 260 |
| SURE GRIP LUG SUPER SINGLE | | | | | |
| (AECM1) | 10-165 | 10.00 x 16.50 | 6 | TL | 149 |
| (AECM2) | 12-165 | 12.00 x 16.50 | 6 | TL | 187 |
| (AECM3) | 12-165 | 12.00 x 16.50 | 8 | TL | 200 |
| (AECM4) | 12-165 | 12.00 x 16.50 | 10 | TL | 234 |
| (AECM5) | 14-175 | 14.00 x 17.50 | 6 | TL | 403 |
| (AECM6) | 14-175 | 14.00 x 17.50 | 8 | TL | 468 |
| (AECM7) | 14-175 | 14.00 x 17.50 | 10 | TL | 508 |

[1] **TT = Tube-Type Tires, TL = Tubeless Tires**

# APPENDIX F

## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| (AECM10) | 15-195 | 15.00 x 19.50 | 8 | TL | 552 |
| (AECM8) | 15-195 | 15.00 x 19.50 | 12 | TL | 606 |
| (AECM9) | *15-195 | 15.00 x 19.50 | 12 | TL | 891 |
| SUPER TERRA GRIP | | | | | |
| (AECW2) | 23-850-12 | x | 2 | TL | 48 |
| (AECW4) | 23-1050-12 | x | 2 | TL | 63 |
| (AECW6) | 26-1200-12 | x | 2 | TL | 68 |
| (AECW9) | 27-850-15 | x | 2 | TL | 90 |
| (AECW10) | 27-850-15 | x | 4 | TL | 91 |
| (AECW11) | 29-1250-15 | x | 4 | TL | 166 |
| (AECW13) | 31-1550-15 | x | 4 | TL | 210 |
| (AECW1) | 16-650-8 | x | 4 | TL | 36 |
| (AECW3) | 23-850-12 | x | 4 | TL | 56 |
| (AECW5) | 23-1050-12 | x | 4 | TL | 72 |
| (AECW7) | 26-1200-12 | x | 4 | TL | 81 |
| (AECW12) | 29-1250-15 | x | 6 | TL | 183 |
| (AECW14) | 31-1550-15 | x | 8 | TL | 288 |
| (AECW15) | 38-2000-161 | x | 8 | TL | 683 |
| (AECW8) | 26-1200-12 | x | 8 | TL | 114 |
| SURE GRIP LUG | | | | | |
| (AECY1) | 23-850-12 | x | 4 | TL | 90 |
| (AECY3) | 27-850-15 | x | 4 | TL | 104 |
| (AECY2) | 25-1250-15 | x | 6 | TL | 133 |
| (AECY4) | 27-850-15 | x | 6 | TL | 117 |
| (AECY5) | 27-1050-15 | x | 6 | TL | 139 |
| CUSHION-FLAT TREAD TYPE | | | | | |
| (AEDA10) | 1012-5-612 | x | | TL | 62 |
| (AEDA11) | 1012-6-612 | x | | TL | 70 |
| (AEDA12) | 1012-7-612 | x | | TL | 78 |
| (AEDA13) | 12-312-8 | x | | TL | 54 |
| (AEDA14) | 12-4-8 | x | | TL | 57 |
| (AEDA15) | 12-412-8 | x | | TL | 64 |
| (AEDA16) | 14-4-10 | x | | TL | 66 |
| (AEDA17) | 15-3-1114 | x | | TL | 55 |
| (AEDA18) | 15-312-1114 | x | | TL | 59 |
| (AEDA19) | 15-5-1114 | x | | TL | 68 |
| (AEDA1) | 812-4-4 | x | | TL | 50 |
| (AEDA20) | 15-6-1114 | x | | TL | 77 |
| (AEDA21) | 15-7-1114 | x | | TL | 93 |
| (AEDA22) | 15-8-1114 | x | | TL | 125 |
| (AEDA23) | 16-212-1334 | x | | TL | 70 |
| (AEDA24) | 16-412-12 | x | | TL | 73 |
| (AEDA25) | 16-312-1218 | x | | TL | 61 |
| (AEDA26) | 16-4-1218 | x | | TL | 66 |
| (AEDA27) | 17-5-1218 | x | | TL | 88 |
| (AEDA28) | 17-6-1218 | x | | TL | 102 |
| (AEDA29) | 17-7-1218 | x | | TL | 116 |
| (AEDA2) | 9-5-5 | x | | TL | 51 |
| (AEDA30) | 18-5-14 | x | | TL | 85 |
| (AEDA31) | 20-4-16 | x | | TL | 77 |
| (AEDA32) | 20-5-16 | x | | TL | 83 |
| (AEDA33) | 20-6-16 | x | | TL | 98 |
| (AEDA34) | 20-7-16 | x | | TL | 115 |
| (AEDA35) | 20-8-16 | x | | TL | 139 |
| (AEDA36) | 22-412-1734 | x | | TL | 89 |
| (AEDA37) | 22-6-1734 | x | | TL | 111 |
| (AEDA38) | 22-7-1734 | x | | TL | 124 |
| (AEDA39) | 22-8-1734 | x | | TL | 150 |

[1] **TT = Tube-Type Tires, TL = Tubeless Tires**

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| (AEDA3) | 9-212-6 | x | | TL | 41 |
| (AEDA40) | 24-5-20 | x | | TL | 113 |
| (AEDA41) | 24-7-20 | x | | TL | 149 |
| (AEDA42) | 28-7-22 | x | | TL | 257 |
| (AEDA43) | 28-7-2312 | x | | TL | 180 |
| (AEDA4) | 10-312-6 | x | | TL | 53 |
| (AEDA5) | 10-3-614 | x | | TL | 50 |
| (AEDA6) | 10-6-614 | x | | TL | 65 |
| (AEDA7) | 10-7-614 | x | | TL | 76 |
| (AEDA8) | 10-4-612 | x | | TL | 50 |
| (AEDA9) | 10-5-612 | x | | TL | 54 |
| **TIRE GROUP = MED.HVY COMMERCIAL - OFF ROAD** | | | | | |
| E-1 HARD ROCK RIB | | | | | |
| (AFBA3) | 1400-25 | 14.00 x 25.00 | 20 | TL | 1,016 |
| (AFBA1) | 1600-25 | 16.00 x 25.00 | 24 | TL | 1,769 |
| (AFBA4) | 1600-25 | 16.00 x 25.00 | 32 | TL | 1,950 |
| (AFBA2) | 1800-25 | 18.00 x 25.00 | 28 | TL | 2,619 |
| E-2 EARTHMOVER SURE GRIP | | | | | |
| (AFBB5) | 1400-20 | 14.00 x 20.00 | 12 | TT | 659 |
| (AFBB3) | 1800-25 | 18.00 x 25.00 | 12 | TL | 1,939 |
| (AFBB4) | 1800-25 | 18.00 x 25.00 | 16 | TL | 2,035 |
| E-2 SURE GRIP LUG | | | | | |
| (AFBC7) | 205-25 | 20.50 x 25.00 | 16 | TL | 1,666 |
| (AFBC8) | 205-25 | 20.50 x 25.00 | 20 | TL | 1,748 |
| (AFBC9) | 206-25 | 20.60 x 25.00 | 20 | TL | 3,108 |
| (AFBC1) | 235-25 | 23.50 x 25.00 | 16 | TL | 2,524 |
| (AFBC2) | 235-25 | 23.50 x 25.00 | 20 | TL | 2,651 |
| (AFBC3) | 265-25 | 26.50 x 25.00 | 24 | TL | 3,788 |
| (AFBC4) | 265-25 | 26.50 x 25.00 | 26 | TL | 3,883 |
| (AFBC10) | 295-25 | 29.50 x 25.00 | 22 | TL | 4,454 |
| (AFBC5) | 295-29 | 29.50 x 29.00 | 28 | TL | 5,105 |
| (AFBC6) | 295-29 | 29.50 x 29.00 | 34 | TL | 5,495 |
| (AFBC11) | 295-35 | 29.50 x 35.00 | 28 | TL | 5,613 |
| E-3 HARD ROCK LUG | | | | | |
| (AFBD22) | 1200-20 | 12.00 x 20.00 | 16 | TT | 707 |
| (AFBD23) | 1200-20 | 12.00 x 20.00 | 20 | TT | 850 |
| (AFBD14) | 1200-24 | 12.00 x 24.00 | 16 | TT | 813 |
| (AFBD1) | 1400-20 | 14.00 x 20.00 | 24 | TT | 1,155 |
| (AFBD2) | 1400-24 | 14.00 x 24.00 | 20 | TT | 1,157 |
| (AFBD3) | 1400-24 | 14.00 x 24.00 | 24 | TT | 1,251 |
| (AFBD15) | 1400-24 | 14.00 x 24.00 | 28 | TT | 1,492 |
| (AFBD4) | 1400-25 | 14.00 x 25.00 | 20 | TL | 1,150 |
| (AFBD16) | 1600-21 | 16.00 x 21.00 | 20 | TL | 1,642 |
| (AFBD5) | 1600-25 | 16.00 x 25.00 | 20 | TL | 1,693 |
| (AFBD6) | 1600-25 | 16.00 x 25.00 | 24 | TL | 1,779 |
| (AFBD17) | 1600-25 | 16.00 x 25.00 | 28 | TL | 1,868 |
| (AFBD8) | 1800-25 | 18.00 x 25.00 | 28 | TL | 2,619 |
| (AFBD18) | 1800-25 | 18.00 x 25.00 | 32 | TL | 2,749 |

[1] TT = Tube-Type Tires, TL = Tubeless Tires

# APPENDIX F

## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| (AFBD9) | 1800-33 | 18.00 x 33.00 | 28 | TL | 3,038 |
| (AFBD19) | 1800-33 | 18.00 x 33.00 | 32 | TL | 3,189 |
| (AFBD10) | 2100-25 | 21.00 x 25.00 | 32 | TL | 4,307 |
| (AFBD12) | 2100-35 | 21.00 x 35.00 | 32 | TL | 5,481 |
| (AFBD20) | 2100-35 | 21.00 x 35.00 | 36 | TL | 5,755 |
| (AFBD21) | 2400-35 | 24.00 x 35.00 | 30 | TL | 7,373 |
| (AFBD13) | 2400-35 | 24.00 x 35.00 | 36 | TL | 6,907 |
| E-3 HARD ROCK LUG 3F | | | | | |
| (AFBE8) | 2100-25 | 21.00 x 25.00 | 32 | TL | 4,307 |
| (AFBE3) | 3325-35 | 33.25 x 35.00 | 32 | TL | 8,308 |
| (AFBE4) | 3325-35 | 33.25 x 35.00 | 38 | TL | 8,947 |
| (AFBE5) | 3725-35 | 37.25 x 35.00 | 30 | TL | 9,857 |
| (AFBE6) | 3725-35 | 37.25 x 35.00 | 36 | TL | 10,614 |
| (AFBE1) | 375-33 | 37.50 x 33.00 | 36 | TL | 8,836 |
| (AFBE2) | 375-33 | 37.50 x 33.00 | 42 | TL | 11,101 |
| (AFBE7) | 375-39 | 37.50 x 39.00 | 44 | TL | 12,132 |
| (AFBE9) | 375-39 | 37.50 x 39.00 | 52 | TL | 13,345 |
| E-3 HARD ROCK LUG 8 | | | | | |
| (AFBF2) | 2400-49 | 24.00 x 49.00 | 42 | TL | 8,914 |
| (AFBF3) | 2400-49 | 24.00 x 49.00 | 48 | TL | 9,600 |
| E-3 SUPER HARD ROCK LUG | | | | | |
| (AFBG1) | 205-25 | 20.50 x 25.00 | 12 | TL | 1,585 |
| (AFBG2) | 205-25 | 20.50 x 25.00 | 16 | TL | 1,666 |
| (AFBG3) | 205-25 | 20.50 x 25.00 | 20 | TL | 1,748 |
| (AFBG4) | 235-25 | 23.50 x 25.00 | 16 | TL | 2,524 |
| (AFBG5) | 235-25 | 23.50 x 25.00 | 20 | TL | 2,651 |
| (AFBG19) | 265-25 | 26.50 x 25.00 | 20 | TL | 4,147 |
| (AFBG20) | 265-25 | 26.50 x 25.00 | 26 | TL | 4,464 |
| (AFBG8) | 295-25 | 29.50 x 25.00 | 22 | TL | 5,118 |
| (AFBG9) | 295-25 | 29.50 x 25.00 | 28 | TL | 5,511 |
| (AFBG11) | 295-29 | 29.50 x 29.00 | 28 | TL | 5,870 |
| (AFBG12) | 295-29 | 29.50 x 29.00 | 34 | TL | 6,318 |
| E-3 SUPER HARD ROCK LUG 8 | | | | | |
| (AFBH8) | 295-35 | 29.50 x 35.00 | 28 | TL | 6,455 |
| (AFBH9) | 295-35 | 29.50 x 35.00 | 34 | TL | 6,949 |
| (AFBH2) | 3325-29 | 33.25 x 29.00 | 26 | TL | 6,681 |
| (AFBH10) | 3325-35 | 33.25 x 35.00 | 32 | TL | 8,104 |
| (AFBH7) | 335-33 | 33.50 x 33.00 | 32 | TL | 7,878 |
| (AFBH3) | 335-33 | 33.50 x 33.00 | 44 | TL | 10,305 |
| (AFBH4) | 3725-35 | 37.25 x 35.00 | 30 | TL | 9,613 |
| (AFBH5) | 3725-35 | 37.25 x 35.00 | 36 | TL | 10,355 |
| (AFBH6) | 375-39 | 37.50 x 39.00 | 44 | TL | 11,837 |
| (AFBH11) | 375-39 | 37.50 x 39.00 | 52 | TL | 13,064 |
| (AFBH12) | 375-39 | 37.50 x 39.00 | 60 | TL | 12,362 |
| (AFBH13) | 375-51 | 37.50 x 51.00 | 44 | TL | 11,590 |
| E-7 SAND RIB | | | | | |
| (AFBL4) | 1600-20 | 16.00 x 20.00 | 12 | TT | 1,147 |
| (AFBL5) | 1600-20 | 16.00 x 20.00 | 16 | TT | 1,260 |
| (AFBL3) | 1800-25 | 18.00 x 25.00 | 12 | TL | 1,605 |
| (AFBL1) | 1800-25 | 18.00 x 25.00 | 16 | TL | 1,683 |
| (AFBL2) | 2100-25 | 21.00 x 25.00 | 16 | TL | 2,286 |
| G-1 GRADER RIB | | | | | |
| (AFBN2) | 1300-24 | 13.00 x 24.00 | 12 | TL | 596 |
| (AFBN3) | 1400-24 | 14.00 x 24.00 | 12 | TL | 746 |
| (AFBN1) | 1600-24 | 16.00 x 24.00 | 12 | TL | 1,155 |

[1] TT = Tube-Type Tires, TL = Tubeless Tires

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| G-3 ROCK GRADER | | | | | |
| (AFBO6) | 1400-24 | 14.00 x 24.00 | 16 | TL | 799 |
| (AFBO8) | 1600-24 | 16.00 x 24.00 | 16 | TL | 1,426 |
| L-2 SURE GRIP LUG XTRA TRED DOZER & LOADER | | | | | |
| (AFBQ6) | 235-25 | 23.50 x 25.00 | 12 | TL | 2,094 |
| (AFBQ7) | 235-25 | 23.50 x 25.00 | 16 | TL | 2,199 |
| (AFBQ8) | 235-25 | 23.50 x 25.00 | 20 | TL | 2,307 |
| (AFBQ9) | 265-25 | 26.50 x 25.00 | 14 | TL | 3,878 |
| (AFBQ10) | 265-25 | 26.50 x 25.00 | 20 | TL | 4,176 |
| L-3 SUPER HARD ROCK LUG D&L | | | | | |
| (AFBR3) | 235-25 | 23.50 x 25.00 | 12 | TL | 2,408 |
| (AFBR4) | 235-25 | 23.50 x 25.00 | 16 | TL | 2,524 |
| (AFBR8) | 235-25 | 23.50 x 25.00 | 20 | TL | 2,651 |
| (AFBR9) | 235-25 | 23.50 x 25.00 | 24 | TL | 2,515 |
| (AFBR10) | 265-25 | 26.50 x 25.00 | 14 | TL | 4,460 |
| (AFBR5) | 265-25 | 26.50 x 25.00 | 20 | TL | 4,805 |
| (AFBR12) | 265-25 | 26.50 x 25.00 | 26 | TL | 5,172 |
| (AFBR6) | 295-25 | 29.50 x 25.00 | 16 | TL | 5,450 |
| (AFBR7) | 295-25 | 29.50 x 25.00 | 22 | TL | 5,867 |
| (AFBR11) | 295-25 | 29.50 x 25.00 | 28 | TL | 6,317 |
| L-4 SUPER HARD ROCK LUG D&L XT / HRL DL 5A | | | | | |
| (AFBS3) | 235-25 | 23.50 x 25.00 | 16 | TL | 2,903 |
| (AFBS4) | 235-25 | 23.50 x 25.00 | 20 | TL | 3,048 |
| (AFBS5) | 265-25 | 26.50 x 25.00 | 20 | TL | 5,522 |
| (AFBS11) | 265-25 | 26.50 x 25.00 | 26 | TL | 5,947 |
| (AFBS6) | 295-25 | 29.50 x 25.00 | 22 | TL | 6,747 |
| (AFBS7) | 295-25 | 29.50 x 25.00 | 28 | TL | 7,264 |
| (AFBS8) | 295-25 | 29.50 x 25.00 | 34 | TL | 7,825 |
| (AFBS1) | 295-29 | 29.50 x 29.00 | 22 | TL | 8,564 |
| (AFBS9) | 295-29 | 29.50 x 29.00 | 28 | TL | 7,611 |
| (AFBS10) | 3325-35 | 33.25 x 35.00 | 32 | TL | 13,341 |
| L-4 NYLOSTEEL XTRA TRED D&L B/B | | | | | |
| (AFBT1) | 3565-33 | 35.65 x 33.00 | 24 | TL | 9,130 |
| (AFBT3) | 3565-33 | 35.65 x 33.00 | 30 | TL | 13,046 |
| L-5 SUPER XTRA TRED D&L | | | | | |
| (AFBU2) | 265-25 | 26.50 x 25.00 | 20 | TL | 6,899 |
| (AFBU3) | 295-25 | 29.50 x 25.00 | 22 | TL | 8,173 |
| (AFBU4) | 295-29 | 29.50 x 29.00 | 22 | TL | 8,564 |
| (AFBU5) | 295-29 | 29.50 x 29.00 | 28 | TL | 9,224 |
| (AFBU6) | 3325-35 | 33.25 x 35.00 | 32 | TL | 13,341 |
| (AFBU1) | 3725-35 | 37.25 x 35.00 | 42 | TL | 17,435 |
| (AFBU7) | 375-39 | 37.50 x 39.00 | 36 | TL | 15,070 |
| (AFBU8) | 375-39 | 37.50 x 39.00 | 44 | TL | 19,302 |
| L-5 NYLOSTEEL SUPER XTRA TRED D&L B/B | | | | | |
| (AFBV5) | 30/65-29 | 30.65 x 29.00 | 24 | TL | 8,776 |
| (AFBV6) | 35/65-33 | 35.65 x 33.00 | 24 | TL | 10,955 |
| (AFBV2) | 35/65-33 | 35.65 x 33.00 | 30 | TL | 13,046 |
| (AFBV4) | 40/65-39 | 40.65 x 39.00 | 30 | TL | 16,619 |
| (AFBV7) | 40/65-39 | 40.65 x 39.00 | 36 | TL | 17,897 |
| (AFBV8) | 4125/70-39 | 41.25 x 39.00 | 34 | TL | 18,356 |
| (AFBV1) | 45/65-45 | 45.65 x 45.00 | 38 | TL | 22,313 |
| (AFBV9) | 45/65-45 | 45.65 x 45.00 | 38 | TL | 22,313 |
| (AFBV10) | 45/65-45 | 45.65 x 45.00 | 46 | TL | 28,166 |
| (AFBV3) | 50/65-51 | 50.65 x 51.00 | 54 | TL | 31,021 |

[1] **TT = Tube-Type Tires, TL = Tubeless Tires**

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| (AFBV11) | 50/65-51 | 50.65 x 51.00 | 62 | TL | 38,789 |
| HIGHLANDER | | | | | |
| (AFCD1) | 570-8 | 5.70 x 8.00 | 6 | TL | 49 |
| HIGHLANDER CT | | | | | |
| (AFCN6) | 480-12 | 4.80 x 12.00 | 4 | TL | 33 |
| (AFCN7) | 480-12 | 4.80 x 12.00 | 6 | TL | 40 |
| (AFCN8) | 530-12 | 5.30 x 12.00 | 4 | TL | 36 |
| (AFCN9) | 530-12 | 5.30 x 12.00 | 6 | TL | 44 |
| (AFCN3) | 570-8 | 5.70 x 8.00 | 4 | TL | 35 |
| (AFCN4) | 570-8 | 5.70 x 8.00 | 6 | TL | 40 |
| (AFCN1) | 570-8 | 5.70 x 8.00 | 8 | TT | 52 |
| (AFCN5) | 690-9 | 6.90 x 9.00 | 6 | TL | 50 |
| (AFCN2) | 690-9 | 6.90 x 9.00 | 10 | TT | 81 |
| E-4 HARD ROCK LUG 4B | | | | | |
| (AFCO1) | 1600-25 | 16.00 x 25.00 | 24 | TL | 2,044 |
| (AFCO2) | 1600-25 | 16.00 x 25.00 | 28 | TL | 2,147 |
| (AFCO3) | 1800-25 | 18.00 x 25.00 | 28 | TL | 3,010 |
| (AFCO4) | 1800-25 | 18.00 x 25.00 | 32 | TL | 3,160 |
| (AFCO5) | 1800-33 | 18.00 x 33.00 | 28 | TL | 3,490 |
| (AFCO6) | 1800-33 | 18.00 x 33.00 | 32 | TL | 3,667 |
| (AFCO7) | 1800-49 | 18.00 x 49.00 | 32 | TL | 4,851 |
| (AFCO8) | 2100-35 | 21.00 x 35.00 | 36 | TL | 6,619 |
| (AFCO13) | 2100-49 | 21.00 x 49.00 | 36 | TL | 6,962 |
| (AFCO9) | 2400-35 | 24.00 x 35.00 | 30 | TL | 7,373 |
| (AFCO10) | 2400-35 | 24.00 x 35.00 | 36 | TL | 7,942 |
| (AFCO11) | 2400-35 | 24.00 x 35.00 | 42 | TL | 8,553 |
| (AFCO12) | 2400-43 | 24.00 x 43.00 | 48 | TL | 8,530 |
| (AFCO14) | 2400-49 | 24.00 x 49.00 | 42 | TL | 10,251 |
| (AFCO15) | 2400-49 | 24.00 x 49.00 | 48 | TL | 11,039 |
| (AFCO16) | 2700-49 | 27.00 x 49.00 | 42 | TL | 12,122 |
| (AFCO17) | 2700-49 | 27.00 x 49.00 | 48 | TL | 13,054 |
| (AFCO18) | 3000-51 | 30.00 x 51.00 | 46 | TL | 14,878 |
| (AFCO19) | 3300-51 | 33.00 x 51.00 | 58 | TL | 20,876 |
| (AFCO20) | 3600-51 | 36.00 x 51.00 | 50 | TL | 23,084 |
| (AFCO21) | 3600-51 | 36.00 x 51.00 | 58 | TL | 25,481 |
| (AFCO22) | 4000-57 | 40.00 x 57.00 | 68 | TL | 22,382 |
| L-2 SURE GRIP LOADER | | | | | |
| (AFCP1) | 155-25 | 15.50 x 25.00 | 8 | TL | 612 |
| (AFCP2) | 155-25 | 15.50 x 25.00 | 12 | TL | 673 |
| (AFCP3) | 175-25 | 17.50 x 25.00 | 12 | TL | 830 |
| (AFCP6) | 175-25 | 17.50 x 25.00 | 16 | TL | 912 |
| (AFCP7) | 175-25 | 17.50 x 25.00 | 20 | TL | 1,005 |
| (AFCP4) | 205-25 | 20.50 x 25.00 | 12 | TL | 1,382 |
| (AFCP5) | 205-25 | 20.50 x 25.00 | 16 | TL | 1,449 |
| (AFCP8) | 22-25 | 22.00 x 25.00 | 12 | TL | 1,519 |
| L-3 SUPER HARD ROCK LOADER | | | | | |
| (AFCQ3) | 155-25 | 15.50 x 25.00 | 12 | TL | 697 |
| (AFCQ4) | 175-25 | 17.50 x 25.00 | 12 | TL | 875 |
| (AFCQ5) | 175-25 | 17.50 x 25.00 | 16 | TL | 962 |
| (AFCQ7) | 175-25 | 17.50 x 25.00 | 20 | TL | 1,193 |
| (AFCQ1) | 205-25 | 20.50 x 25.00 | 12 | TL | 1,585 |
| (AFCQ2) | 205-25 | 20.50 x 25.00 | 16 | TL | 1,666 |
| (AFCQ6) | 205-25 | 20.50 x 25.00 | 20 | TL | 1,748 |
| L-3 SUPER HARD ROCK LUG 8 DOZER & LOADER | | | | | |
| (AFCR1) | 335-33 | 33.50 x 33.00 | 44 | TL | 10,305 |

[1] TT = Tube-Type Tires, TL = Tubeless Tires

# APPENDIX F
## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| L-3 HARD ROCK LUG 3F DOZER/LOADER | | | | | |
| (AFCS1) | 3325-35 | 33.25 x 35.00 | 50 | TL | 10,338 |
| L-5S SUPER SMOOTH XTRA TRED DOZER & LOADER | | | | | |
| (AFCT1) | 2100-25 | 21.00 x 25.00 | 32 | TL | 7,656 |
| (AFCT2) | 265-25 | 26.50 x 25.00 | 26 | TL | 7,878 |
| (AFCT3) | 295-25 | 29.50 x 25.00 | 28 | TL | 9,625 |
| L-5 HARD ROCK LUG 5C | | | | | |
| (AFCU3) | 235-25 | 23.50 x 25.00 | 20 | TL | 3,658 |
| (AFCU4) | 265-25 | 26.50 x 25.00 | 20 | TL | 6,625 |
| (AFCU5) | 295-25 | 29.50 x 25.00 | 22 | TL | 7,846 |
| (AFCU1) | 295-29 | 29.50 x 29.00 | 22 | TL | 8,222 |
| (AFCU2) | 295-29 | 29.50 x 29.00 | 28 | TL | 8,947 |
| G-2 GRADER SURE GRIP | | | | | |
| (AFCV1) | 825-20 | 8.25 x 20.00 | 6 | TT | 221 |
| (AFCV7) | 1200-24 | 12.00 x 24.00 | 8 | TL | 303 |
| (AFCV2) | 1300-20 | 13.00 x 20.00 | 10 | TT | 476 |
| (AFCV8) | 1300-24 | 13.00 x 24.00 | 8 | TL | 447 |
| (AFCV17) | 1300-24 SMOOTH | 13.00 x 24.00 | 10 | TL | 473 |
| (AFCV3) | 1300-24 | 13.00 x 24.00 | 10 | TT | 513 |
| (AFCV9) | 1300-24 | 13.00 x 24.00 | 10 | TL | 493 |
| (AFCV10) | 1300-24 | 13.00 x 24.00 | 12 | TL | 542 |
| (AFCV16) | 1300-24 | 13.00 x 24.00 | 12 | TL | 596 |
| (AFCV4) | 1300-24 | 13.00 x 24.00 | 12 | TT | 563 |
| (AFCV11) | 1400-24 | 14.00 x 24.00 | 10 | TL | 569 |
| (AFCV5) | 1400-24 | 14.00 x 24.00 | 10 | TT | 583 |
| (AFCV12) | 1400-24 | 14.00 x 24.00 | 12 | TL | 623 |
| (AFCV6) | 1400-24 | 14.00 x 24.00 | 12 | TT | 635 |
| (AFCV13) | 1400-24 | 14.00 x 24.00 | 16 | TL | 753 |
| (AFCV14) | 1600-24 | 16.00 x 24.00 | 12 | TL | 1,245 |
| (AFCV15) | 1600-24 | 16.00 x 24.00 | 16 | TL | 1,307 |
| **CONVEYOR BELTS** | | | | | |
| BELTS FOR CONVEYORS | | | | | |
| (AGAZ1) | Belt | 24.00 x 50.00 | 2 | | 858 |
| (AGAZ2) | Belt | 24.00 x 60.00 | 2 | | 1,029 |
| (AGAZ3) | Belt | 24.00 x 70.00 | 2 | | 1,200 |
| (AGAZ4) | Belt | 24.00 x 80.00 | 2 | | 1,372 |
| (AGAZ5) | Belt | 24.00 x 90.00 | 2 | | 1,544 |
| (AGAZ6) | Belt | 24.00 x 100.00 | 2 | | 1,715 |
| (AGAZ7) | Belt | 24.00 x 110.00 | 2 | | 1,887 |
| (AGAZ8) | Belt | 24.00 x 120.00 | 2 | | 2,058 |
| (AGAZ9) | Belt | 24.00 x 130.00 | 2 | | 2,229 |
| (AGAZ10) | Belt | 24.00 x 140.00 | 2 | | 2,401 |
| (AGAZ11) | Belt | 24.00 x 150.00 | 2 | | 2,573 |
| (AGAZ12) | Belt | 30.00 x 50.00 | 2 | | 1,072 |
| (AGAZ13) | Belt | 30.00 x 60.00 | 2 | | 1,286 |
| (AGAZ14) | Belt | 30.00 x 70.00 | 2 | | 1,501 |
| (AGAZ15) | Belt | 30.00 x 80.00 | 2 | | 1,715 |
| (AGAZ16) | Belt | 30.00 x 90.00 | 2 | | 1,930 |
| (AGAZ17) | Belt | 30.00 x 100.00 | 2 | | 2,144 |

[1] **TT = Tube-Type Tires, TL = Tubeless Tires**

# APPENDIX F

## TIRE DESCRIPTION AND TIRE COST (Continued)

| TIRE TYPE (EP CODE) | DESCRIPTION | SIZE | PLY | TUBE[1] | COST($) PER EACH |
|---|---|---|---|---|---|
| (AGAZ18) | Belt | 30.00 x 110.00 | 2 | | 2,359 |
| (AGAZ19) | Belt | 30.00 x 120.00 | 2 | | 2,573 |
| (AGAZ20) | Belt | 30.00 x 130.00 | 2 | | 2,787 |
| (AGAZ21) | Belt | 30.00 x 140.00 | 2 | | 3,002 |
| (AGAZ22) | Belt | 30.00 x 150.00 | 2 | | 3,216 |
| (AGAZ23) | Belt | 36.00 x 50.00 | 2 | | 1,517 |
| (AGAZ24) | Belt | 36.00 x 60.00 | 2 | | 1,820 |
| (AGAZ25) | Belt | 36.00 x 70.00 | 2 | | 2,123 |
| (AGAZ26) | Belt | 36.00 x 80.00 | 2 | | 2,426 |
| (AGAZ27) | Belt | 36.00 x 90.00 | 2 | | 2,730 |
| (AGAZ28) | Belt | 36.00 x 100.00 | 2 | | 3,033 |
| (AGAZ29) | Belt | 36.00 x 110.00 | 2 | | 3,336 |
| (AGAZ30) | Belt | 36.00 x 120.00 | 2 | | 3,640 |
| (AGAZ31) | Belt | 36.00 x 130.00 | 2 | | 3,943 |
| (AGAZ32) | Belt | 36.00 x 140.00 | 2 | | 4,246 |
| (AGAZ33) | Belt | 36.00 x 150.00 | 2 | | 4,550 |
| (AGAZ34) | Belt | 42.00 x 50.00 | 2 | | 1,770 |
| (AGAZ35) | Belt | 42.00 x 60.00 | 2 | | 2,124 |
| (AGAZ36) | Belt | 42.00 x 70.00 | 2 | | 2,478 |
| (AGAZ37) | Belt | 42.00 x 80.00 | 2 | | 2,832 |
| (AGAZ38) | Belt | 42.00 x 90.00 | 2 | | 3,186 |
| (AGAZ39) | Belt | 42.00 x 100.00 | 2 | | 3,540 |
| (AGAZ40) | Belt | 42.00 x 110.00 | 2 | | 3,894 |
| (AGAZ41) | Belt | 42.00 x 120.00 | 2 | | 4,248 |
| (AGAZ42) | Belt | 42.00 x 130.00 | 2 | | 4,602 |
| (AGAZ43) | Belt | 42.00 x 140.00 | 2 | | 4,956 |
| (AGAZ44) | Belt | 42.00 x 150.00 | 2 | | 5,310 |
| (AGAZ45) | Belt | 48.00 x 50.00 | 3 | | 2,409 |
| (AGAZ46) | Belt | 48.00 x 60.00 | 3 | | 2,891 |
| (AGAZ47) | Belt | 48.00 x 70.00 | 3 | | 3,373 |
| (AGAZ48) | Belt | 48.00 x 80.00 | 3 | | 3,855 |
| (AGAZ49) | Belt | 48.00 x 90.00 | 3 | | 4,337 |
| (AGAZ50) | Belt | 48.00 x 100.00 | 3 | | 4,818 |
| (AGAZ51) | Belt | 48.00 x 110.00 | 3 | | 5,300 |
| (AGAZ52) | Belt | 48.00 x 120.00 | 3 | | 5,782 |
| (AGAZ53) | Belt | 48.00 x 130.00 | 3 | | 6,264 |
| (AGAZ54) | Belt | 48.00 x 140.00 | 3 | | 6,746 |
| (AGAZ55) | Belt | 48.00 x 150.00 | 3 | | 7,228 |
| (AGAZ56) | Belt | 60.00 x 50.00 | 4 | | 5,153 |
| (AGAZ57) | Belt | 60.00 x 60.00 | 4 | | 6,184 |
| (AGAZ58) | Belt | 60.00 x 70.00 | 4 | | 7,215 |
| (AGAZ59) | Belt | 60.00 x 80.00 | 4 | | 8,245 |
| (AGAZ60) | Belt | 60.00 x 90.00 | 4 | | 9,276 |
| (AGAZ61) | Belt | 60.00 x 100.00 | 4 | | 10,307 |
| (AGAZ62) | Belt | 60.00 x 110.00 | 4 | | 11,337 |
| (AGAZ63) | Belt | 60.00 x 120.00 | 4 | | 12,368 |
| (AGAZ64) | Belt | 60.00 x 130.00 | 4 | | 13,399 |
| (AGAZ65) | Belt | 60.00 x 140.00 | 4 | | 14,430 |
| (AGAZ66) | Belt | 60.00 x 150.00 | 4 | | 15,460 |
| **TIRE GROUP = PERMAFOAM** | | | | | |
| TRUCK OFF HIGHWAY SERVICE | | | | | |
| (AHDB1) | 15-225 | 15.00 x 22.50 | | FOAM | 1,376 |
| (AHDB2) | 165-225 | 16.50 x 22.50 | | FOAM | 1,538 |
| (AHDB3) | 18-225 | 18.00 x 22.50 | | FOAM | 1,840 |

[1] TT = Tube-Type Tires, TL = Tubeless Tires

# 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 (WHP), and for drive tires only, the Grade Factor (GF). These factors provide a percentage reduction to the maximum tire life. Section II, Maximum Tire Life, states tire life in hours. (See paragraph 2-23.a)

**Drive Tires: Useful Tire Life = (CF x WPF x GF)**
**All Other Tires: Useful Tire Life = (CF x WPF)**

EXAMPLE *

| | 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) – Wagon, Rear Dump | | |
|---|---|---|---|
| **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 |

| | | | |
|---|---|---|---|
| **GF** | Grade Factor: (Drive Tires Only) | 0.85 | 0.75 |

FINAL TIRE WEAR FACTORS:

| **Wagon, Rear Dump (APPENDIX D, Category W15)** | | |
|---|---|---|
| Front Tire – Average = (CF = .65)(WPF-FT = .90) | 0.59 | |
| Front Tire -- Severe = (CF = .43)(WPF-FT = .90) | | 0.39 |
| Drive Tire – Average = (CF = .65)(WPF-DTR = .70)(GF = .85) | 0.39 | |
| Drive Tire – Severe = (CF = .43)(WPF-DTR = .70)(GF = .75) | | 0.22 |
| Trailing Tire – Average = (CF = .65) (WPF-TT = 1.00) | 0.65 | |
| Trailing Tire – Severe = (CF = .43) (WPF-TT = 1.00) | | 0.43 |

* Condition Factors, Wheel Position Factors, and Grade Factor from GMC Terex Guide (see parapgrah 2-23.a.) Factors are specifically for a rear dump wagon.

# APPENDIX G
# TIRE LIFE AND TIRE WEAR FACTORS

## SECTION II. MAXIMUM TIRE LIFE

Maximum tire life is used in the formula to determine tire wear cost. See paragraph 2–23.a.

| MAXIMUM TIRE LIFE | Hours |
|---|---|
| Bias Ply Tires – Off highway E4, L4, and L5 | 7,000 |
| Bias Ply Tires – All other bias tires | 5,000 |
| Radial Ply Tires – Off highway RL4 | 8,300 |
| Radial Ply Tires – All other radial tires | 6,000 |
| Conveyor Belts | 5,000 |

# APPENDIX H
# MANUFACTURER CODES

| CODE | MANUFACTURER | CODE | MANUFACTURER |
|---|---|---|---|
| AB | ALLMAND BROS. | CU | CUSCO INDUSTRIES |
| AC | ACE ENTERPRISES | DA | DARDA |
| AD | ACKER DRILL | DD | DELTA DREDGE |
| AE | AEROIL PRODUCTS | DE | DEMOLITION TECHNOLOGIES |
| AI | AMIDA | DF | DURA FLOAT |
| AK | AKERMAN | DJ | DJB/CATERPILLAR |
| AL | ALLENTOWN | DO | DOSCO |
| AM | AMERICAN CRANE | DR | DRESSER INDUSTRIES |
| AN | ATLANTIC | DS | DREDGING SUPPLY |
| AO | ALKOTA | DW | DITCH WITCH |
| AP | AMERICAN PECCO | DY | DYNAPAC |
| AQ | AQUATICS UNLIMITED | EI | EIMCO (EJC) |
| AR | AMERICAN ROAD MACHINERY | EL | ELLICOTT MACHINE |
| AS | ATLAS COPCO | ES | ESCO |
| AT | ANDERSON TUNNELING | ET | ETNYRE, E.D. |
| AV | ALIVA | EU | EUCLID/VME |
| AY | AVERY FILTER COMPANY | EX | EXCEL |
| BA | BADGER | EZ | E-Z DRILL |
| BB | BASCO | FE | FELKER/DRESSER |
| BC | BOCK | FI | FIATALLIS |
| BD | BRODERSON | FL | FLETCHER MINING |
| BE | BEEBE | FN | FORD/NEW HOLLAND |
| BG | BARBER-GREENE | FO | FORD |
| BI | BOR-IT | FR | FERGUSON |
| BK | BLAW-KNOX | FU | FURUKAWA |
| BL | BLASTRAC | GA | GRADALL |
| BO | BOMAG | GB | GAR-BRO |
| BR | BROOKVILLE MINING | GD | GARDNER DENVER |
| BS | BALDERSON | GE | GENSCO |
| BU | BUSH HOG | GF | GRIFFIN DEWATERING |
| CA | CATERPILLAR | GI | GALION/DRESSER |
| CB | CONSOLIDATED BAILING MACHINE | GL | GARLOCK |
| CC | CEMEN TECH | GM | GMC AND CHEVROLET |
| CD | CDS GROUP | GO | GOMACO |
| CE | CATERPILLAR-ATHEY | GR | GORMAN-RUPP |
| CF | CGR COMPACTING | GV | GROVE |
| CG | CHEMGROUT | HA | HAZCO |
| CH | CHAMPION | HD | HYDRAULIC POWER SYSTEMS |
| CI | CHIPMORE | HE | HENDRIX |
| CJ | COLD JET | HH | H&H PUMP & DREDGE |
| CL | CON-E-CO | HI | HITACHI |
| CM | CLEMCO | HM | H&M VIBRO, INC |
| CN | CT ENVIROMENTAL SYSTEMS | HO | HOMELITE |
| CO | COMPACTING TECHNOLOGIES | HR | HYDROCAL |
| CP | CRISAFULLI PUMP | HW | HEWITT-ROBINS |
| CR | CAMLEVER | HY | HYSTER |
| CS | CASE | IC | INTERNATIONAL CONST. EQUIP. (I.C.E) |
| CT | CLEVELAND TRENCHER | ID | INTERNATIONAL/DRESSER |

# APPENDIX H
# MANUFACTURER CODES

| CODE | MANUFACTURER | CODE | MANUFACTURER |
|---|---|---|---|
| IE | IDEAL MFG. | PH | P & H/HARNISCHFEGER |
| IG | INGRAM | PI | PIQUA ENGINEERING |
| IM | IMS (INNOVATIVE MATERIAL SYSTEMS) | PM | PULLMASTER |
| IN | INGERSOLL-RAND | PO | PROGRESSIVE DEVELOPMENT INC. |
| IS | INSLEY | PR | PERRIN |
| IT | INTERNATIONAL/NAVISTAR | PW | POWERSCREEN |
| JD | JOHN DEERE | RA | READ SCREEN-ALL |
| KA | KAWASAKI | RC | ROSS COMPANY |
| KB | KOLBERG | RE | REACH ALL |
| KE | KENWORTH | RM | ROME |
| KH | KOHLER | RN | RANGER / VME |
| KI | KLEIN | RO | ROBBINS |
| KK | KEENE ENGINEERING CO. | RS | ROSCO |
| KL | KOLMAN | SA | SAUERMAN |
| KM | KOMATSU | SC | SCHWING AMERICA |
| KN | KENT | SE | SEALMASTER |
| KO | KOEHRING | SH | SHREAD-TECH LIMITED |
| KR | KORI CORPORATION | SK | SKAGIT |
| LA | LAYTON | SM | SEAARK MARINE |
| LB | LINK BELT | SN | STEPHENS MFG. |
| LE | LELY | SO | SOUTHWEST |
| LH | LIEBHERR | SP | SPRAGUE AND HENWOOD |
| LI | LINK BELT (FMC) | ST | STOW |
| LO | LORAIN | SU | SULLIVAN |
| LU | LABOUNTY | TA | TAMPO |
| LY | LONGYEAR | TD | TADANO |
| MA | MANITOWOC | TE | TEREX |
| MB | M-B | TL | TELEDYNE |
| MC | MICHIGAN / VME | TO | TORO |
| MD | MDI/YUTANI | TR | TROJAN/O & K |
| ME | MELROE / BOBCAT | TS | TELSMITH |
| MF | MASSEY FERGUSON | UN | UNIT RIG |
| MI | MITSUBISHI | VA | VOEST-ALPINE |
| MK | MKT GEOTECHNICAL | VE | VERMEER |
| ML | MARLOW | VI | VINCE HAGAN COMPANY |
| MN | MAC CORPORATION | VO | VOLVO/VME |
| MO | MORGEN | VU | VULCAN |
| MR | MOBILE DRILL | WA | WABCO/DRESSER |
| MS | MASTER | WC | WACKER |
| MT | MACK TRUCKS | WE | WEATHERFORD/AMERICAN AERO |
| MU | MULTIQUIP | WG | WAGNER MINING |
| MX | MAXON INDUSTRIES | WL | WALKER MFG. |
| MZ | MARINE INLAND FABRICATERS | WR | WARNER FRUEHAUF |
| NL | NLB CORP | XX | NO SPECIFIC MANUFACTURER |
| NO | NORTHWEST | | |
| NP | NPK CONSTRUCTION EQUIPMENT | | |
| ON | ONAN | | |
| PE | PETERBILT | | |

# APPENDIX I

## FEDERAL COST-OF-MONEY RATE

## (Renegotiation or Prompt Payment Rate)

| | | |
|---|---|---|
| JULY - DECEMBER 1976 | 8 1/2 % | ( 8.500) |
| JANUARY - JUNE 1977 | 7 3/4 % | ( 7.750) |
| JULY - DECEMBER 1977 | 7 7/8 % | ( 7.875) |
| JANUARY - JUNE 1978 | 8 1/4 % | ( 8.250) |
| JULY - DECEMBER 1978 | 9 % | ( 9.000) |
| JANUARY - JUNE 1979 | 9 7/8 % | ( 9.875) |
| JULY - DECEMBER 1979 | 10 1/4 % | (10.250) |
| JANUARY - JUNE 1980 | 12 1/4 % | (12.250) |
| JULY - DECEMBER 1980 | 10 1/2 % | (10.500) |
| JANUARY - JUNE 1981 | 14 5/8 % | (14.675) |
| JULY - DECEMBER 1981 | 14 7/8 % | (14.875) |
| JANUARY - JUNE 1982 | 14 3/4 % | (14.750) |
| JULY - DECEMBER 1982 | 15 1/2 % | (15.500) |
| JANUARY - JUNE 1983 | 11 1/4 % | (11.250) |
| JULY - DECEMBER 1983 | 11 1/2 % | (11.500) |
| JANUARY - JUNE 1984 | 12 3/8 % | (12.375) |
| JULY - DECEMBER 1984 | 14 3/8 % | (14.375) |
| JANUARY - JUNE 1985 | 12 1/8 % | (12.125) |
| JULY - DECEMBER 1985 | 10 3/8 % | (10.375) |
| JANUARY - JUNE 1986 | 9 3/4 % | ( 9.750) |
| JULY - DECEMBER 1986 | 8 1/2 % | ( 8.500) |
| JANUARY - JUNE 1987 | 7 5/8 % | ( 7.625) |
| JULY - DECEMBER 1987 | 8 7/8 % | ( 8.875) |
| JANUARY - JUNE 1988 | 9 3/8 % | ( 9.375) |
| JULY - DECEMBER 1988 | 9 1/4 % | ( 9.250) |
| JANUARY - JUNE 1989 | 9 3/4 % | ( 9.750) |
| JULY - DECEMBER 1989 | 9 1/8 % | ( 9.125) |
| JANUARY - JUNE 1990 | 8 1/2 % | ( 8.500) |
| JULY - DECEMBER 1990 | 9 % | ( 9.000) |
| JANUARY - JUNE 1991 | 8 3/8 % | ( 8.375) |
| JULY - DECEMBER 1991 | 8 1/2 % | ( 8.500) |
| JANUARY - JUNE 1992 | 6 7/8 % | ( 6.875) |
| JULY - DECEMBER 1992 | 7 % | ( 7.000) |
| JANUARY - JUNE 1993 | 6 1/2 % | ( 6.500) |

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# APPENDIX J

## EQUIPMENT ACCESSORIES

In addition to features required for safety, the following accessories have been included with the major equipment listed in this pamphlet when they are not included with the basic cost and are offered by the manufacturer.

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

C85.20 CRANES, LIFTING,
CRAWLER MOUNTED

- Power load lowering
- Independent swing and travel
- Third drum
- Troque converter (machines 25 tons or larger)
- One–half maximum boom length
  (machines larger than 60 tons)
- Maximum boom length
  (machines larger than 60 tons)
- Counterweight

## APPENDIX J (Continued)

## EQUIPMENT ACCESSORIES

| | |
|---|---|
| H25 | EXCAVATORS, HYDRAULIC CRAWLER MOUNTED |
| | – Backhoe bucket (standard) |
| | – Backhoe stick (medium length) |
| | – Backhoe boom (one piece) |
| | – Backhoe bucket linkage (includes cylinder) |
| | – Guards |
| | – Counterweight |
| | – Alternator (heavy–duty) and lights |
| | – Tool kit |
| H35 | HYDRAULIC SHOVELS – CRAWLER MOUNTED |
| | – Power load lowering |
| | – Torque converter (machines 1–1/2 CY or larger) |
| | – Counterweight |
| L30 | LOADERS, BELT |
| | – Power unit |
| | – Head pully clutch and backstop |
| | – Belt cleaner and belt installing equipment |
| | – King pin attachment |
| L35 | LOADERS, 1–1/2 CY AND LARGER |
| L40 | – Reversible fan blade |
| | – Guard, power train |
| | – Automatic bucket positioner |
| | – Counterweight |
| | – Rock buckets (machines 4 CY or larger) |
| | – Alternator (heavy–duty) and lights |
| | – Tool kit |

## APPENDIX J (Continued)

## EQUIPMENT ACCESSORIES

C90.01 TRUCK CRANES – LESS THAN 25 TONS

- Power load loading
- Third drum
- Mechanical outriggers with screw jacks
- Maximum boom length
- Counterweight

C90.02 TRUCK CRANE – 25 TONS & LARGER
C90.03
C90.04

- Power load loading
- Third drum
- Hydraulic outriggers with screw jacks
- Torque converter when available (upper only)
- Diesel engines
- Maximum boom length
- Counterweight

G15 GRADER

- Enclosed operator cab
- Scarifier
- Front wheel lean
- Power circle
- Hydraulic shift and tilt moldboard
- End bits
- Alternator (heavy–duty) and lights
- Tool kit

## APPENDIX J (Continued)

## EQUIPMENT ACCESSORIES

| | |
|---|---|
| S10 | SCRAPERS |
| S15 | – Control single lever |
| S20 | – Reversible fan blade |
| | – Flood light |
| | – Alternator (heavy–duty) and lights |
| | – Guards, power train |
| | – Tool kit |
| T15 | TRACTOR, CRAWLER (DOZER) |
| | – Hydraulic controls for ripper and blade |
| | – Guards |
| | – Reversible fan blade |
| | – Alternator (heavy–duty) and lights |
| | – Hook, front pull |
| | – Track grousers (severe service for units over 200 hp) |
| | – Blades include counterweights where required |
| | – Tool kit |
| T20 | TRACTOR, WHEEL (DOZER) |
| | – Hydraulic controls for ripper and blade |
| | – Guards |
| | – Reversible fan blade |
| | – Alternator (heavy–duty) and lights |
| | – Blades |
| | – Counterweight |
| | – Tool kit |

## APPENDIX J (Continued)

## EQUIPMENT ACCESSORIES

| | |
|---|---|
| T55 | TRUCKS, OFF-HIGHWAY |
| | – No spin differential |
| | – Tacograph |
| | – Engine and transmission guards |
| | – Body liners |
| | – Tool kit |

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