

Appendix H

Modeling the Costs and Emissions Reductions

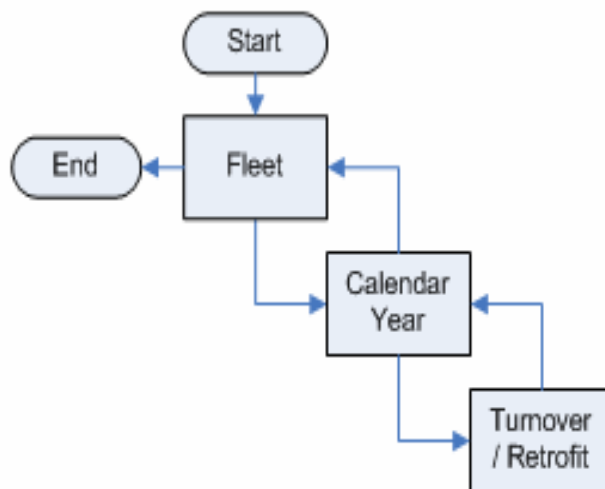
A. Introduction

This document describes a modeling tool used to estimate the costs of compliance and the NOx and PM reductions expected from the proposed in-use off-road diesel vehicle regulation. ARB staff have developed the ARB Off-road Compliance Model (model), using Access and Visual Basic, which will model a compliance strategy and the resulting costs and emissions reductions for a fleet that is subject to the proposed regulation. Staff used fleet data collected from actual construction and mining companies operating in California for use in the model. This section provides a brief description of the model, followed by a more detailed description of the model, and then the model calculations of the regulation costs and emissions benefits.

The model accepts an input parameter that determines whether it will follow the constraints of the proposed regulation or not. If the model is run following the regulation constraints, the model will generate database tables that will contain data for a “scenario” run; alternately, if the model is run with no regulation constraints, the model will generate database tables that contain data for a “baseline” run. Both the scenario and baseline runs are needed for each fleet to calculate costs of compliance and the associated emission reductions.

Under either the scenario or baseline run, the model starts with the fleet information from actual fleets for a given calendar year and then copies the fleet information for an individual fleet into the next calendar year. Then, the model starts modifying this fleet with turnover and retrofits. As mentioned, depending on an input parameter the model may follow the constraints given in the regulation while turning over and retrofitting vehicles or not, but in either case, the model will modify the fleet over time. The model then projects the fleet into the next calendar year and repeats the process for the fleet through calendar year 2030. That process is then repeated for each fleet until all fleets have been modified. The process is illustrated in Figure 1.

Figure 1: Summary Model Flowchart



At the conclusion of a model run, database tables will contain data that reflects the changes to the fleet and the cost of those changes. After both the scenario and baseline runs are complete, various database queries are run to complete the process and extract various datasets.

For example, a query is run to assign NO_x and PM emissions to each vehicle in both the scenario and baseline runs using data from the ARB's Off-road Emissions Inventory (ARB, 2006). (Note: The indices used for the fleet averages and fleet targets are only surrogates of actual vehicle emissions.) The emissions reduction for each vehicle is the difference between the vehicle's emission under the scenario run and the baseline run. The cost is the difference between a fleet's cost under the scenario run and baseline run.

The following sections describe the model in more detail including the input data used in the model, the output data, and the model procedures, logic, and the assumptions built into the model. This is followed by a more detailed description of the calculations of the regulation costs and emissions benefits

B. Input Data

The data upon which the model is run resides in the Fleet table. The Fleet table includes information on 200¹ fleets that are currently operating in California with 10,152 construction vehicles with a total of 2,163,669 horsepower. Each row in the table contains information on a distinct vehicle within a fleet including the fleet name, equipment name, vehicle model year, and vehicle horsepower. This table is supplemented with additional information as described under section D.

Some of the input data consist of lookup tables; i.e., tables that have information that doesn't change, but supplements the information in the Fleet table. Lookup tables include Class, Equipment, EquipmentHPandLife, EquipmentReplacementCost, EquipmentTierPMNO_x, FleetTarget, Inventory, and Offroad. Each of these lookup tables contain information which may be used either before, during, or after the model runs.

The Offroad table, which incorporates the ARB's Inventory data, includes 209,164 rows of data for calendar years 2000 through 2025 for the construction and mining, industrial, oil, and airport ground support equipment categories. Each row represents the statewide cumulative PM, NO_x, and other pollutants emissions and activity (hours of operation) of a particular model year of a particular vehicle or piece of equipment in a particular calendar year. For example, there is a row that contains the tons per day of NO_x, PM, and other pollutants emitted in California for all 1982 model year crawler tractors with a maximum horsepower of 175 horsepower in calendar year 2017. The row would also contain the activity, or total hours per day that all vehicles of this particular type of equipment would operate in California. More information on the ARB's California Off-road Emission Inventory can be found at <http://www.arb.ca.gov/ei/ei.htm>.

¹ The 200 fleet data was gathered from the 2003 TIAX survey (TIAX, 2003) and the ARB Off-road Equipment survey (ARB, 2005).

The Inventory table contains limited summary data from the Offroad table. This table was created to avoid the CPU overhead associated with accessing the much larger Offroad table. The Inventory table contains just 31 rows, each row containing the calendar years 2000 to 2025 totals for horsepower, population, NOx, PM, ROG, and CO for all off-road vehicles subject to the regulation.

The FleetTarget table contains the NOx and PM targets for the various horsepower engines for each calendar year for small, medium and large fleets. This is the same information that is contained in Appendix A.

The EquipmentTierPMNOx table contains the NOx and PM Index for each engine for the various model years and horsepower as shown in Appendix A. The EquipmentReplacementCost table contains the estimated cost of replacing a given equipment type of a given age in dollars per horsepower. For example, a 10 year old crawler tractor would cost \$457 per horsepower to replace. As mentioned in Chapter 11, the estimated replacement costs were derived from actual auction prices. The Class, Equipment, EquipmentHPandLife contain the equipment useful life as reflected in the ARB's Off-road Emissions Inventory. (The tables are separated to better normalize the database.)

C. Output Data

Data is output in the form of tables and queries. Output tables include FleetBase, FleetScenario, Results, and Emissions Results tables.

The FleetBase and FleetScenario both contain the same type of information; however, as described in the introduction, the actual information contained in Fleetbase reflects the model output with no regulation constraints and the FleetScenario reflects the model output with regulation constraints. Each row in these tables contains information on a specific vehicle for a given calendar year. The information includes the calendar year that the vehicle is turned over or retrofit, the relative life (i.e., useful life/(calendar year - model year)), the NOx and PM index, turnover cost for vehicles that are turned over, and the activity, NOx, PM, ROG, and CO per piece. (This is more fully described in the next section.)

Each row of the Results table contains information on an individual fleet for a given calendar year. The fleet information is an aggregate of the individual vehicle information. The fleet information includes for each calendar year the fleet NOx target, the fleet NOx average, the percent turnover, the turnover carryover, the fleet PM target, the fleet PM average, the percent retrofit, the retrofit carryover, and the aggregated turnover, repower, and retrofit costs.

The Emissions Results table contains the estimated base and scenario NOx, PM, ROG, and CO for each fleet in each calendar year from 2010 to 2025.

Output data from queries include the total annual cost to each fleet in dollars per horsepower, the statewide cost in dollars per horsepower, the statewide percent NOx

and PM reductions, the statewide tons per day reductions on NOx and PM, and the statewide relative cost of turnover, repower, and retrofits.

D. Model Procedures, Logic, and Assumptions

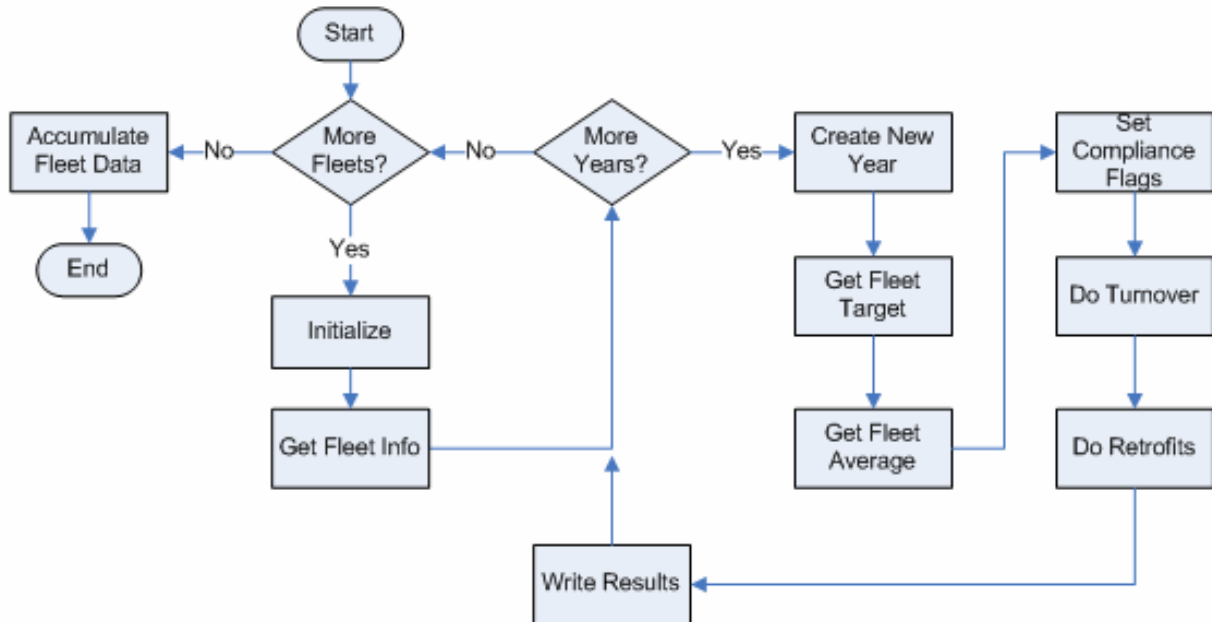
As described earlier, the Fleet table includes fleet name, equipment type, model year, horsepower, and other information. As the data reported for the fleets represented the fleet composition in 2005 and other reporting years, the model year for each piece of equipment was increased by three or more years to maintain the same aggregate fleet age in 2008 as the reporting year. The calendar year, 2008, is the starting year from which the model projects changes to the fleet in future years.

Prior to running the model, the data collected from the fleet owners is further massaged and supplemented using queries working on the Fleet table as follows. The name of each vehicle type is made consistent with the type names contained in the ARB Inventory. A query will add an “average horsepower” to the Fleet table for each vehicle (i.e., each row) to enable linking with the ARB Inventory. For example, the ARB Inventory has an average horsepower of 31, 82, 151, 207, 323, 579, and 820 horsepower for crawler tractors. If the Fleet table contains rows for crawler tractors of 137 and 455 horsepower, then the row with the 137 horsepower crawler tractor would include an entry for 151 average horsepower and the row with the 455 horsepower crawler tractor would include an entry for 323 average horsepower. The actual horsepower reported is used to calculate fleet averages, fleet targets, and costs. The average horsepower, which links to the inventory, is used to estimate emission reductions. Queries would add to each vehicle in the Fleet table a useful life for each vehicle as defined in the Inventory, a relative life, the engine tier, and the NOx and PM index.

A number of input parameters can be set within the model to control the model runs, these include a parameter to specify whether the run is to conform to the regulation or not, the retrofit rate, the life of the retrofit device, the turnover rate and other parameters specified in the regulation.

The model includes procedures that initialize variables, gets fleet information, creates new calendar years, gets the fleet targets, gets the fleet averages, sets compliance flags, modifies the fleet table with turnover and retrofits, writes the results to the database, and accumulates the fleet data. Figure 2 is a flowchart listing the model procedures and the transfer of control between the procedures as the model is run.

Figure 2 Model Procedures



The model starts with the 2008 fleets as contained in the Fleet table; if the table is not empty and it finds a fleet, it then initializes all variables (sets them to zero or other constants) for processing the new fleet.

1. Get Fleet Information and Create New Year Procedures

After all the variables are initialized, the fleet information is retrieved (i.e., it retrieves, calculates, and stores in variables the fleet total horsepower, fleet size, the age, the replacement vehicle age, natural turnover, and useful life factor).

The fleet total horsepower is simply the sum of the horsepower of all vehicles in the fleet. The model does not consider any vehicles as low use or specialty vehicles since there was no basis for designating any vehicle as such, therefore all vehicles are included in the calculation of the total horsepower (Equation 1).

$$\text{Equation 1: } TotalHorsepower = \sum_{i=1}^n Horsepower_i$$

Where n = Number of vehicles in the fleet.

From the total horsepower, the model designates the fleet as small, medium, or large.

The fleet age is a measure of the average age of the fleet as a whole. The fleet age is calculated in Equation 2.

$$\text{Equation 2: } FleetAge = \frac{\sum_{i=1}^n (CalendarYear - ModelYear_i)}{n}$$

The fleet age is used to determine the typical age of a replacement vehicle. That is, the model assumes that an older fleet would typically purchase older vehicles and a younger fleet would purchase newer vehicles. Also, the model assumes that fleet owner business practices would change under the regulation, with fleet owners buying slightly newer vehicles as shown in Table 1.

Table 1: Replacement Vehicle Age By Fleet Age

Fleet age	Replacement Vehicle Age Baseline	Replacement Vehicle Age Scenario
< 8	0	0
8 to < 12	2	1
12 to < 16	4	2
16 to < 20	6	3
20 plus	8	4

The natural turnover is a measure of how frequently a fleet replaces its vehicles in the course of its normal business practice. The natural turnover is calculated in Equation 3.

$$\text{Equation 3: } NaturalTurnover = \frac{TotalHorsepower}{\sum_{i=1}^n Horsepower_i * UsefulLife_i}$$

Where: UsefulLife is looked up from the EquipmentHPandLife table. (The useful life is the age at which 50% of a particular vehicle type is scrapped.)

The useful life factor is used to adjust the natural turnover to account for fleets that keep their vehicles either shorter or longer than the useful life specified in the ARB's Inventory; the useful life factor is calculated in Equation 4.

$$\text{Equation 4: } UsefulLifeFactor = \frac{\sum_{i=1}^n Horsepower_i * (CalendarYear - ModelYear_i) / UsefulLife_i}{2 * TotalHorsepower}$$

And the adjusted natural turnover is calculated in Equation 5.

$$\text{Equation 5: } \text{NaturalTurnoverAdjusted} = \frac{\text{NaturalTurnover}}{\text{UsefulLifeFactor}}$$

After the model gets the fleet information, it then copies the fleet information into the fleet table but as the next calendar year.

2. Get Fleet Target, Get Fleet Average, Set Compliance Flags Procedures

Using the fleet equipment model year and horsepower, the model will look up the emissions targets as outlined in the rule and the associated emissions factors for the respective engines. The model will calculate the Fleet Targets and Fleet Average using Equation 6 and Equation 7.

$$\text{Equation 6: } \text{FleetTarget} = \frac{\sum \text{Horsepower} * \text{EmissionTarget}}{\text{TotalHorsepower}}$$

$$\text{Equation 7: } \text{FleetAverage} = \frac{\sum \text{Horsepower} * \text{EmissionFactor}}{\text{TotalHorsepower}}$$

After the model has calculated the fleet NOx and PM averages and targets, the model will compare them and set compliance flags, i.e., it will set certain variables that will determine whether the turnover and retrofit procedures are executed. If the NOx compliance flag is set to false, then the model will attempt to turnover vehicles until the fleet does meet the NOx fleet target. If the PM compliance flag is set to false, then the model will attempt to retrofit vehicles until the fleet does meet the PM fleet target.

The model will do all turnover before it begins retrofitting, this is because turnover will reduce both NOx and PM, whereas retrofits (assuming retrofits do not control NOx) will only reduce PM.

3. Do Turnover Procedure

The model assumes that a fleet will turn over vehicles under both the baseline and scenario runs but likely at different rates. The model defines an average natural turnover that describes turnover of fleets not subject to the regulation but as a matter of usual business practices. The average natural turnover is calculated using Equation 8.

Equation 8:

$$\text{AverageNaturalTurnover} = \text{NaturalTurnoverAdjusted} * (\text{CalendarYear} - 2008) - \sum \text{PreviousTurnover}$$

Where: PreviousTurnover = The turnover rate in previous years from 2008 to the year prior to the current calendar year.

Whereas, the natural turnover rate is a function of the fleet age and will vary considerably for different fleets but is unique for a given fleet, the forced turnover rate, i.e., the 8 or 10 percent specified by the regulation is fixed. In cases where a fleet is forced to turnover at a rate faster than its usual business practices due to the regulation, the model assumes that after the fleet meets the NOx fleet average that it would not immediately return to its natural turnover rate but would wait before beginning turnover until its average turnover for the cumulative years was less than its natural turnover rate.

For the scenario run, the model recognizes four possible permutations of natural vs forced turnover rates for fleets that meet or do not meet fleet targets and the resulting turnover rate used by the model.

1.) Fleets for which Natural Turnover > Forced Turnover Rate

a.) While a fleet does not meet the NOx fleet target

$$\text{Turnover Rate} = \text{Natural Turnover}$$

b.) When a fleet does meet the NOx fleet target

$$\text{Turnover Rate} = \text{Natural Turnover}$$

2.) Fleets for which Natural Turnover = < Forced Turnover Rate

a.) While a fleet does not meet the NOx fleet target

$$\text{Turnover Rate} = \text{Forced Turnover}$$

b.) When a fleet does meet the NOx fleet target

$$\text{Turnover Rate} = \max[\text{Average Natural Turnover}, 0]$$

However, since the natural turnover = average natural turnover for fleets that have a natural turnover > forced turnover, the four permutations are equivalent to:

1.) While a fleet meets the NOx fleet target

$$\text{Turnover Rate} = \text{Maximum}[\text{Average Natural Turnover}, 0]$$

2.) While a fleet does not meet the NOx fleet target

$$\text{Turnover Rate} = \text{Maximum}[\text{Average Natural Turnover}, \text{Forced Turnover}]$$

For example:

Say Fleet C has a natural turnover of 6% and is a medium fleet not subject to a NOx fleet average until 2013 and it takes two years, 2013 and 2014 at 10% turnover to meet the fleet average, then the model would calculate the turnover as follows (Table 2):

Table 2: Model Calculated Turnover

Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Percent Turnover	6	6	6	6	10	10	0	4	6	6

For example the turnover rate would be calculated as:

$$\begin{aligned} \text{Turnover Rate (2015)} &= \text{Max}[6 * 7 \text{ years} - 44(\text{sum of previous turnover}), 0] \\ &= \text{Max}[-2, 0] = 0 \end{aligned}$$

$$\text{Turnover Rate (2016)} = \text{Max}[6 * 8 \text{ years} - 44(\text{sum of previous turnover}), 0] = 4$$

$$\text{Turnover Rate (2017)} = \text{Max}[6 * 9 \text{ years} - 48(\text{sum of previous turnover}), 0] = 6$$

The model excludes vehicles that are exempt under the regulation from the pool of vehicles subject to turnover; i.e., vehicles less than 10 years old, Tier 4 vehicles and before 2013, Tier 1 or newer vehicles. From the pool of eligible vehicles, the model will rank them by Tier and then by relative age, where relative age is calculated using Equation 9.

$$\text{Equation 9: } \text{RelativeAge} = \frac{\text{CalendarYear} - \text{ModelYear}}{\text{UsefulLife}}$$

From the vehicle ranking, the model will select the lowest tier and relative oldest vehicle for turnover or repower.

The model will treat the emissions reductions associated with a repower and a replacement as equivalent, i.e, replacing an older vehicle with a 2010 vehicle will reduce the same amount of emissions as replacing the engine in an older vehicle with a 2010 engine. Upon replacement or repower, the model updates the PM and NOx index, the model year, tier, and the relative age associated with the vehicle. The model assumes that any retrofit device is removed upon repower or replacement.

For the purposes of calculating the costs associated with repowers and replacements, the model assumes that any vehicle that is relatively new, over 250 horsepower, and not a tier 4 will be repowered rather than replaced. The variable *vearly* is used as a measure of vehicles that are considered relatively new; *vearly* is calculated using Equation 10.

$$\text{Equation 10: } \text{vearly} = \text{ModelYear} + (\text{UsefulLife} * \text{UsefulLifeFactor}) - \text{CalendarYear}$$

The model has an input parameter set to 10 years and assumes that if *vearly* >= 10 years then the vehicle would be repowered (if over 250 hp and not a tier 4). For example, a 300 horsepower 1996 crawler tractor in calendar year 2017 with a useful life factor of 1.5 would have:

$$v\text{early} = 1996 + (29 * 1.5) - 2017 = 22.5$$

Since, in this case, $v\text{early} > 10$, the vehicle would preferentially be repowered rather than replaced.

Using an input parameter set to \$270 per horsepower, the calculation for the cost to repower a vehicle is shown in Equation 11.

$$\text{Equation 11: } \text{Cost of Repower} = \$270 * \text{Horsepower}$$

The equations used for calculating accelerated turnover are shown in Chapter 11.

Since tier 4s are likely to have an engine manufacturer installed retrofit to meet the new engine PM standards, turnover to a tier 4 is assumed to have a cost premium equal to the cost of a retrofit for a similar sized engine which is added to the turnover cost. These costs are shown in the next section, the discussion of retrofits.

The Turnover Procedure inserts into the Fleet table the turnover cost for each vehicle turned over and records the calendar year the vehicle is turned over. Also, the Turnover Procedure inserts new tier, PM and NOx indexes into the Fleet table looked up from EquipmentTierPMNOx table, then recalculates the fleet NOx average and resets the compliance flags after each engine is turned over or repowered. If the fleet still does not meet the fleet NOx targets and there are still vehicles eligible for turnover or repower, then the procedure repeats the turnover process until the fleet either meet the fleet NOx target, the fleet hits the maximum required turnover, or there are no more vehicles eligible for turnover or repower.

In instances where a fleet turns over more horsepower than is required, the model will accumulate and track turnover carryover for the fleet. Carryover will accrue when the last vehicle required to be turned over does not match exactly the maximum horsepower required to be turned over, i.e., the 8 or 10 percent or when a fleet for other business purposes turns over more than required. The turnover carryover can be used in subsequent years to meet the maximum horsepower required to be turned over.

Typically, the turnover carryover is negligible for medium and large fleets. Small fleets are not subject to the turnover requirements.

4. Do Retrofit Procedure

The model assumes that fleets will not retrofit any vehicles under the baseline run nor when a fleet meets the PM target. Retrofits are assumed to be driven solely by the regulation; i.e., the model assumes the fleet owner has no motivation to retrofit in the absence of the regulation. Hence, unlike the turnover rate, the retrofit rate is fixed at 20 percent. The model will retrofit eligible vehicles as long as a fleet does not meet the PM target or if it has not yet retrofitted at least 20 percent of its fleet horsepower.

The model excludes vehicles that are exempt under the regulation from the pool of vehicles subject to retrofit; i.e., vehicles less than five years old, tier 4s, and vehicles already equipped with a retrofit.

The model assumes that retrofits are all Level 3 devices that achieve at least 85% PM control. The model assumes a retrofit cost as shown in Table 3; retrofit operating and maintenance cost are calculated off-model as described in Appendix J.

Table 3: Cost of Retrofits

Vehicle Horsepower	Cost of Retrofit
< 50	\$8,000
50 to < 175	\$12,000
175 to < 400	\$18,000
400 plus	\$30,000

The Retrofit Procedure inserts into the Fleet table the retrofit cost for each vehicle turned over, inserts a PM factor in a field in the Fleet table which reduces the PM attributed to the vehicle, and records the calendar year the vehicle is retrofit. The Retrofit Procedure then recalculates the fleet PM average and resets the compliance flags after each engine retrofit. If the fleet still does not meet the fleet PM targets and there are still vehicles eligible for retrofit, then the procedure repeats the retrofit process until the fleet either meet the fleet PM target, hits the maximum required retrofit, or there are no more vehicles eligible for retrofit.

Retrofit carryover, similar to turnover carryover, accumulates as the last vehicle to be retrofit exceeds the maximum required or due to business practices that retrofit more horsepower than is required. The retrofit carryover for medium and large fleets is typically negligible. On the other hand, retrofit carryover may be significant for small fleets, and indeed, the carryover provisions were developed to accommodate the needs of the small fleets.

For example, if a small fleet with just three older vehicles, all at 333 horsepower, did not meet the PM target, then in 2015 the fleet would be required to retrofit one vehicle representing approximately 33% of the fleet horsepower accruing 13% retrofit carryover in excess of the 20% required. If the fleet does not meet the PM fleet target in 2016 it will have to once again retrofit since the retrofit carryover not meet the required 20% maximum retrofit. After retrofitting a second engine in 2016, the fleet would have accrued 26% retrofit carryover credit which could be used in 2017 in lieu of meeting the PM fleet target. Although this example is not likely, it is provided to illustrate how the model would utilize retrofit carryover.

5. Write Results and Accumulate Fleet Data Procedures

All of the preceding turnover and retrofit would be modeled for a given calendar year on multiple vehicles for a specific fleet. All of the vehicle data would be recorded in the Fleet table.

After the model repeats the procedure for turnover until the fleet meets the NOx fleet average, or the fleet hits its maximum required 8 or 10% turnover, or there are no eligible engines the model transfer control to the retrofit procedure. After the model repeats the procedure for retrofit until the fleet meets the PM fleet average, or the fleet hits its maximum required 20% turnover, or there are no eligible engines the model transfer control to the Write Results procedure.

The Write Results Procedure records a snapshot of the entire Fleet for a given calendar year in the Results table. The model records for the calendar year the final NOx and PM fleet averages, the percent turn over and retrofit, any carryover, as well as annual turn over, repower, and retrofit costs. The model calculates the present value annual costs (Equation 15) using Equation 12 through Equation 14.

$$\text{Equation 12: } PV_{\text{AnnualTurnoverCost}} = \sum \text{TurnoverCost} * (1.05)^{-(\text{CalendarYear}-2006)}$$

$$\text{Equation 13: } PV_{\text{AnnualRepowerCost}} = \sum \text{RepowerCost} * (1.05)^{-(\text{CalendarYear}-2006)}$$

$$\text{Equation 14: } PV_{\text{AnnualRetrofitCost}} = \sum \text{RetrofitCost} * (1.05)^{-(\text{CalendarYear}-2006)}$$

Equation 15:

$$PV_{\text{AnnualCost}} = PV_{\text{AnnualTurnoverCost}} + PV_{\text{AnnualRepowerCost}} + PV_{\text{AnnualRetrofitCost}}$$

After the Write Results Procedure passes control, the model will iterate through all of the calendar years for a selected fleet through 2025. Then, the model will look for another fleet in the Fleet table and repeat the process. After all fleets in the Fleet table have been processed, the model passes control to the final procedure which simply copies all of the data in the Fleet table to either the FleetBase table or the FleetScenario table depending on the setting of the input parameter designating whether the run was a baseline run or scenario run.

E. Calculation of the Regulation Costs and Emissions Benefits

The preceding sections described the procedures executed by the model; the following section describes queries that are stored in the database that are executed manually. These queries extract more information from the data generated by the model, such as costs and emissions benefits and scale the model results to the statewide level.

During the last procedure of the baseline run, data is copied from the Fleet table to the Fleetbase table. Each of the rows contains information on a specific vehicle for a given calendar year under the baseline. Similarly, the FleetScenario table contains vehicle information representing the scenario.

After both the scenario run and the baseline run are completed, the Fleetbase and Fleetscenario tables are supplement with information contained in the Offroad table by executing several queries manually. As described earlier, the Offroad table contains

statewide cumulative NOx and PM emissions for each model year and type of off-road vehicle. The query, “Insert Activity Nox and PM Base”, will attempt to link each row of the fleetBase table with a row in the Offroad table. The query inserts activity per piece and NOx and PM emission per piece. The activity per piece is calculated using Equation 16.

Equation 16: $ActivityPerPiece = StatewideActivity / Population$

Where: Population - The number of vehicles of a given type, horsepower, and model year in California for a given calendar year.

The NOx and PM per piece is similarly calculated simply dividing by the population. Another query, “Insert Activity Nox and PM Scenario” will also insert information on the activity per piece, and NOx and PM emission per piece in the Fleetscenario table.

The query “Adjust Emissions with Activity” then calculates the baseline and scenario NOx and PM emissions for each fleet for each calendar year. It calculates the baseline NOx emissions for a fleet using Equation 17:

Equation 17: $BaselineFleetNOxEmissions = \sum_{i=1}^n BaselineNOxPerPiece_i$

On the other hand, the scenario NOx emissions for a fleet are calculated in Equation 18:

Equation 18:

$ScenarioFleetNOxEmissions = \sum_{i=1}^n ScenarioNOxPerPiece_i * \frac{ActivityPerPiece_{Baseline}}{ActivityPerPiece_{Scenario}}$

The ratio of the baseline to scenario activity is needed to adjust for the different activities associated with a newer and older vehicle. The emissions inventory, and the Offroad table, include tons per day of NOx emissions for a class of vehicles for a given model year. Associated with the emissions of an older vehicle is a lower number of hours of operation per day than the hours of operation of a newer vehicle with its associated emissions. To keep the total fleet hours of operation constant and to avoid inadvertently increasing the assumed number of hours of operation when a vehicle is turned over to a newer vehicle, the activity is proportioned.

Using this ratio is a conservative approach since it does not reflect what would likely happen in actual practice, i.e., a newer vehicle would be used more hours than the older vehicle being replaced and the remaining vehicles that were older than the new vehicle would be used less. By using the remaining older and dirtier vehicles less, emissions reductions would be even greater than assuming the new vehicle would be used so little as calculated using this method.

The query “Make Results Emissions table” works off of the “Adjust Emissions with Activity” query and makes the Results Emissions table, inserting into the table the baseline, scenario, reductions, and the percent reductions for NOx, PM, ROG, and CO. The reductions are calculated using Equation 19.

$$\text{Equation 19: } \text{Reductions} = \text{BaselineEmissions} - \text{ScenarioEmissions}$$

And the percent reductions are calculated with Equation 20.

$$\text{Equation 20: } \text{Percent Reductions} = \frac{(\text{BaselineEmissions} - \text{ScenarioEmissions})}{\text{BaselineEmissions}}$$

The query “Total Annual Cost” works off of the “Total Annual Cost Baseline” query and the “Total Annual Cost Scenario” query. The baseline and scenario query add all of the PVAnnualCosts that were stored in the Results table for each fleet for the calendar years 2010 through 2025. The total annual cost provides a dollar per horsepower cost for each fleet and is calculated using Equation 21.

$$\text{Equation 21: } \text{PVTotAnnulCost} = \frac{\sum_{i=1}^n \text{PVTotAnnulCost}_{\text{scenario}} - \sum_{i=1}^n \text{PVTotAnnulCost}_{\text{baseline}}}{\text{TotalHorsepower}}$$

For the purposes of calculating the regulation costs and emissions benefits a sample of 22 fleets from the 200 fleets was selected (the 22 fleets are described in more detail in Section F). The parameters upon which the fleets were selected were the fleet age and the fleet size. Prior analysis had shown a direct relationship between fleet age and the cost of compliance on a dollar per horsepower basis with older fleets having a higher cost of compliance than newer fleets. Also, the different requirements imposed on fleets of different size by the proposed regulation would impose different costs and achieve different benefits on different size fleets. Accordingly, fleets from the 200 fleets were divided into age bins of 0 to 4, 4 to 8, 8 to 12, 12 to 16, 16 to 20, and 20 plus average fleet age and at least one small, medium, and large fleet was selected for each age bin.

Table 4 represents the percent horsepower distribution (by average age and fleet size) of fleets compiled from data from over 200 fleets. The weighting for each age and size bin was calculated using Equation 22.

$$\text{Equation 22: } \text{PercentAgeSizeBin} = \frac{\sum \text{TotalHorsePower}(\text{AllFleetsInAgeSizeBin})}{\sum \text{TotalHorsePower}(\text{All200Fleets})}$$

Table 4: Horsepower Distribution by Fleet Age

Percent Horsepower Distribution in the Two Hundred Fleets						
Fleet Size	Average Fleet Age					
	0-3.999	4-7.999	8-11.999	12-15.999	16-19.999	20+
Small	0.04%	0.36%	0.65%	0.65%	0.57%	0.37%
Medium	0.07%	0.53%	1.02%	0.22%	1.49%	1.29%
Large	0.58%	15.43%	32.41%	26.66%	15.69%	1.96%

The 200 fleets were assumed to represent the statewide fleet, thus the statewide costs and benefits were estimated by taking a weighted average of the costs and benefits of the 22 fleets. Each selected fleet within an age size bin was assumed to be representative of the age size bin as a whole and therefore the percent age size bin was taken as the weighting factor for the fleet. The statewide percent reductions in NOx and PM emissions for each calendar year were calculated using Equation 23.

$$\text{Equation 23: } \text{PercentStatewide Reductions} = \sum_{i=1}^{22} \text{Percent Reductions}_i * \text{PercentAgeSizeBin}_i$$

The statewide reductions in NOx and PM emissions for each calendar year were calculated using Equation 24.

$$\text{Equation 24: } \text{Statewide Reductions} = \text{PercentStatewide Reductions} * \text{StatewideInventory}$$

The statewide dollar per horsepower cost was calculated using Equation 25.

$$\text{Equation 25: } \text{StatewideCostPerHorsepower} = \sum_{i=1}^{22} \text{PVTTotalAnnualCost}_i * \text{PercentAgeSizeBin}_i$$

The cost of the regulation was calculated using Equation 26.

$$\text{Equation 26: } \text{StatewideCost} = \text{StatewideCostPerHorsepower} * \text{TotalStatewideHorsePower}$$

Where: TotalStatewideHorsePower = From the ARB Off-Road Inventory (ARB, 2006).

Additional cost methodology, such as calculating the costs for operation and maintenance of retrofit devices, are presented in Appendix J.

F. Sample Fleets Selected From the Two Hundred Fleets

The 22 fleets selected from the 200 fleets were selected based on the fleet age and size. At least one fleet was selected from each age and size bin as described earlier. In some cases two fleets were selected either to reduce the total weighting for a single

fleet or because further analysis was needed on specific fleets for other purposes. Table 5 lists the Fleet ID for each fleet selected within each age and size bin.

Table 5: Fleet Age and Fleet Size for Fleets

Fleet ID						
Fleet Size	Average Fleet Age					
	0-3.999	4-7.999	8-11.999	12-15.999	16-19.999	20+
Small	1	4	8, 9	13	17	20
Medium	2	5	10	14	18	21
Large	3	6,7	11, 12	15,16	19	22

Table 6 provides a summary of the total horsepower and total population for each of the selected fleets.

Table 6: Summary Information on the 22 Selected Fleets

Fleet ID	Fleet Average Age	Total Horsepower	Total Population
1	3.3	206	3
2	1.0	1,592	13
3	2.6	12,520	175
4	5.7	255	3
5	6.7	2,928	23
6	6.7	181,927	758
7	5.4	7,607	43
8	11.3	324	4
9	11.0	391	5
10	8.9	4,248	37
11	9.3	17,695	76
12	8.9	14,067	102
13	14.5	1,393	12
14	16.1	3,717	20
15	13.4	105,455	223
16	13.5	135,327	288
17	16.2	654	5
18	17.6	1,782	17
19	17.2	137,496	296
20	23.2	882	6
21	23.6	2,990	14
22	20.8	36,633	88

From the 200 fleets, Table 7 and Table 8 provide fleet information for the medium and large fleets and the small fleets respectively including average age, total horsepower and total vehicle population. The combined total population of the 200 fleets is 10,152

vehicles representing 2,163,669 horsepower. (Note: The fleet ID from the 22 fleets does not correspond to the fleet ID for the 200 fleets.)

Table 7: Fleet Information for Medium and Large Fleets

Fleet	Average Age	Total HP	Total Population
1	1.0	1,592	13
2	2.6	12,520	175
3	4.1	15,525	58
4	5.1	6,101	31
5	5.4	7,607	43
6	6.6	4,366	38
7	6.7	2,928	23
8	6.7	181,927	758
9	6.9	5,484	48
10	6.9	5,484	48
11	7.4	2,510	24
12	7.5	1,705	12
13	7.8	81,307	289
14	7.9	19,078	107
15	7.9	11,314	67
16	8.0	2,309	18
17	8.6	11,639	48
18	8.7	2,563	24
19	8.9	14,067	102
20	8.9	4,248	37
21	8.9	9,543	52
22	9.1	4,245	24
23	9.2	10,947	78
24	9.3	17,695	76
25	9.4	182,073	663
26	9.5	5,106	34
27	9.6	9,644	53
28	10.2	21,716	160
29	10.8	48,216	320
30	10.9	1,580	16
31	11.1	109,816	904
32	11.4	8,863	105
33	11.4	19,554	68
34	11.6	211,174	1,046
35	11.7	3,254	24
36	11.8	3,848	23
37	11.8	5,580	42
38	11.9	5,547	22
39	11.9	10,137	73
40	13.0	78,694	242

Fleet	Average Age	Total HP	Total Population
41	13.2	113,847	229
42	13.3	129,070	1,100
43	13.4	105,455	223
44	13.5	135,327	288
45	13.7	5,112	34
46	15.0	2,318	26
47	15.3	9,342	75
48	15.3	2,510	15
49	16.1	3,717	20
50	16.3	2,765	23
51	16.4	7,265	59
52	16.5	2,669	17
53	16.5	12,027	86
54	16.7	2,332	18
55	17.1	1,639	14
56	17.2	137,496	296
57	17.3	1,696	13
58	17.6	4,242	33
59	17.6	1,782	17
60	17.9	2,560	9
61	17.9	6,816	52
62	18.0	4,039	36
63	18.1	28,145	69
64	18.4	1,640	15
65	18.7	5,593	50
66	19.0	35,368	101
67	19.1	47,867	114
68	19.4	41,759	101
69	19.8	17,237	73
70	19.9	3,103	27
71	20.8	36,633	88
72	20.9	2,120	18
73	22.0	4,072	35
74	23.3	4,595	35
75	23.5	5,716	42
76	23.6	2,990	14
77	23.7	4,198	34
78	23.8	3,416	23
79	26.4	4,560	44
80	27.4	2,007	20

Table 8: Fleet Information for the Small Fleets

Fleet	Average Age	Total HP	Total Population
1	2.0	77	1
2	2.5	244	2
3	3.3	206	3
4	3.5	176	2
5	3.5	190	2
6	4.3	740	9
7	5.0	225	2
8	5.0	147	2
9	5.4	341	5
10	5.5	174	2
11	5.6	479	5
12	5.7	235	3
13	5.7	255	3
14	5.8	482	4
15	6.0	205	1
16	6.5	282	4
17	6.6	562	7
18	6.9	746	9
19	7.0	157	2
20	7.5	234	2
21	7.7	230	3
22	7.8	833	8
23	7.8	1,356	16
24	8.0	75	1
25	8.5	465	4
26	8.5	120	2
27	8.5	1,351	12
28	8.6	998	7
29	8.8	404	4
30	9.0	317	3
31	9.2	765	5
32	9.3	332	4
33	9.7	240	3
34	9.8	286	4
35	10.0	1,435	12
36	10.0	142	1
37	10.5	165	2
38	10.6	689	7
39	10.7	437	6
40	11.0	67	1
41	11.0	150	2
42	11.0	75	1
43	11.0	391	5

Fleet	Average Age	Total HP	Total Population
44	11.2	835	11
45	11.2	1,167	13
46	11.3	324	4
47	11.3	204	3
48	11.5	804	6
49	11.8	559	6
50	11.9	1,351	11
51	12.0	296	4
52	12.0	365	3
53	12.0	176	2
54	12.1	888	9
55	12.3	309	3
56	12.8	300	4
57	12.8	542	6
58	13.5	185	2
59	13.5	298	4
60	13.8	600	8
61	14.0	400	5
62	14.0	135	2
63	14.0	285	4
64	14.0	127	2
65	14.1	793	7
66	14.3	383	4
67	14.3	624	6
68	14.4	1,068	7
69	14.5	1,393	12
70	14.5	152	2
71	15.0	71	1
72	15.0	142	1
73	15.0	352	4
74	15.0	242	2
75	15.1	971	9
76	15.3	395	3
77	15.3	320	3
78	15.5	245	4
79	15.6	475	7
80	15.8	627	9
81	15.9	921	7
82	16.0	782	9
83	16.0	488	5
84	16.2	654	5
85	16.3	245	4
86	16.3	279	4
87	16.5	220	2

Fleet	Average Age	Total HP	Total Population
88	16.8	285	4
89	17.0	370	5
90	17.2	1,445	13
91	17.5	240	2
92	17.5	155	2
93	17.6	1,269	14
94	17.6	1,399	11
95	18.0	75	1
96	18.8	486	4
97	19.0	448	5
98	19.0	623	9
99	19.0	278	2
100	19.0	490	3
101	19.3	623	4
102	19.7	844	6
103	19.8	545	4
104	20.5	790	8
105	20.9	1,141	12
106	21.0	192	2
107	21.5	176	2
108	21.8	546	5
109	23.0	112	2
110	23.1	1,279	13
111	23.2	882	6
112	23.3	455	4
113	23.7	270	3
114	24.0	55	1
115	25.0	50	1
116	26.0	125	2
117	28.0	52	2
118	28.6	1,336	10
119	32.5	175	2
120	35.5	435	2

Table 9 summarizes the vehicle information for the 22 fleets.

Table 9: Summary of 22 Fleet Vehicle Information

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
Fleet 1					
2008	1	5233	RUBBER TIRED LOADERS	2006	73
2008	1	5234	TRACTORS/LOADERS/BACKHOES	2004	73
2008	1	5235	TRACTORS/LOADERS/BACKHOES	2004	60
Fleet 2					

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	2	4754	RUBBER TIRED LOADERS	2008	137
2008	2	4755	TRACTORS/LOADERS/BACKHOES	2008	74
2008	2	4756	EXCAVATORS	2008	137
2008	2	4757	TRACTORS/LOADERS/BACKHOES	2008	137
2008	2	4758	TRACTORS/LOADERS/BACKHOES	2008	137
2008	2	4759	TRACTORS/LOADERS/BACKHOES	2008	137
2008	2	4760	EXCAVATORS	2008	237
2008	2	4761	RUBBER TIRED LOADERS	2008	237
2008	2	4762	RUBBER TIRED LOADERS	2008	137
2008	2	4763	OTHER CONSTRUCTION EQUIPMENT	2005	37
2008	2	4764	OTHER CONSTRUCTION EQUIPMENT	2008	37
2008	2	4765	OTHER CONSTRUCTION EQUIPMENT	2003	74
2008	2	4766	OTHER CONSTRUCTION EQUIPMENT	2003	74
Fleet 3					
2008	3	344	ROLLERS	2001	37
2008	3	345	ROLLERS	2001	37
2008	3	473	CRAWLER TRACTORS	2007	67
2008	3	548	RUBBER TIRED DOZERS	2004	75
2008	3	549	RUBBER TIRED DOZERS	2006	75
2008	3	550	RUBBER TIRED DOZERS	2007	75
2008	3	551	RUBBER TIRED DOZERS	2007	84
2008	3	552	RUBBER TIRED DOZERS	2001	90
2008	3	553	RUBBER TIRED DOZERS	2008	90
2008	3	554	RUBBER TIRED DOZERS	2006	115
2008	3	836	EXCAVATORS	2003	25
2008	3	837	EXCAVATORS	2005	25
2008	3	838	EXCAVATORS	2006	25
2008	3	839	EXCAVATORS	2007	29
2008	3	840	EXCAVATORS	2008	29
2008	3	841	EXCAVATORS	2008	29
2008	3	842	EXCAVATORS	2008	29
2008	3	843	EXCAVATORS	2008	29
2008	3	844	EXCAVATORS	2008	30
2008	3	845	EXCAVATORS	2007	32
2008	3	846	EXCAVATORS	2003	37
2008	3	847	EXCAVATORS	2003	37
2008	3	848	EXCAVATORS	2003	37
2008	3	849	EXCAVATORS	2003	37
2008	3	850	EXCAVATORS	2005	38
2008	3	851	EXCAVATORS	2007	43
2008	3	852	EXCAVATORS	2008	141
2008	3	1758	RUBBER TIRED LOADERS	2005	130
2008	3	1759	RUBBER TIRED LOADERS	2006	131
2008	3	1760	RUBBER TIRED LOADERS	2006	160

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	3	1761	RUBBER TIRED LOADERS	2008	185
2008	3	1309	GRADERS	2007	138
2008	3	1739	RUBBER TIRED LOADERS	2001	75
2008	3	1740	RUBBER TIRED LOADERS	2001	75
2008	3	1741	RUBBER TIRED LOADERS	2001	75
2008	3	1742	RUBBER TIRED LOADERS	2001	75
2008	3	1743	RUBBER TIRED LOADERS	2007	75
2008	3	1744	RUBBER TIRED LOADERS	2007	75
2008	3	1745	RUBBER TIRED LOADERS	2008	75
2008	3	1746	RUBBER TIRED LOADERS	2008	75
2008	3	1747	RUBBER TIRED LOADERS	2008	75
2008	3	1748	RUBBER TIRED LOADERS	2008	75
2008	3	1749	RUBBER TIRED LOADERS	2008	75
2008	3	1750	RUBBER TIRED LOADERS	2008	75
2008	3	1751	RUBBER TIRED LOADERS	2008	75
2008	3	1752	RUBBER TIRED LOADERS	2008	75
2008	3	1753	RUBBER TIRED LOADERS	2008	75
2008	3	1754	RUBBER TIRED LOADERS	2008	75
2008	3	1755	RUBBER TIRED LOADERS	2008	75
2008	3	1756	RUBBER TIRED LOADERS	2008	75
2008	3	1757	RUBBER TIRED LOADERS	2008	101
2008	3	86	TRACTORS/LOADERS/BACKHOES	2001	75
2008	3	87	TRACTORS/LOADERS/BACKHOES	2001	75
2008	3	88	TRACTORS/LOADERS/BACKHOES	2001	75
2008	3	89	TRACTORS/LOADERS/BACKHOES	2003	83
2008	3	90	TRACTORS/LOADERS/BACKHOES	2004	83
2008	3	91	TRACTORS/LOADERS/BACKHOES	2005	85
2008	3	92	TRACTORS/LOADERS/BACKHOES	2005	85
2008	3	93	TRACTORS/LOADERS/BACKHOES	2006	85
2008	3	94	TRACTORS/LOADERS/BACKHOES	2004	86
2008	3	95	TRACTORS/LOADERS/BACKHOES	2006	86
2008	3	96	TRACTORS/LOADERS/BACKHOES	2006	86
2008	3	97	TRACTORS/LOADERS/BACKHOES	2006	86
2008	3	98	TRACTORS/LOADERS/BACKHOES	2006	86
2008	3	99	TRACTORS/LOADERS/BACKHOES	2006	86
2008	3	100	TRACTORS/LOADERS/BACKHOES	2006	86
2008	3	101	TRACTORS/LOADERS/BACKHOES	2006	86
2008	3	102	TRACTORS/LOADERS/BACKHOES	2006	86
2008	3	103	TRACTORS/LOADERS/BACKHOES	2006	86
2008	3	104	TRACTORS/LOADERS/BACKHOES	2006	86
2008	3	105	TRACTORS/LOADERS/BACKHOES	2007	86
2008	3	106	TRACTORS/LOADERS/BACKHOES	2007	86
2008	3	107	TRACTORS/LOADERS/BACKHOES	2007	86
2008	3	108	TRACTORS/LOADERS/BACKHOES	2007	86

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	3	109	TRACTORS/LOADERS/BACKHOES	2003	90
2008	3	110	TRACTORS/LOADERS/BACKHOES	2003	90
2008	3	111	TRACTORS/LOADERS/BACKHOES	2006	92
2008	3	112	TRACTORS/LOADERS/BACKHOES	2008	92
2008	3	2651	ROUGH TERRAIN FORKLIFTS	2002	73
2008	3	2652	ROUGH TERRAIN FORKLIFTS	2003	73
2008	3	2653	ROUGH TERRAIN FORKLIFTS	2003	73
2008	3	2654	ROUGH TERRAIN FORKLIFTS	2004	73
2008	3	2655	ROUGH TERRAIN FORKLIFTS	2006	73
2008	3	2656	ROUGH TERRAIN FORKLIFTS	2006	73
2008	3	2657	ROUGH TERRAIN FORKLIFTS	2007	73
2008	3	2658	ROUGH TERRAIN FORKLIFTS	2007	73
2008	3	2659	ROUGH TERRAIN FORKLIFTS	2007	73
2008	3	2660	ROUGH TERRAIN FORKLIFTS	2001	76
2008	3	2661	ROUGH TERRAIN FORKLIFTS	2003	80
2008	3	2662	ROUGH TERRAIN FORKLIFTS	2001	110
2008	3	2663	ROUGH TERRAIN FORKLIFTS	2007	125
2008	3	2664	ROUGH TERRAIN FORKLIFTS	2007	125
2008	3	2691	OTHER CONSTRUCTION EQUIPMENT	2002	36
2008	3	2909	ROLLERS	2003	33
2008	3	2910	ROLLERS	2007	34
2008	3	2911	ROLLERS	2007	34
2008	3	2912	ROLLERS	2008	44
2008	3	2913	ROLLERS	2003	76
2008	3	2914	ROLLERS	2008	99
2008	3	2915	ROLLERS	2008	99
2008	3	3674	SKID STEER LOADERS	2008	37
2008	3	3675	SKID STEER LOADERS	2008	37
2008	3	3676	SKID STEER LOADERS	2008	37
2008	3	3677	SKID STEER LOADERS	2008	37
2008	3	3678	SKID STEER LOADERS	2008	37
2008	3	3679	SKID STEER LOADERS	2008	37
2008	3	3680	SKID STEER LOADERS	2008	37
2008	3	3681	SKID STEER LOADERS	2008	37
2008	3	3682	SKID STEER LOADERS	2008	37
2008	3	3683	SKID STEER LOADERS	2008	37
2008	3	3684	SKID STEER LOADERS	2008	37
2008	3	3685	SKID STEER LOADERS	2008	37
2008	3	3686	SKID STEER LOADERS	2008	37
2008	3	3687	SKID STEER LOADERS	2001	43
2008	3	3688	SKID STEER LOADERS	2003	43
2008	3	3689	SKID STEER LOADERS	2003	43
2008	3	3690	SKID STEER LOADERS	2004	43
2008	3	3691	SKID STEER LOADERS	2004	43

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	3	3692	SKID STEER LOADERS	2007	43
2008	3	3693	SKID STEER LOADERS	2007	43
2008	3	3694	SKID STEER LOADERS	2007	43
2008	3	3695	SKID STEER LOADERS	2007	43
2008	3	3696	SKID STEER LOADERS	2006	46
2008	3	3697	SKID STEER LOADERS	2006	46
2008	3	3698	SKID STEER LOADERS	2006	46
2008	3	3699	SKID STEER LOADERS	2006	46
2008	3	3700	SKID STEER LOADERS	2006	46
2008	3	3701	SKID STEER LOADERS	2006	46
2008	3	3702	SKID STEER LOADERS	2006	46
2008	3	3703	SKID STEER LOADERS	2006	46
2008	3	3704	SKID STEER LOADERS	2006	46
2008	3	3705	SKID STEER LOADERS	2006	46
2008	3	3706	SKID STEER LOADERS	2006	46
2008	3	3707	SKID STEER LOADERS	2006	46
2008	3	3708	SKID STEER LOADERS	2006	46
2008	3	3709	SKID STEER LOADERS	2006	46
2008	3	3710	SKID STEER LOADERS	2006	46
2008	3	3711	SKID STEER LOADERS	2006	46
2008	3	3712	SKID STEER LOADERS	2006	46
2008	3	3713	SKID STEER LOADERS	2008	46
2008	3	3714	SKID STEER LOADERS	2004	73
2008	3	3715	SKID STEER LOADERS	2004	73
2008	3	3716	SKID STEER LOADERS	2007	73
2008	3	3717	SKID STEER LOADERS	2008	73
2008	3	3718	SKID STEER LOADERS	2006	75
2008	3	3719	SKID STEER LOADERS	2007	75
2008	3	3720	SKID STEER LOADERS	2007	75
2008	3	3721	SKID STEER LOADERS	2007	75
2008	3	3722	SKID STEER LOADERS	2005	78
2008	3	3723	SKID STEER LOADERS	2008	80
2008	3	3924	TRACTORS/LOADERS/BACKHOES	2004	28
2008	3	4155	TRENCHERS	2007	43
2008	3	4156	TRENCHERS	1997	45
2008	3	4157	TRENCHERS	2000	45
2008	3	4158	TRENCHERS	2001	45
2008	3	4159	TRENCHERS	2005	45
2008	3	4160	TRENCHERS	2005	45
2008	3	4170	TRENCHERS	2003	37
2008	3	4171	TRENCHERS	2003	37
2008	3	4172	TRENCHERS	2003	37
2008	3	4334	OFF-HIGHWAY TRUCKS	2001	250
2008	3	4335	OFF-HIGHWAY TRUCKS	2002	250

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	3	4336	OFF-HIGHWAY TRUCKS	2002	250
2008	3	4337	OFF-HIGHWAY TRUCKS	2006	250
2008	3	4338	OFF-HIGHWAY TRUCKS	2007	250
2008	3	4339	OFF-HIGHWAY TRUCKS	2007	250
2008	3	77	TRACTORS/LOADERS/BACKHOES	2001	67
2008	3	78	TRACTORS/LOADERS/BACKHOES	2004	67
2008	3	79	TRACTORS/LOADERS/BACKHOES	2003	70
2008	3	80	TRACTORS/LOADERS/BACKHOES	2007	70
2008	3	81	TRACTORS/LOADERS/BACKHOES	2006	73
2008	3	82	TRACTORS/LOADERS/BACKHOES	2001	75
2008	3	83	TRACTORS/LOADERS/BACKHOES	2001	75
2008	3	84	TRACTORS/LOADERS/BACKHOES	2001	75
2008	3	85	TRACTORS/LOADERS/BACKHOES	2001	75
Fleet 4					
2008	4	10	TRACTORS/LOADERS/BACKHOES	2000	75
2008	4	11	TRACTORS/LOADERS/BACKHOES	1999	90
2008	4	12	TRACTORS/LOADERS/BACKHOES	2008	90
Fleet 5					
2008	5	1	CRANES	2006	80
2008	5	2	SCRAPERS	2006	245
2008	5	3	CRAWLER TRACTORS	2006	401
2008	5	4	OTHER CONSTRUCTION EQUIPMENT	2006	56
2008	5	5	TRACTORS/LOADERS/BACKHOES	2006	90
2008	5	6	RUBBER TIRED LOADERS	2006	95
2008	5	7	CRANES	1989	130
2008	5	8	GRADERS	1991	135
2008	5	9	TRACTORS/LOADERS/BACKHOES	2007	75
2008	5	10	TRACTORS/LOADERS/BACKHOES	2007	75
2008	5	11	ROLLERS	1994	30
2008	5	12	PAVING EQUIPMENT	1994	78
2008	5	13	RUBBER TIRED LOADERS	1994	98
2008	5	14	RUBBER TIRED LOADERS	1996	170
2008	5	15	CRAWLER TRACTORS	1999	405
2008	5	16	RUBBER TIRED LOADERS	2000	129
2008	5	17	ROUGH TERRAIN FORKLIFTS	2001	110
2008	5	18	TRACTORS/LOADERS/BACKHOES	2002	85
2008	5	19	OTHER CONSTRUCTION EQUIPMENT	2003	77
2008	5	20	TRACTORS/LOADERS/BACKHOES	2003	85
2008	5	21	ROUGH TERRAIN FORKLIFTS	2004	155
2008	5	22	OFF-HIGHWAY TRACTORS	2005	39
2008	5	23	TRACTORS/LOADERS/BACKHOES	2005	85
Fleet 6					
2008	6	302	CRAWLER TRACTORS	2007	119
2008	6	303	CRAWLER TRACTORS	2008	119

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	304	CRAWLER TRACTORS	2000	140
2008	6	305	CRAWLER TRACTORS	2001	140
2008	6	306	CRAWLER TRACTORS	2001	140
2008	6	307	CRAWLER TRACTORS	2002	140
2008	6	308	CRAWLER TRACTORS	2000	175
2008	6	309	CRAWLER TRACTORS	2004	175
2008	6	310	CRAWLER TRACTORS	2007	189
2008	6	311	CRAWLER TRACTORS	2008	189
2008	6	312	CRAWLER TRACTORS	2001	175
2008	6	313	CRAWLER TRACTORS	2002	175
2008	6	314	CRAWLER TRACTORS	2002	175
2008	6	315	CRAWLER TRACTORS	2003	175
2008	6	316	CRAWLER TRACTORS	2003	175
2008	6	317	CRAWLER TRACTORS	1991	520
2008	6	318	CRAWLER TRACTORS	1993	520
2008	6	319	CRAWLER TRACTORS	1993	520
2008	6	320	CRAWLER TRACTORS	1991	520
2008	6	321	CRAWLER TRACTORS	2000	570
2008	6	322	CRAWLER TRACTORS	2001	570
2008	6	323	CRAWLER TRACTORS	2001	570
2008	6	324	CRAWLER TRACTORS	2001	570
2008	6	325	CRAWLER TRACTORS	2002	570
2008	6	326	CRAWLER TRACTORS	2003	570
2008	6	327	CRAWLER TRACTORS	2007	337
2008	6	328	CRAWLER TRACTORS	2007	310
2008	6	329	CRAWLER TRACTORS	2007	310
2008	6	330	CRAWLER TRACTORS	2008	310
2008	6	331	CRAWLER TRACTORS	1991	285
2008	6	332	CRAWLER TRACTORS	1997	285
2008	6	333	CRAWLER TRACTORS	2001	305
2008	6	334	CRAWLER TRACTORS	2001	305
2008	6	335	CRAWLER TRACTORS	2001	305
2008	6	336	CRAWLER TRACTORS	2002	305
2008	6	337	CRAWLER TRACTORS	2007	337
2008	6	338	CRAWLER TRACTORS	2007	410
2008	6	339	CRAWLER TRACTORS	2007	410
2008	6	340	CRAWLER TRACTORS	2000	405
2008	6	341	CRAWLER TRACTORS	2001	405
2008	6	342	CRAWLER TRACTORS	2002	405
2008	6	343	CRAWLER TRACTORS	2002	405
2008	6	451	CRANES	1985	201
2008	6	452	CRANES	1997	152
2008	6	453	CRANES	1999	192
2008	6	454	CRANES	1999	192

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	455	CRANES	1999	192
2008	6	456	CRANES	1974	140
2008	6	457	CRANES	2001	130
2008	6	458	CRANES	2001	130
2008	6	459	CRANES	1981	450
2008	6	460	CRANES	1981	230
2008	6	461	CRANES	1978	500
2008	6	462	CRANES	1991	500
2008	6	463	CRANES	2000	90
2008	6	1136	EXCAVATORS	2007	86
2008	6	1137	EXCAVATORS	2007	150
2008	6	1138	EXCAVATORS	2006	158
2008	6	1139	EXCAVATORS	2006	158
2008	6	1140	EXCAVATORS	2006	158
2008	6	1141	EXCAVATORS	2002	156
2008	6	1142	EXCAVATORS	2002	156
2008	6	1143	EXCAVATORS	2007	168
2008	6	1144	EXCAVATORS	2007	168
2008	6	1145	EXCAVATORS	2007	168
2008	6	1146	EXCAVATORS	2004	158
2008	6	1147	EXCAVATORS	2001	158
2008	6	1148	EXCAVATORS	2001	158
2008	6	1149	EXCAVATORS	2002	158
2008	6	1150	EXCAVATORS	2002	158
2008	6	1151	EXCAVATORS	2002	158
2008	6	1152	EXCAVATORS	2002	158
2008	6	1153	EXCAVATORS	2002	158
2008	6	1154	EXCAVATORS	2002	158
2008	6	1155	EXCAVATORS	2003	158
2008	6	1156	EXCAVATORS	2006	242
2008	6	1157	EXCAVATORS	2006	242
2008	6	1158	EXCAVATORS	2006	242
2008	6	1159	EXCAVATORS	2006	242
2008	6	1160	EXCAVATORS	2003	235
2008	6	1161	EXCAVATORS	2001	231
2008	6	1162	EXCAVATORS	2001	231
2008	6	1163	EXCAVATORS	2007	242
2008	6	1164	EXCAVATORS	2008	242
2008	6	1165	EXCAVATORS	2008	242
2008	6	1166	EXCAVATORS	2008	242
2008	6	1167	EXCAVATORS	2008	242
2008	6	1168	EXCAVATORS	2008	242
2008	6	1169	EXCAVATORS	2004	232
2008	6	1170	EXCAVATORS	2004	232

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	1171	EXCAVATORS	2005	232
2008	6	1172	EXCAVATORS	1999	232
2008	6	1173	EXCAVATORS	2000	232
2008	6	1174	EXCAVATORS	2001	232
2008	6	1175	EXCAVATORS	2001	232
2008	6	1176	EXCAVATORS	2001	232
2008	6	1177	EXCAVATORS	2002	232
2008	6	1178	EXCAVATORS	2002	232
2008	6	1179	EXCAVATORS	2002	232
2008	6	1180	EXCAVATORS	2002	232
2008	6	1181	EXCAVATORS	2002	232
2008	6	1182	EXCAVATORS	2006	306
2008	6	1183	EXCAVATORS	2006	306
2008	6	1184	EXCAVATORS	2006	306
2008	6	1185	EXCAVATORS	2006	306
2008	6	1186	EXCAVATORS	2006	306
2008	6	1187	EXCAVATORS	2004	301
2008	6	1188	EXCAVATORS	2003	301
2008	6	1189	EXCAVATORS	2000	301
2008	6	1190	EXCAVATORS	2006	314
2008	6	1191	EXCAVATORS	2007	330
2008	6	1192	EXCAVATORS	2007	330
2008	6	1193	EXCAVATORS	2007	330
2008	6	1194	EXCAVATORS	2008	330
2008	6	1195	EXCAVATORS	2008	330
2008	6	1196	EXCAVATORS	2008	330
2008	6	1197	EXCAVATORS	2008	330
2008	6	1198	EXCAVATORS	2004	306
2008	6	1199	EXCAVATORS	2004	306
2008	6	2451	RUBBER TIRED LOADERS	2007	84
2008	6	2452	RUBBER TIRED LOADERS	1999	70
2008	6	2453	RUBBER TIRED LOADERS	2000	70
2008	6	2454	RUBBER TIRED LOADERS	2000	70
2008	6	2455	RUBBER TIRED LOADERS	2000	70
2008	6	2456	RUBBER TIRED LOADERS	2000	70
2008	6	2457	RUBBER TIRED LOADERS	2000	70
2008	6	2458	RUBBER TIRED LOADERS	2001	73
2008	6	2459	RUBBER TIRED LOADERS	2001	73
2008	6	2460	RUBBER TIRED LOADERS	2001	73
2008	6	2461	RUBBER TIRED LOADERS	2001	73
2008	6	2462	RUBBER TIRED LOADERS	2002	73
2008	6	2463	RUBBER TIRED LOADERS	2002	73
2008	6	2464	RUBBER TIRED LOADERS	2002	73
2008	6	2465	RUBBER TIRED LOADERS	2002	73

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	2466	RUBBER TIRED LOADERS	2002	73
2008	6	2467	RUBBER TIRED LOADERS	2003	73
2008	6	2468	RUBBER TIRED LOADERS	2003	73
2008	6	2469	RUBBER TIRED LOADERS	2003	73
2008	6	2470	RUBBER TIRED LOADERS	2003	73
2008	6	2471	RUBBER TIRED LOADERS	2003	73
2008	6	2472	RUBBER TIRED LOADERS	2003	73
2008	6	2473	RUBBER TIRED LOADERS	2003	73
2008	6	2474	RUBBER TIRED LOADERS	2003	73
2008	6	1200	EXCAVATORS	2004	306
2008	6	1201	EXCAVATORS	2005	306
2008	6	1202	EXCAVATORS	2005	306
2008	6	1203	EXCAVATORS	2005	306
2008	6	1204	EXCAVATORS	2005	306
2008	6	1205	EXCAVATORS	1999	306
2008	6	1206	EXCAVATORS	2000	306
2008	6	1207	EXCAVATORS	2001	306
2008	6	1208	EXCAVATORS	2001	306
2008	6	1209	EXCAVATORS	2001	306
2008	6	1210	EXCAVATORS	2001	306
2008	6	1211	EXCAVATORS	2002	306
2008	6	1212	EXCAVATORS	2002	306
2008	6	1213	EXCAVATORS	2003	306
2008	6	1214	EXCAVATORS	2003	306
2008	6	1215	EXCAVATORS	2004	306
2008	6	1216	EXCAVATORS	2006	385
2008	6	1217	EXCAVATORS	2005	350
2008	6	1218	EXCAVATORS	2005	350
2008	6	1219	EXCAVATORS	1988	325
2008	6	1220	EXCAVATORS	2006	454
2008	6	1221	EXCAVATORS	2006	454
2008	6	1222	EXCAVATORS	2006	454
2008	6	1223	EXCAVATORS	2008	454
2008	6	1224	EXCAVATORS	2008	454
2008	6	1225	EXCAVATORS	2002	444
2008	6	1226	EXCAVATORS	2001	444
2008	6	1227	EXCAVATORS	2001	444
2008	6	1228	EXCAVATORS	2001	444
2008	6	1229	EXCAVATORS	2002	444
2008	6	1230	EXCAVATORS	2003	444
2008	6	1231	EXCAVATORS	2003	444
2008	6	1232	EXCAVATORS	2003	444
2008	6	1604	GRADERS	1981	150
2008	6	1605	GRADERS	1986	150

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	1606	GRADERS	1987	150
2008	6	1607	GRADERS	1987	150
2008	6	1608	GRADERS	1989	150
2008	6	1609	GRADERS	1989	150
2008	6	1610	GRADERS	1990	150
2008	6	1611	GRADERS	1991	150
2008	6	1612	GRADERS	1992	150
2008	6	1613	GRADERS	1992	150
2008	6	1614	GRADERS	1996	150
2008	6	1615	GRADERS	1999	180
2008	6	1616	GRADERS	2000	180
2008	6	1617	GRADERS	2000	180
2008	6	1618	GRADERS	2000	180
2008	6	1619	GRADERS	2006	180
2008	6	1620	GRADERS	2006	180
2008	6	1621	GRADERS	2006	180
2008	6	1622	GRADERS	2006	180
2008	6	1623	GRADERS	2006	180
2008	6	1624	GRADERS	2007	180
2008	6	1625	GRADERS	2007	180
2008	6	1626	GRADERS	2000	180
2008	6	1627	GRADERS	2002	180
2008	6	1628	GRADERS	2002	180
2008	6	1629	GRADERS	2006	220
2008	6	1630	GRADERS	2006	220
2008	6	1631	GRADERS	2006	220
2008	6	1632	GRADERS	2007	220
2008	6	1633	GRADERS	2007	220
2008	6	1634	GRADERS	2007	220
2008	6	1635	GRADERS	2007	220
2008	6	1636	GRADERS	2007	220
2008	6	1637	GRADERS	2007	220
2008	6	1638	GRADERS	2007	220
2008	6	1639	GRADERS	2008	220
2008	6	1640	GRADERS	2008	220
2008	6	1641	GRADERS	2008	220
2008	6	1642	GRADERS	2008	220
2008	6	1643	GRADERS	2008	220
2008	6	1644	GRADERS	1991	200
2008	6	1645	GRADERS	1991	200
2008	6	1646	GRADERS	1991	200
2008	6	1647	GRADERS	1992	200
2008	6	1648	GRADERS	1992	200
2008	6	1649	GRADERS	1993	200

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	1650	GRADERS	1993	200
2008	6	1651	GRADERS	1993	200
2008	6	1652	GRADERS	1993	200
2008	6	1653	GRADERS	1997	200
2008	6	1654	GRADERS	1997	200
2008	6	1655	GRADERS	1999	215
2008	6	1656	GRADERS	2000	215
2008	6	1657	GRADERS	2000	215
2008	6	1658	GRADERS	2000	215
2008	6	1659	GRADERS	2001	215
2008	6	1660	GRADERS	2001	215
2008	6	1661	GRADERS	2001	215
2008	6	1662	GRADERS	2001	215
2008	6	1663	GRADERS	2001	215
2008	6	1664	GRADERS	2001	215
2008	6	1665	GRADERS	2001	215
2008	6	1666	GRADERS	2001	215
2008	6	1667	GRADERS	2002	215
2008	6	1668	GRADERS	2002	215
2008	6	1669	GRADERS	2002	215
2008	6	1670	GRADERS	2002	215
2008	6	1671	GRADERS	2002	215
2008	6	1672	GRADERS	2002	215
2008	6	1673	GRADERS	2003	215
2008	6	1674	GRADERS	2003	215
2008	6	1675	GRADERS	2003	215
2008	6	1676	GRADERS	2003	215
2008	6	1677	GRADERS	2003	215
2008	6	1678	GRADERS	2003	215
2008	6	1679	GRADERS	2003	215
2008	6	1680	GRADERS	2003	215
2008	6	1681	GRADERS	2003	215
2008	6	1682	GRADERS	2003	215
2008	6	1683	GRADERS	2003	215
2008	6	1684	GRADERS	2003	215
2008	6	1685	GRADERS	2005	220
2008	6	1686	GRADERS	2005	220
2008	6	1687	GRADERS	2005	220
2008	6	1688	GRADERS	2005	220
2008	6	1689	GRADERS	2005	220
2008	6	1690	GRADERS	2005	220
2008	6	1691	GRADERS	1989	275
2008	6	1692	GRADERS	1993	275
2008	6	1693	GRADERS	1997	275

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	1694	GRADERS	2001	275
2008	6	1695	GRADERS	2008	220
2008	6	300	CRAWLER TRACTORS	2000	140
2008	6	301	CRAWLER TRACTORS	2002	110
2008	6	2475	RUBBER TIRED LOADERS	2003	73
2008	6	2476	RUBBER TIRED LOADERS	1999	70
2008	6	2477	RUBBER TIRED LOADERS	2004	75
2008	6	2478	RUBBER TIRED LOADERS	2004	75
2008	6	2479	RUBBER TIRED LOADERS	2004	75
2008	6	2480	RUBBER TIRED LOADERS	2004	75
2008	6	2481	RUBBER TIRED LOADERS	2004	75
2008	6	2482	RUBBER TIRED LOADERS	2005	75
2008	6	2483	RUBBER TIRED LOADERS	2005	75
2008	6	2484	RUBBER TIRED LOADERS	2005	75
2008	6	2485	RUBBER TIRED LOADERS	2005	75
2008	6	2486	RUBBER TIRED LOADERS	2005	75
2008	6	2487	RUBBER TIRED LOADERS	2005	75
2008	6	2488	RUBBER TIRED LOADERS	2005	75
2008	6	2489	RUBBER TIRED LOADERS	2005	75
2008	6	2490	RUBBER TIRED LOADERS	2005	75
2008	6	2491	RUBBER TIRED LOADERS	2005	75
2008	6	2492	RUBBER TIRED LOADERS	2005	75
2008	6	2493	RUBBER TIRED LOADERS	2005	75
2008	6	2494	RUBBER TIRED LOADERS	2006	75
2008	6	2495	RUBBER TIRED LOADERS	2007	74
2008	6	2496	RUBBER TIRED LOADERS	2007	74
2008	6	2497	RUBBER TIRED LOADERS	2007	74
2008	6	2498	RUBBER TIRED LOADERS	2007	74
2008	6	2499	RUBBER TIRED LOADERS	2008	74
2008	6	2500	RUBBER TIRED LOADERS	2008	74
2008	6	2501	RUBBER TIRED LOADERS	2008	74
2008	6	2502	RUBBER TIRED LOADERS	2008	74
2008	6	2503	RUBBER TIRED LOADERS	2008	74
2008	6	2504	RUBBER TIRED LOADERS	2008	74
2008	6	2505	RUBBER TIRED LOADERS	2008	74
2008	6	2506	RUBBER TIRED LOADERS	2008	74
2008	6	2507	RUBBER TIRED LOADERS	2008	74
2008	6	2508	RUBBER TIRED LOADERS	1992	80
2008	6	2509	RUBBER TIRED LOADERS	2003	90
2008	6	2510	RUBBER TIRED LOADERS	2003	90
2008	6	2511	RUBBER TIRED LOADERS	2003	115
2008	6	2512	RUBBER TIRED LOADERS	2004	115
2008	6	2513	RUBBER TIRED LOADERS	2004	115
2008	6	2514	RUBBER TIRED LOADERS	2004	92

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	2515	RUBBER TIRED LOADERS	2006	92
2008	6	2516	RUBBER TIRED LOADERS	2006	92
2008	6	2517	RUBBER TIRED LOADERS	2006	92
2008	6	2518	RUBBER TIRED LOADERS	2007	92
2008	6	2519	RUBBER TIRED LOADERS	2007	92
2008	6	2520	RUBBER TIRED LOADERS	2007	92
2008	6	2521	RUBBER TIRED LOADERS	2007	92
2008	6	2522	RUBBER TIRED LOADERS	2007	92
2008	6	2523	RUBBER TIRED LOADERS	2007	92
2008	6	2524	RUBBER TIRED LOADERS	2007	92
2008	6	2525	RUBBER TIRED LOADERS	2007	92
2008	6	2526	RUBBER TIRED LOADERS	2007	118
2008	6	2527	RUBBER TIRED LOADERS	2007	118
2008	6	2528	RUBBER TIRED LOADERS	2007	92
2008	6	2529	RUBBER TIRED LOADERS	2008	118
2008	6	2530	RUBBER TIRED LOADERS	2008	92
2008	6	2531	RUBBER TIRED LOADERS	2008	92
2008	6	2532	RUBBER TIRED LOADERS	2008	92
2008	6	2533	RUBBER TIRED LOADERS	2008	92
2008	6	2534	RUBBER TIRED LOADERS	2008	92
2008	6	2535	RUBBER TIRED LOADERS	2008	41
2008	6	2536	RUBBER TIRED LOADERS	1988	110
2008	6	2537	RUBBER TIRED LOADERS	1972	100
2008	6	2538	RUBBER TIRED LOADERS	1995	170
2008	6	2539	RUBBER TIRED LOADERS	2000	710
2008	6	2540	RUBBER TIRED LOADERS	2008	853
2008	6	2541	RUBBER TIRED LOADERS	1993	160
2008	6	2542	RUBBER TIRED LOADERS	2005	215
2008	6	2543	RUBBER TIRED LOADERS	2005	215
2008	6	2544	RUBBER TIRED LOADERS	2005	215
2008	6	2545	RUBBER TIRED LOADERS	2002	178
2008	6	2546	RUBBER TIRED LOADERS	2001	178
2008	6	2547	RUBBER TIRED LOADERS	1998	170
2008	6	2548	RUBBER TIRED LOADERS	1997	170
2008	6	2549	RUBBER TIRED LOADERS	1993	160
2008	6	2550	RUBBER TIRED LOADERS	1993	160
2008	6	2551	RUBBER TIRED LOADERS	2007	215
2008	6	2552	RUBBER TIRED LOADERS	2003	201
2008	6	2553	RUBBER TIRED LOADERS	2003	201
2008	6	2554	RUBBER TIRED LOADERS	2006	450
2008	6	2555	RUBBER TIRED LOADERS	2006	450
2008	6	2556	RUBBER TIRED LOADERS	2006	450
2008	6	2557	RUBBER TIRED LOADERS	2006	450
2008	6	2558	RUBBER TIRED LOADERS	2007	473

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	2559	RUBBER TIRED LOADERS	2007	473
2008	6	2560	RUBBER TIRED LOADERS	2007	473
2008	6	2561	RUBBER TIRED LOADERS	2007	473
2008	6	2562	RUBBER TIRED LOADERS	2007	473
2008	6	2563	RUBBER TIRED LOADERS	2007	473
2008	6	2564	RUBBER TIRED LOADERS	2007	473
2008	6	2565	RUBBER TIRED LOADERS	2007	473
2008	6	2566	RUBBER TIRED LOADERS	2008	473
2008	6	2567	RUBBER TIRED LOADERS	2008	473
2008	6	2568	RUBBER TIRED LOADERS	2008	473
2008	6	2569	RUBBER TIRED LOADERS	1987	375
2008	6	2570	RUBBER TIRED LOADERS	1990	375
2008	6	2571	RUBBER TIRED LOADERS	1992	375
2008	6	2572	RUBBER TIRED LOADERS	1992	375
2008	6	2573	RUBBER TIRED LOADERS	1993	375
2008	6	2574	RUBBER TIRED LOADERS	1993	375
2008	6	2575	RUBBER TIRED LOADERS	1993	375
2008	6	2576	RUBBER TIRED LOADERS	1995	415
2008	6	2577	RUBBER TIRED LOADERS	2000	430
2008	6	2578	RUBBER TIRED LOADERS	2001	430
2008	6	2579	RUBBER TIRED LOADERS	2001	430
2008	6	2580	RUBBER TIRED LOADERS	2002	430
2008	6	2581	RUBBER TIRED LOADERS	2002	430
2008	6	2582	RUBBER TIRED LOADERS	2002	450
2008	6	2583	RUBBER TIRED LOADERS	2003	430
2008	6	2584	RUBBER TIRED LOADERS	2003	430
2008	6	2585	RUBBER TIRED LOADERS	2003	430
2008	6	2586	RUBBER TIRED LOADERS	2004	475
2008	6	2587	RUBBER TIRED LOADERS	1992	430
2008	6	2588	RUBBER TIRED LOADERS	2005	498
2008	6	2589	RUBBER TIRED LOADERS	2005	498
2008	6	2590	RUBBER TIRED LOADERS	2005	475
2008	6	2591	RUBBER TIRED LOADERS	2005	475
2008	6	2592	RUBBER TIRED LOADERS	2006	272
2008	6	2593	RUBBER TIRED LOADERS	2006	272
2008	6	2594	RUBBER TIRED LOADERS	2006	272
2008	6	2595	RUBBER TIRED LOADERS	2006	272
2008	6	2596	RUBBER TIRED LOADERS	2006	272
2008	6	2597	RUBBER TIRED LOADERS	2006	272
2008	6	2598	RUBBER TIRED LOADERS	2006	272
2008	6	2599	RUBBER TIRED LOADERS	2007	272
2008	6	2600	RUBBER TIRED LOADERS	2007	272
2008	6	2601	RUBBER TIRED LOADERS	2007	272
2008	6	2602	RUBBER TIRED LOADERS	2008	261

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	2603	RUBBER TIRED LOADERS	2008	261
2008	6	2604	RUBBER TIRED LOADERS	2008	261
2008	6	2605	RUBBER TIRED LOADERS	1990	200
2008	6	2606	RUBBER TIRED LOADERS	1996	220
2008	6	2607	RUBBER TIRED LOADERS	1997	220
2008	6	2608	RUBBER TIRED LOADERS	2000	245
2008	6	2609	RUBBER TIRED LOADERS	2000	245
2008	6	2610	RUBBER TIRED LOADERS	2001	245
2008	6	2611	RUBBER TIRED LOADERS	2001	245
2008	6	2612	RUBBER TIRED LOADERS	2002	245
2008	6	2613	RUBBER TIRED LOADERS	2002	245
2008	6	2614	RUBBER TIRED LOADERS	2002	245
2008	6	2615	RUBBER TIRED LOADERS	2002	245
2008	6	2616	RUBBER TIRED LOADERS	2002	245
2008	6	2617	RUBBER TIRED LOADERS	2002	245
2008	6	2618	RUBBER TIRED LOADERS	2003	245
2008	6	2619	RUBBER TIRED LOADERS	2003	245
2008	6	2620	RUBBER TIRED LOADERS	2003	245
2008	6	2621	RUBBER TIRED LOADERS	2003	245
2008	6	2622	RUBBER TIRED LOADERS	2003	245
2008	6	2623	RUBBER TIRED LOADERS	2003	245
2008	6	2624	RUBBER TIRED LOADERS	2003	245
2008	6	2625	RUBBER TIRED LOADERS	2005	272
2008	6	2626	RUBBER TIRED LOADERS	2005	272
2008	6	2627	RUBBER TIRED LOADERS	2005	272
2008	6	2628	RUBBER TIRED LOADERS	2006	335
2008	6	2629	RUBBER TIRED LOADERS	2006	335
2008	6	2630	RUBBER TIRED LOADERS	2007	335
2008	6	2631	RUBBER TIRED LOADERS	2007	335
2008	6	2632	RUBBER TIRED LOADERS	2007	335
2008	6	2633	RUBBER TIRED LOADERS	2007	335
2008	6	2634	RUBBER TIRED LOADERS	2008	335
2008	6	2635	RUBBER TIRED LOADERS	2008	335
2008	6	2636	RUBBER TIRED LOADERS	2008	335
2008	6	2637	RUBBER TIRED LOADERS	1991	270
2008	6	2638	RUBBER TIRED LOADERS	1990	270
2008	6	2639	RUBBER TIRED LOADERS	1996	315
2008	6	2640	RUBBER TIRED LOADERS	2005	352
2008	6	2641	RUBBER TIRED LOADERS	2005	352
2008	6	2642	RUBBER TIRED LOADERS	2005	352
2008	6	2643	RUBBER TIRED LOADERS	1991	150
2008	6	2644	RUBBER TIRED LOADERS	2007	92
2008	6	2645	RUBBER TIRED LOADERS	2004	92
2008	6	2670	OFF-HIGHWAY TRUCKS	1989	365

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	2671	OFF-HIGHWAY TRUCKS	1979	330
2008	6	2672	OFF-HIGHWAY TRUCKS	1981	330
2008	6	2673	OFF-HIGHWAY TRUCKS	1981	330
2008	6	2674	OFF-HIGHWAY TRUCKS	1988	330
2008	6	2675	OFF-HIGHWAY TRUCKS	1989	330
2008	6	2676	OFF-HIGHWAY TRUCKS	1978	330
2008	6	2677	OFF-HIGHWAY TRUCKS	2008	250
2008	6	2678	OFF-HIGHWAY TRUCKS	2008	250
2008	6	2679	OFF-HIGHWAY TRUCKS	1981	230
2008	6	2680	OFF-HIGHWAY TRUCKS	1978	230
2008	6	2681	OFF-HIGHWAY TRUCKS	1983	250
2008	6	2682	OFF-HIGHWAY TRUCKS	1983	250
2008	6	2683	OFF-HIGHWAY TRUCKS	1991	285
2008	6	2684	OFF-HIGHWAY TRUCKS	1992	285
2008	6	2685	OFF-HIGHWAY TRUCKS	1991	250
2008	6	2686	OFF-HIGHWAY TRUCKS	1999	330
2008	6	2687	OFF-HIGHWAY TRUCKS	1989	450
2008	6	2738	OTHER CONSTRUCTION EQUIPMENT	1989	192
2008	6	2739	OTHER CONSTRUCTION EQUIPMENT	2003	315
2008	6	2740	OTHER CONSTRUCTION EQUIPMENT	2007	315
2008	6	2741	OTHER CONSTRUCTION EQUIPMENT	2005	250
2008	6	2768	PAVERS	1997	172
2008	6	2769	PAVERS	1997	130
2008	6	2770	PAVERS	1999	172
2008	6	2771	PAVERS	2001	172
2008	6	2772	PAVERS	2002	172
2008	6	2773	PAVERS	2003	172
2008	6	2774	PAVERS	2004	172
2008	6	2775	PAVERS	2004	172
2008	6	2776	PAVERS	2005	172
2008	6	2777	PAVERS	2006	240
2008	6	2778	PAVERS	2007	240
2008	6	2779	PAVERS	2007	240
2008	6	2780	PAVERS	2008	240
2008	6	2781	PAVERS	2000	169
2008	6	2782	PAVERS	2001	169
2008	6	2783	PAVERS	2003	200
2008	6	2784	PAVERS	2003	200
2008	6	2785	PAVERS	2004	200
2008	6	2786	PAVERS	2005	200
2008	6	2787	PAVERS	2006	169
2008	6	2788	PAVERS	2006	200
2008	6	2789	PAVERS	2006	200
2008	6	2790	PAVERS	2008	200

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	2791	PAVERS	1989	142
2008	6	2792	PAVERS	1990	142
2008	6	2793	PAVERS	1993	142
2008	6	2794	PAVERS	1996	92
2008	6	2795	PAVERS	2003	92
2008	6	2796	PAVERS	2006	110
2008	6	2797	PAVERS	1990	210
2008	6	2798	PAVERS	2007	113
2008	6	2799	PAVERS	2008	113
2008	6	2831	PAVING EQUIPMENT	1989	95
2008	6	2832	PAVING EQUIPMENT	1992	95
2008	6	2833	PAVING EQUIPMENT	1994	95
2008	6	2834	PAVING EQUIPMENT	1995	95
2008	6	2835	PAVING EQUIPMENT	1997	95
2008	6	2836	PAVING EQUIPMENT	1999	95
2008	6	2837	PAVING EQUIPMENT	1999	95
2008	6	2838	PAVING EQUIPMENT	2003	100
2008	6	2839	PAVING EQUIPMENT	2003	100
2008	6	2840	ROLLERS	2003	220
2008	6	2841	ROLLERS	2007	240
2008	6	2842	ROLLERS	2008	240
2008	6	2843	ROLLERS	1990	216
2008	6	2844	ROLLERS	1990	216
2008	6	2845	ROLLERS	1991	216
2008	6	2846	ROLLERS	1991	216
2008	6	2847	ROLLERS	1992	216
2008	6	2848	ROLLERS	1997	216
2008	6	2849	ROLLERS	1997	216
2008	6	2850	ROLLERS	1999	220
2008	6	2851	ROLLERS	2000	220
2008	6	2852	ROLLERS	2001	220
2008	6	2853	ROLLERS	2001	220
2008	6	2854	ROLLERS	2001	220
2008	6	2855	ROLLERS	2001	220
2008	6	2856	ROLLERS	2002	220
2008	6	2857	ROLLERS	2002	220
2008	6	2858	ROLLERS	2002	220
2008	6	2859	ROLLERS	2003	220
2008	6	2860	ROLLERS	2003	220
2008	6	2861	ROLLERS	2003	220
2008	6	2862	ROLLERS	1990	315
2008	6	2863	ROLLERS	1987	315
2008	6	2864	ROLLERS	1989	315
2008	6	2865	ROLLERS	1991	315

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	2866	ROLLERS	1992	315
2008	6	2867	ROLLERS	1991	315
2008	6	2868	ROLLERS	1992	315
2008	6	2869	ROLLERS	2001	315
2008	6	2870	ROLLERS	2001	315
2008	6	2871	ROLLERS	2008	315
2008	6	3027	ROLLERS	2006	85
2008	6	3028	ROLLERS	2001	76
2008	6	3029	ROLLERS	1990	124
2008	6	3030	ROLLERS	1991	124
2008	6	3031	ROLLERS	2006	105
2008	6	3032	ROLLERS	2007	105
2008	6	3033	ROLLERS	2007	105
2008	6	3034	ROLLERS	2008	105
2008	6	3035	ROLLERS	1996	76
2008	6	3036	ROLLERS	2000	76
2008	6	3037	ROLLERS	2005	80
2008	6	3038	ROLLERS	2006	42
2008	6	3039	ROLLERS	2006	42
2008	6	3040	ROLLERS	2007	40
2008	6	3041	ROLLERS	2007	42
2008	6	3042	ROLLERS	1999	43
2008	6	3043	ROLLERS	2002	43
2008	6	3044	ROLLERS	2003	43
2008	6	3045	ROLLERS	2003	43
2008	6	3046	ROLLERS	2003	43
2008	6	3047	ROLLERS	2003	43
2008	6	3048	ROLLERS	2003	43
2008	6	3049	ROLLERS	2005	42
2008	6	3050	ROLLERS	2005	42
2008	6	3051	ROLLERS	2005	40
2008	6	3052	ROLLERS	2002	33
2008	6	3053	ROLLERS	2002	33
2008	6	3054	ROLLERS	2002	33
2008	6	3055	ROLLERS	2006	125
2008	6	3056	ROLLERS	2007	80
2008	6	3057	ROLLERS	2008	173
2008	6	3058	ROLLERS	2008	125
2008	6	3059	ROLLERS	2008	125
2008	6	3060	ROLLERS	2008	125
2008	6	3061	ROLLERS	2008	80
2008	6	3062	ROLLERS	2003	125
2008	6	3063	ROLLERS	2003	110
2008	6	3064	ROLLERS	2003	125

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	3065	ROLLERS	2003	125
2008	6	3066	ROLLERS	2001	110
2008	6	3067	ROLLERS	2002	110
2008	6	3068	ROLLERS	2002	110
2008	6	3069	ROLLERS	2002	125
2008	6	3070	ROLLERS	2006	156
2008	6	3071	ROLLERS	2006	156
2008	6	3072	ROLLERS	2006	156
2008	6	3073	ROLLERS	2006	156
2008	6	3074	ROLLERS	2006	156
2008	6	3075	ROLLERS	2006	156
2008	6	3076	ROLLERS	2006	156
2008	6	3077	ROLLERS	2006	156
2008	6	3078	ROLLERS	2007	156
2008	6	3079	ROLLERS	2007	156
2008	6	3080	ROLLERS	2008	156
2008	6	3081	ROLLERS	2008	156
2008	6	3082	ROLLERS	2008	156
2008	6	3083	ROLLERS	2002	156
2008	6	3084	ROLLERS	2002	156
2008	6	3085	ROLLERS	2002	156
2008	6	3086	ROLLERS	2002	156
2008	6	3087	ROLLERS	2002	156
2008	6	3088	ROLLERS	2002	156
2008	6	3089	ROLLERS	2002	156
2008	6	3090	ROLLERS	2002	156
2008	6	3091	ROLLERS	2003	156
2008	6	3092	ROLLERS	2001	156
2008	6	3093	ROLLERS	2001	156
2008	6	3094	ROLLERS	2003	156
2008	6	3095	ROLLERS	2004	156
2008	6	3096	ROLLERS	2004	156
2008	6	3097	ROLLERS	2003	156
2008	6	3098	ROLLERS	1998	156
2008	6	3099	ROLLERS	2000	156
2008	6	3100	ROLLERS	2002	156
2008	6	3101	ROLLERS	2002	156
2008	6	3102	ROLLERS	2007	156
2008	6	3103	ROLLERS	2008	156
2008	6	3104	ROLLERS	1988	125
2008	6	3105	ROLLERS	2007	80
2008	6	3106	ROLLERS	2005	95
2008	6	3536	SCRAPERS	1990	450
2008	6	3537	SCRAPERS	1990	450

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	3538	SCRAPERS	1991	450
2008	6	3539	SCRAPERS	1991	450
2008	6	3540	SCRAPERS	1991	450
2008	6	3541	SCRAPERS	1991	450
2008	6	3542	SCRAPERS	1992	450
2008	6	3543	SCRAPERS	1992	450
2008	6	3544	SCRAPERS	2000	450
2008	6	3545	SCRAPERS	2000	450
2008	6	3546	SCRAPERS	1990	450
2008	6	3547	SCRAPERS	1990	450
2008	6	3548	SCRAPERS	2002	490
2008	6	3549	SCRAPERS	2002	490
2008	6	3550	SCRAPERS	2003	490
2008	6	3551	SCRAPERS	2003	490
2008	6	3552	SCRAPERS	2003	490
2008	6	3553	SCRAPERS	2003	490
2008	6	3554	SCRAPERS	1991	265
2008	6	3555	SCRAPERS	1993	265
2008	6	3556	SCRAPERS	1993	265
2008	6	3557	SCRAPERS	1993	265
2008	6	3558	SCRAPERS	1997	265
2008	6	3559	SCRAPERS	2000	265
2008	6	3560	SCRAPERS	2006	265
2008	6	3561	SCRAPERS	2007	265
2008	6	3562	SCRAPERS	2007	265
2008	6	3563	SCRAPERS	2008	265
2008	6	3564	SCRAPERS	2008	265
2008	6	3565	SCRAPERS	2008	265
2008	6	3566	SCRAPERS	2001	265
2008	6	3567	SCRAPERS	2002	265
2008	6	3568	SCRAPERS	2002	265
2008	6	3569	SCRAPERS	2003	265
2008	6	3570	SCRAPERS	1992	550
2008	6	3571	SCRAPERS	1990	550
2008	6	3572	SCRAPERS	1990	550
2008	6	3573	SCRAPERS	1990	550
2008	6	3574	SCRAPERS	1990	550
2008	6	3575	SCRAPERS	2007	365
2008	6	3576	SCRAPERS	2008	365
2008	6	3577	SCRAPERS	2008	365
2008	6	3578	SCRAPERS	2008	365
2008	6	3579	SCRAPERS	2008	365
2008	6	3580	SCRAPERS	1990	330
2008	6	3581	SCRAPERS	1990	330

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	3582	SCRAPERS	1991	330
2008	6	3583	SCRAPERS	1991	330
2008	6	3584	SCRAPERS	1991	330
2008	6	3585	SCRAPERS	1992	330
2008	6	3586	SCRAPERS	1997	365
2008	6	3587	SCRAPERS	1997	365
2008	6	3588	SCRAPERS	1998	365
2008	6	3589	SCRAPERS	1998	365
2008	6	3590	SCRAPERS	2000	365
2008	6	3591	SCRAPERS	2000	365
2008	6	3592	SCRAPERS	2001	365
2008	6	3593	SCRAPERS	2001	365
2008	6	3594	SCRAPERS	2001	365
2008	6	3595	SCRAPERS	2001	365
2008	6	3596	SCRAPERS	2001	365
2008	6	3597	SCRAPERS	2002	365
2008	6	3598	SCRAPERS	2002	365
2008	6	3599	SCRAPERS	2002	365
2008	6	3600	SCRAPERS	2002	365
2008	6	3601	SCRAPERS	2002	365
2008	6	3602	SCRAPERS	2003	365
2008	6	3603	SCRAPERS	2003	365
2008	6	3604	SCRAPERS	2003	365
2008	6	3605	SCRAPERS	2003	365
2008	6	3606	SCRAPERS	2003	490
2008	6	3607	SCRAPERS	2003	250
2008	6	3608	SCRAPERS	2003	490
2008	6	3609	SCRAPERS	2003	250
2008	6	3610	SCRAPERS	2003	490
2008	6	3611	SCRAPERS	2003	250
2008	6	3612	SCRAPERS	2003	490
2008	6	3613	SCRAPERS	2003	250
2008	6	3614	SCRAPERS	2008	490
2008	6	3615	SCRAPERS	2008	251
2008	6	3616	SCRAPERS	2008	490
2008	6	3617	SCRAPERS	2008	252
2008	6	3618	SCRAPERS	2008	490
2008	6	3619	SCRAPERS	2008	253
2008	6	3620	SCRAPERS	2008	490
2008	6	3621	SCRAPERS	2008	254
2008	6	3622	SCRAPERS	2008	490
2008	6	3623	SCRAPERS	2008	255
2008	6	3624	SCRAPERS	2008	490
2008	6	3625	SCRAPERS	2008	256

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	3626	SCRAPERS	2005	490
2008	6	3627	SCRAPERS	2005	250
2008	6	3628	SCRAPERS	2005	490
2008	6	3629	SCRAPERS	2005	250
2008	6	3630	SCRAPERS	1985	450
2008	6	3631	SCRAPERS	1985	250
2008	6	3632	SCRAPERS	2006	175
2008	6	3633	SCRAPERS	2006	175
2008	6	3634	SCRAPERS	2006	175
2008	6	3635	SCRAPERS	2007	175
2008	6	3636	SCRAPERS	2007	175
2008	6	3637	SCRAPERS	2007	175
2008	6	3638	SCRAPERS	2007	175
2008	6	3639	SCRAPERS	2008	175
2008	6	3640	SCRAPERS	2008	175
2008	6	3641	SCRAPERS	2008	175
2008	6	3642	SCRAPERS	1989	175
2008	6	3643	SCRAPERS	1991	175
2008	6	3644	SCRAPERS	1992	175
2008	6	3645	SCRAPERS	2001	175
2008	6	3646	SCRAPERS	2001	175
2008	6	3647	SCRAPERS	2002	175
2008	6	3648	SCRAPERS	2004	175
2008	6	3649	SCRAPERS	1987	450
2008	6	3650	SCRAPERS	1988	450
2008	6	3651	SCRAPERS	1988	450
2008	6	3652	SCRAPERS	1988	450
2008	6	3653	SCRAPERS	1988	450
2008	6	3654	SCRAPERS	1997	475
2008	6	3655	SCRAPERS	1997	475
2008	6	3656	SCRAPERS	2000	475
2008	6	3657	SCRAPERS	2000	475
2008	6	3658	SCRAPERS	2000	475
2008	6	3912	TRACTORS/LOADERS/BACKHOES	2005	90
2008	6	3913	TRACTORS/LOADERS/BACKHOES	2003	90
2008	6	3914	TRACTORS/LOADERS/BACKHOES	2003	90
2008	6	3915	TRACTORS/LOADERS/BACKHOES	2002	90
2008	6	3916	TRACTORS/LOADERS/BACKHOES	2001	90
2008	6	3917	TRACTORS/LOADERS/BACKHOES	2001	90
2008	6	3918	TRACTORS/LOADERS/BACKHOES	2001	90
2008	6	3919	TRACTORS/LOADERS/BACKHOES	2000	90
2008	6	3920	TRACTORS/LOADERS/BACKHOES	1998	90
2008	6	3921	TRACTORS/LOADERS/BACKHOES	1996	90
2008	6	3922	TRACTORS/LOADERS/BACKHOES	1999	90

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	6	3923	TRACTORS/LOADERS/BACKHOES	1997	90
2008	6	4164	TRENCHERS	1989	250
2008	6	4165	TRENCHERS	1986	250
2008	6	4166	TRENCHERS	1981	235
2008	6	4167	TRENCHERS	1981	235
2008	6	4168	TRENCHERS	2003	400
2008	6	4169	TRENCHERS	2003	400
2008	6	4391	TRACTORS/LOADERS/BACKHOES	2006	155
Fleet 7					
2008	7	413	ROLLERS	1999	220
2008	7	414	ROLLERS	2004	220
2008	7	415	ROLLERS	2005	220
2008	7	416	ROLLERS	2005	220
2008	7	417	ROLLERS	2006	220
2008	7	798	CRAWLER TRACTORS	2000	110
2008	7	799	CRAWLER TRACTORS	2005	110
2008	7	800	CRAWLER TRACTORS	1999	130
2008	7	801	CRAWLER TRACTORS	2002	140
2008	7	802	CRAWLER TRACTORS	2004	140
2008	7	803	CRAWLER TRACTORS	2007	145
2008	7	804	CRAWLER TRACTORS	1998	180
2008	7	805	CRAWLER TRACTORS	1999	180
2008	7	806	CRAWLER TRACTORS	2000	185
2008	7	807	CRAWLER TRACTORS	2001	185
2008	7	808	CRAWLER TRACTORS	2001	185
2008	7	809	CRAWLER TRACTORS	2001	185
2008	7	810	CRAWLER TRACTORS	2005	185
2008	7	811	CRAWLER TRACTORS	2006	185
2008	7	812	CRAWLER TRACTORS	2003	230
2008	7	1053	EXCAVATORS	2004	88
2008	7	1054	EXCAVATORS	2003	128
2008	7	1055	EXCAVATORS	2003	128
2008	7	1056	EXCAVATORS	1999	138
2008	7	1057	EXCAVATORS	2005	143
2008	7	1058	EXCAVATORS	2006	143
2008	7	1059	EXCAVATORS	2000	153
2008	7	1060	EXCAVATORS	2003	153
2008	7	1061	EXCAVATORS	2003	153
2008	7	1062	EXCAVATORS	1998	208
2008	7	1063	EXCAVATORS	2001	222
2008	7	1064	EXCAVATORS	2003	222
2008	7	1065	EXCAVATORS	2001	232
2008	7	1066	EXCAVATORS	2001	232
2008	7	2278	RUBBER TIRED LOADERS	2004	114

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	7	2279	RUBBER TIRED LOADERS	2001	180
2008	7	2280	RUBBER TIRED LOADERS	2002	180
2008	7	2281	RUBBER TIRED LOADERS	2004	180
2008	7	2282	RUBBER TIRED LOADERS	2007	180
2008	7	2283	RUBBER TIRED LOADERS	2004	235
2008	7	2284	RUBBER TIRED LOADERS	2004	260
2008	7	294	GRADERS	2000	185
2008	7	3439	SCRAPERS	2005	175
Fleet 8					
2008	8	1	ROLLERS	1991	84
2008	8	2	CRAWLER TRACTORS	2002	75
2008	8	3	RUBBER TIRED LOADERS	1988	50
2008	8	4	SKID STEER LOADERS	2006	115
Fleet 9					
2008	9	5	EXCAVATORS	1998	95
2008	9	6	TRACTORS/LOADERS/BACKHOES	1997	95
2008	9	7	CRAWLER TRACTORS	2000	98
2008	9	8	RUBBER TIRED LOADERS	1996	68
2008	9	9	ROLLERS	1994	35
Fleet 10					
2008	10	8824	RUBBER TIRED LOADERS	2006	80
2008	10	8825	GRADERS	1990	165
2008	10	8826	GRADERS	1991	165
2008	10	8827	RUBBER TIRED LOADERS	2007	80
2008	10	8828	RUBBER TIRED LOADERS	1998	165
2008	10	8830	PAVING EQUIPMENT	2008	85
2008	10	8831	ROLLERS	1991	55
2008	10	8832	ROLLERS	1997	55
2008	10	8833	ROLLERS	2005	35
2008	10	8834	ROLLERS	2005	35
2008	10	8835	RUBBER TIRED LOADERS	2007	160
2008	10	8836	ROLLERS	1997	55
2008	10	8837	RUBBER TIRED LOADERS	2007	80
2008	10	8838	RUBBER TIRED LOADERS	1998	133
2008	10	8839	SKID STEER LOADERS	2007	78
2008	10	8840	RUBBER TIRED LOADERS	1993	125
2008	10	8841	RUBBER TIRED LOADERS	2008	133
2008	10	8842	RUBBER TIRED LOADERS	1998	133
2008	10	8843	RUBBER TIRED LOADERS	2006	80
2008	10	8844	ROLLERS	2008	150
2008	10	8845	CRAWLER TRACTORS	2004	95
2008	10	8846	RUBBER TIRED LOADERS	2008	133
2008	10	8847	TRACTORS/LOADERS/BACKHOES	2000	82
2008	10	8848	TRACTORS/LOADERS/BACKHOES	2003	80

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	10	8849	TRACTORS/LOADERS/BACKHOES	2003	80
2008	10	8850	TRACTORS/LOADERS/BACKHOES	1995	82
2008	10	8851	TRACTORS/LOADERS/BACKHOES	1995	82
2008	10	8852	GRADERS	1991	165
2008	10	8853	GRADERS	1991	165
2008	10	8854	GRADERS	1991	165
2008	10	8855	GRADERS	1994	165
2008	10	8856	GRADERS	1995	165
2008	10	8857	GRADERS	1995	165
2008	10	8858	GRADERS	2000	165
2008	10	8859	GRADERS	1989	165
2008	10	8860	GRADERS	1991	165
2008	10	8861	TRACTORS/LOADERS/BACKHOES	1995	82
Fleet 11					
2008	11	1	GRADERS	2003	185
2008	11	2	GRADERS	2004	185
2008	11	3	GRADERS	2004	185
2008	11	4	GRADERS	1998	240
2008	11	5	GRADERS	2000	240
2008	11	6	GRADERS	1997	240
2008	11	7	OFF-HIGHWAY TRACTORS	1996	175
2008	11	8	OFF-HIGHWAY TRACTORS	1996	175
2008	11	9	OFF-HIGHWAY TRACTORS	1996	175
2008	11	10	OFF-HIGHWAY TRACTORS	1996	175
2008	11	11	OFF-HIGHWAY TRACTORS	1996	175
2008	11	12	OFF-HIGHWAY TRACTORS	2002	175
2008	11	13	OFF-HIGHWAY TRACTORS	2001	175
2008	11	14	OFF-HIGHWAY TRACTORS	1965	300
2008	11	15	SCRAPERS	2001	175
2008	11	16	SCRAPERS	1999	175
2008	11	17	SCRAPERS	2004	175
2008	11	18	SCRAPERS	2004	175
2008	11	19	SCRAPERS	2001	265
2008	11	20	RUBBER TIRED LOADERS	2002	415
2008	11	21	RUBBER TIRED LOADERS	2002	415
2008	11	22	RUBBER TIRED LOADERS	2002	415
2008	11	23	OFF-HIGHWAY TRACTORS	2001	240
2008	11	24	OFF-HIGHWAY TRACTORS	1997	240
2008	11	25	OFF-HIGHWAY TRACTORS	1998	240
2008	11	26	OFF-HIGHWAY TRACTORS	1999	240
2008	11	27	OFF-HIGHWAY TRACTORS	1997	240
2008	11	28	OFF-HIGHWAY TRACTORS	1997	240
2008	11	29	OFF-HIGHWAY TRACTORS	1996	240
2008	11	30	OFF-HIGHWAY TRACTORS	1999	240

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	11	31	OFF-HIGHWAY TRACTORS	1999	240
2008	11	32	OFF-HIGHWAY TRACTORS	1996	330
2008	11	33	OFF-HIGHWAY TRACTORS	1996	330
2008	11	34	OFF-HIGHWAY TRACTORS	1996	330
2008	11	35	OFF-HIGHWAY TRACTORS	1996	330
2008	11	36	OFF-HIGHWAY TRACTORS	1996	330
2008	11	37	OFF-HIGHWAY TRACTORS	2000	330
2008	11	38	RUBBER TIRED LOADERS	2000	250
2008	11	39	RUBBER TIRED LOADERS	2004	250
2008	11	40	RUBBER TIRED DOZERS	2003	140
2008	11	41	RUBBER TIRED DOZERS	1998	200
2008	11	42	RUBBER TIRED DOZERS	2003	200
2008	11	43	RUBBER TIRED DOZERS	2003	200
2008	11	44	RUBBER TIRED DOZERS	2002	200
2008	11	45	RUBBER TIRED DOZERS	2003	310
2008	11	46	RUBBER TIRED DOZERS	1999	310
2008	11	47	OFF-HIGHWAY TRACTORS	2003	150
2008	11	48	OFF-HIGHWAY TRACTORS	2002	150
2008	11	49	EXCAVATORS	2004	500
2008	11	50	GRADERS	1999	240
2008	11	51	SCRAPERS	1999	175
2008	11	52	SCRAPERS	1998	175
2008	11	53	SCRAPERS	2001	265
2008	11	54	OFF-HIGHWAY TRACTORS	2001	240
2008	11	55	OFF-HIGHWAY TRACTORS	1996	240
2008	11	56	OFF-HIGHWAY TRACTORS	1999	240
2008	11	57	OFF-HIGHWAY TRACTORS	1980	330
2008	11	58	OFF-HIGHWAY TRACTORS	1985	330
2008	11	59	RUBBER TIRED LOADERS	2003	250
2008	11	60	RUBBER TIRED LOADERS	1999	250
2008	11	61	RUBBER TIRED LOADERS	2004	185
2008	11	62	RUBBER TIRED DOZERS	1997	310
2008	11	63	RUBBER TIRED DOZERS	2001	200
2008	11	64	RUBBER TIRED DOZERS	2004	140
2008	11	65	RUBBER TIRED DOZERS	1998	140
2008	11	66	OFF-HIGHWAY TRACTORS	2002	175
2008	11	67	OFF-HIGHWAY TRACTORS	1994	175
2008	11	68	OFF-HIGHWAY TRACTORS	1996	175
2008	11	69	OFF-HIGHWAY TRACTORS	1996	175
2008	11	70	OFF-HIGHWAY TRACTORS	1996	175
2008	11	71	OFF-HIGHWAY TRACTORS	1996	175
2008	11	72	OFF-HIGHWAY TRACTORS	1990	175
2008	11	73	OFF-HIGHWAY TRACTORS	2003	150
2008	11	74	RUBBER TIRED DOZERS	2004	200

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	11	75	RUBBER TIRED DOZERS	2005	200
2008	11	76	RUBBER TIRED LOADERS	1996	200
Fleet 12					
2008	12	1	TRACTORS/LOADERS/BACKHOES	2003	88
2008	12	2	TRACTORS/LOADERS/BACKHOES	2003	88
2008	12	3	TRACTORS/LOADERS/BACKHOES	2003	88
2008	12	4	TRACTORS/LOADERS/BACKHOES	2003	88
2008	12	5	TRACTORS/LOADERS/BACKHOES	2003	88
2008	12	6	TRACTORS/LOADERS/BACKHOES	2002	88
2008	12	7	TRACTORS/LOADERS/BACKHOES	2002	88
2008	12	8	TRACTORS/LOADERS/BACKHOES	2002	88
2008	12	9	TRACTORS/LOADERS/BACKHOES	2002	88
2008	12	10	TRACTORS/LOADERS/BACKHOES	2002	88
2008	12	11	TRACTORS/LOADERS/BACKHOES	2002	88
2008	12	12	TRACTORS/LOADERS/BACKHOES	2004	88
2008	12	13	TRACTORS/LOADERS/BACKHOES	2004	88
2008	12	14	TRACTORS/LOADERS/BACKHOES	2004	88
2008	12	15	TRACTORS/LOADERS/BACKHOES	2005	88
2008	12	16	TRACTORS/LOADERS/BACKHOES	2005	88
2008	12	17	TRACTORS/LOADERS/BACKHOES	2005	88
2008	12	18	TRACTORS/LOADERS/BACKHOES	2005	88
2008	12	19	EXCAVATORS	1996	128
2008	12	20	EXCAVATORS	2003	138
2008	12	21	EXCAVATORS	1998	222
2008	12	22	EXCAVATORS	2001	138
2008	12	23	EXCAVATORS	2004	321
2008	12	24	EXCAVATORS	2002	247
2008	12	25	EXCAVATORS	2004	247
2008	12	26	EXCAVATORS	2002	247
2008	12	27	EXCAVATORS	2002	247
2008	12	28	SCRAPERS	1999	265
2008	12	29	SCRAPERS	1990	330
2008	12	30	SCRAPERS	1990	265
2008	12	31	SCRAPERS	1990	330
2008	12	32	SCRAPERS	1990	265
2008	12	33	SCRAPERS	2000	265
2008	12	34	RUBBER TIRED LOADERS	1994	170
2008	12	35	RUBBER TIRED LOADERS	1997	170
2008	12	36	RUBBER TIRED LOADERS	1977	260
2008	12	37	RUBBER TIRED LOADERS	1989	270
2008	12	38	RUBBER TIRED LOADERS	1996	125
2008	12	39	RUBBER TIRED LOADERS	1997	125
2008	12	40	RUBBER TIRED LOADERS	2002	183
2008	12	41	OTHER CONSTRUCTION EQUIPMENT	2003	80

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	12	42	OTHER CONSTRUCTION EQUIPMENT	2003	80
2008	12	43	OTHER CONSTRUCTION EQUIPMENT	2002	80
2008	12	44	OTHER CONSTRUCTION EQUIPMENT	2002	80
2008	12	45	OTHER CONSTRUCTION EQUIPMENT	2001	80
2008	12	46	OTHER CONSTRUCTION EQUIPMENT	2001	80
2008	12	47	OTHER CONSTRUCTION EQUIPMENT	2003	80
2008	12	48	OTHER CONSTRUCTION EQUIPMENT	2003	80
2008	12	49	OTHER CONSTRUCTION EQUIPMENT	2004	80
2008	12	50	OTHER CONSTRUCTION EQUIPMENT	2004	80
2008	12	51	OTHER CONSTRUCTION EQUIPMENT	2005	80
2008	12	52	OTHER CONSTRUCTION EQUIPMENT	2005	80
2008	12	53	OTHER CONSTRUCTION EQUIPMENT	2005	80
2008	12	54	OTHER CONSTRUCTION EQUIPMENT	2005	80
2008	12	55	GRADERS	1980	135
2008	12	56	GRADERS	1994	150
2008	12	57	GRADERS	1999	215
2008	12	58	GRADERS	1999	215
2008	12	59	GRADERS	2002	165
2008	12	60	GRADERS	2000	165
2008	12	61	RUBBER TIRED DOZERS	1999	110
2008	12	62	RUBBER TIRED DOZERS	1999	110
2008	12	63	RUBBER TIRED DOZERS	1999	110
2008	12	64	RUBBER TIRED DOZERS	1999	140
2008	12	65	RUBBER TIRED DOZERS	1997	305
2008	12	66	RUBBER TIRED DOZERS	1987	165
2008	12	67	RUBBER TIRED DOZERS	2001	110
2008	12	68	RUBBER TIRED DOZERS	2001	110
2008	12	69	RUBBER TIRED DOZERS	2000	110
2008	12	70	RUBBER TIRED DOZERS	2004	121
2008	12	71	SKID STEER LOADERS	2002	74
2008	12	72	PAVERS	2002	174
2008	12	73	PAVERS	2005	223
2008	12	74	OTHER CONSTRUCTION EQUIPMENT	1987	125
2008	12	75	OTHER CONSTRUCTION EQUIPMENT	1998	125
2008	12	76	OTHER CONSTRUCTION EQUIPMENT	2000	125
2008	12	77	OTHER CONSTRUCTION EQUIPMENT	1986	74
2008	12	78	ROLLERS	2002	31
2008	12	79	ROLLERS	1997	42
2008	12	80	ROLLERS	2001	105
2008	12	81	ROLLERS	2001	105
2008	12	82	ROLLERS	1990	155
2008	12	83	ROLLERS	2004	44
2008	12	84	ROLLERS	2004	44
2008	12	85	ROLLERS	2001	105

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	12	86	ROLLERS	2005	30
2008	12	87	ROLLERS	2002	105
2008	12	88	ROLLERS	1997	120
2008	12	89	ROLLERS	2001	153
2008	12	90	ROLLERS	2002	153
2008	12	91	ROLLERS	2002	105
2008	12	92	ROLLERS	2004	150
2008	12	93	ROLLERS	2004	150
2008	12	94	PAVING EQUIPMENT	1993	72
2008	12	95	PAVING EQUIPMENT	2000	153
2008	12	96	PAVING EQUIPMENT	1997	145
2008	12	97	PAVING EQUIPMENT	2002	100
2008	12	98	PAVING EQUIPMENT	1970	170
2008	12	99	PAVING EQUIPMENT	1988	216
2008	12	100	PAVING EQUIPMENT	1991	216
2008	12	101	PAVING EQUIPMENT	1991	315
2008	12	102	ROUGH TERRAIN FORKLIFTS	1996	65
Fleet 13					
2008	13	6708	CRAWLER TRACTORS	1996	165
2008	13	6709	EXCAVATORS	2006	176
2008	13	6710	RUBBER TIRED LOADERS	2006	85
2008	13	6711	RUBBER TIRED LOADERS	2005	74
2008	13	6712	RUBBER TIRED LOADERS	1991	70
2008	13	6713	EXCAVATORS	1991	78
2008	13	6714	SCRAPERS	1983	150
2008	13	6715	RUBBER TIRED LOADERS	1985	80
2008	13	6716	CRAWLER TRACTORS	1987	105
2008	13	6717	CRAWLER TRACTORS	1991	120
2008	13	6718	RUBBER TIRED LOADERS	1990	155
2008	13	6719	GRADERS	1991	135
Fleet 14					
2008	14	74	TRACTORS/LOADERS/BACKHOES	1999	90
2008	14	448	CRANES	1996	245
2008	14	449	CRANES	1995	155
2008	14	450	CRANES	1992	155
2008	14	472	CRAWLER TRACTORS	1992	90
2008	14	544	CRAWLER TRACTORS	1995	680
2008	14	545	CRAWLER TRACTORS	1983	140
2008	14	546	CRAWLER TRACTORS	1972	180
2008	14	1131	EXCAVATORS	2000	153
2008	14	1600	GRADERS	1986	157
2008	14	3025	ROLLERS	2000	107
2008	14	3026	ROLLERS	2002	107
2008	14	3673	SKID STEER LOADERS	1988	57

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	14	4367	TRACTORS/LOADERS/BACKHOES	2005	300
2008	14	4368	TRACTORS/LOADERS/BACKHOES	2004	265
2008	14	4369	TRACTORS/LOADERS/BACKHOES	1986	260
2008	14	4370	TRACTORS/LOADERS/BACKHOES	1992	216
2008	14	4371	TRACTORS/LOADERS/BACKHOES	1982	170
2008	14	4372	TRACTORS/LOADERS/BACKHOES	1971	120
2008	14	4373	TRACTORS/LOADERS/BACKHOES	1998	70
Fleet 15					
2008	15	9243	OFF-HIGHWAY TRUCKS	1975	474
2008	15	9244	OFF-HIGHWAY TRUCKS	1975	270
2008	15	9245	SCRAPERS	1975	569
2008	15	9260	OFF-HIGHWAY TRUCKS	1976	474
2008	15	9261	OFF-HIGHWAY TRUCKS	1976	270
2008	15	9262	SCRAPERS	1976	577
2008	15	9263	SCRAPERS	1976	569
2008	15	9264	SCRAPERS	1976	569
2008	15	9265	SCRAPERS	1976	569
2008	15	9284	SCRAPERS	1977	569
2008	15	9285	SCRAPERS	1977	569
2008	15	9286	SCRAPERS	1977	569
2008	15	9287	SCRAPERS	1977	569
2008	15	9288	SCRAPERS	1977	569
2008	15	9307	SCRAPERS	1978	569
2008	15	9308	SCRAPERS	1978	569
2008	15	9309	SCRAPERS	1978	432
2008	15	9310	SCRAPERS	1978	432
2008	15	9311	SCRAPERS	1978	569
2008	15	9312	SCRAPERS	1978	569
2008	15	9320	SCRAPERS	1979	569
2008	15	9321	SCRAPERS	1979	569
2008	15	9340	SCRAPERS	1980	569
2008	15	9341	SCRAPERS	1980	569
2008	15	9342	SCRAPERS	1980	569
2008	15	9343	SCRAPERS	1980	569
2008	15	9344	SCRAPERS	1980	432
2008	15	9345	SCRAPERS	1980	432
2008	15	9346	SCRAPERS	1980	432
2008	15	9347	SCRAPERS	1980	432
2008	15	9348	SCRAPERS	1980	569
2008	15	9349	SCRAPERS	1980	569
2008	15	9383	SCRAPERS	1981	569
2008	15	9384	SCRAPERS	1981	569
2008	15	9385	SCRAPERS	1981	569
2008	15	9386	SCRAPERS	1981	569

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	15	9387	SCRAPERS	1981	432
2008	15	9388	SCRAPERS	1981	432
2008	15	9389	SCRAPERS	1981	432
2008	15	9390	SCRAPERS	1981	432
2008	15	9391	SCRAPERS	1981	569
2008	15	9392	SCRAPERS	1981	569
2008	15	9393	SCRAPERS	1981	569
2008	15	9394	SCRAPERS	1981	569
2008	15	9427	GRADERS	1982	200
2008	15	9428	CRAWLER TRACTORS	1982	700
2008	15	9467	CRAWLER TRACTORS	1983	700
2008	15	9468	CRAWLER TRACTORS	1983	700
2008	15	9469	SCRAPERS	1983	569
2008	15	9470	SCRAPERS	1983	569
2008	15	9471	SCRAPERS	1983	569
2008	15	9472	SCRAPERS	1983	569
2008	15	9473	SCRAPERS	1983	569
2008	15	9474	SCRAPERS	1983	569
2008	15	9499	GRADERS	1984	275
2008	15	9500	GRADERS	1984	275
2008	15	9501	SCRAPERS	1984	569
2008	15	9545	ROLLERS	1986	310
2008	15	9546	ROLLERS	1986	450
2008	15	9584	ROLLERS	1987	310
2008	15	9695	SCRAPERS	1989	550
2008	15	9696	SCRAPERS	1989	550
2008	15	9697	SCRAPERS	1989	550
2008	15	9698	SCRAPERS	1989	400
2008	15	9699	SCRAPERS	1989	400
2008	15	9700	SCRAPERS	1989	400
2008	15	9701	CRAWLER TRACTORS	1989	700
2008	15	9774	SCRAPERS	1990	550
2008	15	9775	SCRAPERS	1990	550
2008	15	9776	SCRAPERS	1990	550
2008	15	9777	SCRAPERS	1990	550
2008	15	9778	SCRAPERS	1990	550
2008	15	9779	SCRAPERS	1990	400
2008	15	9780	SCRAPERS	1990	400
2008	15	9781	SCRAPERS	1990	400
2008	15	9782	SCRAPERS	1990	400
2008	15	9783	SCRAPERS	1990	400
2008	15	9784	SCRAPERS	1990	577
2008	15	9890	SCRAPERS	1991	450
2008	15	9891	SCRAPERS	1991	450

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	15	9892	SCRAPERS	1991	450
2008	15	9893	SCRAPERS	1991	450
2008	15	9894	SCRAPERS	1991	250
2008	15	9895	SCRAPERS	1991	250
2008	15	9896	SCRAPERS	1991	250
2008	15	9897	SCRAPERS	1991	250
2008	15	9898	CRAWLER TRACTORS	1991	370
2008	15	9899	CRAWLER TRACTORS	1991	370
2008	15	9900	ROLLERS	1991	310
2008	15	9901	SCRAPERS	1991	577
2008	15	9902	SCRAPERS	1991	569
2008	15	9903	SCRAPERS	1991	577
2008	15	9904	SCRAPERS	1991	577
2008	15	9905	SCRAPERS	1991	577
2008	15	9906	SCRAPERS	1991	577
2008	15	10009	CRAWLER TRACTORS	1992	520
2008	15	10010	CRAWLER TRACTORS	1992	520
2008	15	10011	CRAWLER TRACTORS	1992	520
2008	15	10012	CRAWLER TRACTORS	1992	520
2008	15	10013	CRAWLER TRACTORS	1992	520
2008	15	10014	ROLLERS	1992	310
2008	15	10015	ROLLERS	1992	450
2008	15	10016	SCRAPERS	1992	577
2008	15	10017	SCRAPERS	1992	577
2008	15	10103	SCRAPERS	1993	450
2008	15	10104	SCRAPERS	1993	250
2008	15	10105	CRAWLER TRACTORS	1993	370
2008	15	10106	CRAWLER TRACTORS	1993	520
2008	15	10167	OFF-HIGHWAY TRUCKS	1994	682
2008	15	10168	CRAWLER TRACTORS	1994	520
2008	15	10169	CRAWLER TRACTORS	1994	520
2008	15	10170	CRAWLER TRACTORS	1994	520
2008	15	10171	CRAWLER TRACTORS	1994	520
2008	15	10172	ROLLERS	1994	310
2008	15	10173	RUBBER TIRED LOADERS	1994	170
2008	15	10204	OFF-HIGHWAY TRUCKS	1995	682
2008	15	10205	CRAWLER TRACTORS	1995	520
2008	15	10248	OFF-HIGHWAY TRUCKS	1996	682
2008	15	10249	OFF-HIGHWAY TRUCKS	1996	682
2008	15	10250	OFF-HIGHWAY TRUCKS	1996	682
2008	15	10251	OFF-HIGHWAY TRUCKS	1996	682
2008	15	10252	CRAWLER TRACTORS	1996	520
2008	15	10253	CRAWLER TRACTORS	1996	520
2008	15	10254	CRAWLER TRACTORS	1996	520

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	15	10299	CRAWLER TRACTORS	1997	520
2008	15	10300	RUBBER TIRED LOADERS	1997	170
2008	15	10376	GRADERS	1998	275
2008	15	10377	GRADERS	1998	275
2008	15	10378	CRAWLER TRACTORS	1998	520
2008	15	10379	CRAWLER TRACTORS	1998	520
2008	15	10380	ROLLERS	1998	450
2008	15	10381	ROLLERS	1998	450
2008	15	10442	RUBBER TIRED LOADERS	1999	170
2008	15	10774	CRAWLER TRACTORS	2002	400
2008	15	10775	CRAWLER TRACTORS	2002	400
2008	15	10776	RUBBER TIRED LOADERS	2002	233
2008	15	10777	RUBBER TIRED LOADERS	2002	800
2008	15	10843	RUBBER TIRED LOADERS	2003	180
2008	15	10945	EXCAVATORS	2004	174
2008	15	10946	EXCAVATORS	2004	321
2008	15	10947	SCRAPERS	2004	550
2008	15	10948	SCRAPERS	2004	450
2008	15	10949	OFF-HIGHWAY TRUCKS	2004	938
2008	15	10950	OFF-HIGHWAY TRUCKS	2004	938
2008	15	10951	OFF-HIGHWAY TRUCKS	2004	938
2008	15	10952	CRAWLER TRACTORS	2004	302
2008	15	10953	CRAWLER TRACTORS	2004	302
2008	15	10954	CRAWLER TRACTORS	2004	443
2008	15	10955	CRAWLER TRACTORS	2004	443
2008	15	10956	CRAWLER TRACTORS	2004	443
2008	15	10957	CRAWLER TRACTORS	2004	443
2008	15	10958	CRAWLER TRACTORS	2004	613
2008	15	10959	ROLLERS	2004	460
2008	15	10960	ROLLERS	2004	460
2008	15	10961	RUBBER TIRED LOADERS	2004	275
2008	15	11048	OFF-HIGHWAY TRUCKS	2005	441
2008	15	11049	EXCAVATORS	2005	321
2008	15	11050	SCRAPERS	2005	450
2008	15	11051	SCRAPERS	2005	450
2008	15	11052	SCRAPERS	2005	450
2008	15	11053	SCRAPERS	2005	450
2008	15	11054	SCRAPERS	2005	450
2008	15	11055	SCRAPERS	2005	250
2008	15	11056	SCRAPERS	2005	250
2008	15	11057	SCRAPERS	2005	250
2008	15	11058	SCRAPERS	2005	250
2008	15	11059	SCRAPERS	2005	250
2008	15	11060	CRAWLER TRACTORS	2005	110

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	15	11061	CRAWLER TRACTORS	2005	613
2008	15	11062	CRAWLER TRACTORS	2005	613
2008	15	11063	ROLLERS	2005	340
2008	15	11064	ROLLERS	2005	380
2008	15	11065	RUBBER TIRED LOADERS	2005	180
2008	15	11066	SCRAPERS	2005	577
2008	15	11067	SCRAPERS	2005	577
2008	15	11068	SCRAPERS	2005	577
2008	15	11069	SCRAPERS	2005	577
2008	15	11137	EXCAVATORS	2006	138
2008	15	11138	EXCAVATORS	2006	640
2008	15	11139	CRAWLER TRACTORS	2006	175
2008	15	11140	ROLLERS	2006	340
2008	15	11206	TRACTORS/LOADERS/BACKHOES	2007	88
2008	15	11207	TRACTORS/LOADERS/BACKHOES	2007	88
2008	15	11208	TRACTORS/LOADERS/BACKHOES	2007	98
2008	15	11209	CRAWLER TRACTORS	2007	307
2008	15	11210	CRAWLER TRACTORS	2007	613
2008	15	11211	ROLLERS	2007	380
2008	15	11212	RUBBER TIRED LOADERS	2007	246
2008	15	11213	SCRAPERS	2007	550
2008	15	11214	SCRAPERS	2007	550
2008	15	11215	SCRAPERS	2007	550
2008	15	11216	SCRAPERS	2007	550
2008	15	11217	SCRAPERS	2007	550
2008	15	11218	SCRAPERS	2007	550
2008	15	11219	SCRAPERS	2007	550
2008	15	11328	CRAWLER TRACTORS	2008	347
2008	15	11329	CRAWLER TRACTORS	2008	464
2008	15	11330	CRAWLER TRACTORS	2008	464
2008	15	11331	CRAWLER TRACTORS	2008	613
2008	15	11332	ROLLERS	2008	340
2008	15	11333	ROLLERS	2008	380
2008	15	11334	ROLLERS	2008	380
2008	15	11335	ROLLERS	2008	380
2008	15	11336	RUBBER TIRED LOADERS	2008	206
2008	15	11337	SCRAPERS	2008	550
2008	15	11338	SCRAPERS	2008	550
2008	15	11339	SCRAPERS	2008	550
2008	15	11340	SCRAPERS	2008	550
2008	15	11341	SCRAPERS	2008	550
2008	15	11342	SCRAPERS	2008	550
2008	15	11343	SCRAPERS	2008	550
2008	15	11344	SCRAPERS	2008	550

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	15	11345	SCRAPERS	2008	550
2008	15	11346	SCRAPERS	2008	550
2008	15	11347	SCRAPERS	2008	550
2008	15	11348	SCRAPERS	2008	550
2008	15	11349	SCRAPERS	2008	550
2008	15	11350	SCRAPERS	2008	550
2008	15	11351	SCRAPERS	2008	550
2008	15	11352	SCRAPERS	2008	550
2008	15	11353	SCRAPERS	2008	550
2008	15	11354	SCRAPERS	2008	550
2008	15	11355	SCRAPERS	2008	550
Fleet 16					
2008	16	9239	OFF-HIGHWAY TRUCKS	1975	474
2008	16	9240	OFF-HIGHWAY TRUCKS	1975	270
2008	16	9241	SCRAPERS	1975	569
2008	16	9252	OFF-HIGHWAY TRUCKS	1976	474
2008	16	9253	OFF-HIGHWAY TRUCKS	1976	270
2008	16	9254	SCRAPERS	1976	577
2008	16	9255	SCRAPERS	1976	569
2008	16	9256	SCRAPERS	1976	569
2008	16	9257	SCRAPERS	1976	569
2008	16	9272	SCRAPERS	1977	569
2008	16	9273	SCRAPERS	1977	569
2008	16	9274	SCRAPERS	1977	569
2008	16	9275	SCRAPERS	1977	569
2008	16	9276	SCRAPERS	1977	569
2008	16	9294	SCRAPERS	1978	569
2008	16	9295	SCRAPERS	1978	569
2008	16	9296	SCRAPERS	1978	432
2008	16	9297	SCRAPERS	1978	432
2008	16	9298	SCRAPERS	1978	569
2008	16	9299	SCRAPERS	1978	569
2008	16	9315	SCRAPERS	1979	569
2008	16	9316	SCRAPERS	1979	569
2008	16	9326	SCRAPERS	1980	569
2008	16	9327	SCRAPERS	1980	569
2008	16	9328	SCRAPERS	1980	569
2008	16	9329	SCRAPERS	1980	569
2008	16	9330	SCRAPERS	1980	432
2008	16	9331	SCRAPERS	1980	432
2008	16	9332	SCRAPERS	1980	432
2008	16	9333	SCRAPERS	1980	432
2008	16	9334	SCRAPERS	1980	569
2008	16	9335	SCRAPERS	1980	569

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	16	9366	SCRAPERS	1981	569
2008	16	9367	SCRAPERS	1981	569
2008	16	9368	SCRAPERS	1981	569
2008	16	9369	SCRAPERS	1981	569
2008	16	9370	SCRAPERS	1981	432
2008	16	9371	SCRAPERS	1981	432
2008	16	9372	SCRAPERS	1981	432
2008	16	9373	SCRAPERS	1981	432
2008	16	9374	SCRAPERS	1981	569
2008	16	9375	SCRAPERS	1981	569
2008	16	9376	SCRAPERS	1981	569
2008	16	9377	SCRAPERS	1981	569
2008	16	9417	GRADERS	1982	200
2008	16	9418	CRAWLER TRACTORS	1982	700
2008	16	9449	CRAWLER TRACTORS	1983	700
2008	16	9450	CRAWLER TRACTORS	1983	700
2008	16	9451	SCRAPERS	1983	569
2008	16	9452	SCRAPERS	1983	569
2008	16	9453	SCRAPERS	1983	569
2008	16	9454	SCRAPERS	1983	569
2008	16	9455	SCRAPERS	1983	569
2008	16	9456	SCRAPERS	1983	569
2008	16	9491	GRADERS	1984	275
2008	16	9492	GRADERS	1984	275
2008	16	9493	SCRAPERS	1984	569
2008	16	9533	ROLLERS	1986	310
2008	16	9534	ROLLERS	1986	450
2008	16	9568	SCRAPERS	1987	550
2008	16	9569	SCRAPERS	1987	550
2008	16	9570	SCRAPERS	1987	400
2008	16	9571	SCRAPERS	1987	400
2008	16	9572	ROLLERS	1987	310
2008	16	9625	SCRAPERS	1988	550
2008	16	9626	SCRAPERS	1988	550
2008	16	9627	SCRAPERS	1988	550
2008	16	9628	SCRAPERS	1988	550
2008	16	9629	SCRAPERS	1988	550
2008	16	9630	SCRAPERS	1988	400
2008	16	9631	SCRAPERS	1988	400
2008	16	9632	SCRAPERS	1988	400
2008	16	9633	SCRAPERS	1988	400
2008	16	9634	SCRAPERS	1988	400
2008	16	9670	SCRAPERS	1989	550
2008	16	9671	SCRAPERS	1989	550

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	16	9672	SCRAPERS	1989	550
2008	16	9673	SCRAPERS	1989	550
2008	16	9674	SCRAPERS	1989	550
2008	16	9675	SCRAPERS	1989	550
2008	16	9676	SCRAPERS	1989	400
2008	16	9677	SCRAPERS	1989	400
2008	16	9678	SCRAPERS	1989	400
2008	16	9679	SCRAPERS	1989	400
2008	16	9680	SCRAPERS	1989	400
2008	16	9681	SCRAPERS	1989	400
2008	16	9682	CRAWLER TRACTORS	1989	700
2008	16	9743	SCRAPERS	1990	550
2008	16	9744	SCRAPERS	1990	550
2008	16	9745	SCRAPERS	1990	550
2008	16	9746	SCRAPERS	1990	550
2008	16	9747	SCRAPERS	1990	550
2008	16	9748	SCRAPERS	1990	550
2008	16	9749	SCRAPERS	1990	550
2008	16	9750	SCRAPERS	1990	400
2008	16	9751	SCRAPERS	1990	400
2008	16	9752	SCRAPERS	1990	400
2008	16	9753	SCRAPERS	1990	400
2008	16	9754	SCRAPERS	1990	400
2008	16	9755	SCRAPERS	1990	400
2008	16	9756	SCRAPERS	1990	400
2008	16	9757	SCRAPERS	1990	577
2008	16	9850	SCRAPERS	1991	450
2008	16	9851	SCRAPERS	1991	450
2008	16	9852	SCRAPERS	1991	450
2008	16	9853	SCRAPERS	1991	450
2008	16	9854	SCRAPERS	1991	550
2008	16	9855	SCRAPERS	1991	550
2008	16	9856	SCRAPERS	1991	250
2008	16	9857	SCRAPERS	1991	250
2008	16	9858	SCRAPERS	1991	250
2008	16	9859	SCRAPERS	1991	250
2008	16	9860	SCRAPERS	1991	400
2008	16	9861	SCRAPERS	1991	400
2008	16	9862	CRAWLER TRACTORS	1991	370
2008	16	9863	CRAWLER TRACTORS	1991	370
2008	16	9864	ROLLERS	1991	310
2008	16	9865	SCRAPERS	1991	577
2008	16	9866	SCRAPERS	1991	569
2008	16	9867	SCRAPERS	1991	577

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	16	9868	SCRAPERS	1991	577
2008	16	9869	SCRAPERS	1991	577
2008	16	9870	SCRAPERS	1991	577
2008	16	9974	SCRAPERS	1992	550
2008	16	9975	SCRAPERS	1992	550
2008	16	9976	SCRAPERS	1992	550
2008	16	9977	SCRAPERS	1992	550
2008	16	9978	SCRAPERS	1992	550
2008	16	9979	SCRAPERS	1992	550
2008	16	9980	SCRAPERS	1992	400
2008	16	9981	SCRAPERS	1992	400
2008	16	9982	SCRAPERS	1992	400
2008	16	9983	SCRAPERS	1992	400
2008	16	9984	SCRAPERS	1992	400
2008	16	9985	SCRAPERS	1992	400
2008	16	9986	CRAWLER TRACTORS	1992	520
2008	16	9987	CRAWLER TRACTORS	1992	520
2008	16	9988	CRAWLER TRACTORS	1992	520
2008	16	9989	CRAWLER TRACTORS	1992	520
2008	16	9990	CRAWLER TRACTORS	1992	520
2008	16	9991	ROLLERS	1992	310
2008	16	9992	ROLLERS	1992	450
2008	16	9993	SCRAPERS	1992	577
2008	16	9994	SCRAPERS	1992	577
2008	16	10083	SCRAPERS	1993	450
2008	16	10084	SCRAPERS	1993	250
2008	16	10085	CRAWLER TRACTORS	1993	370
2008	16	10086	CRAWLER TRACTORS	1993	520
2008	16	10148	SCRAPERS	1994	550
2008	16	10149	SCRAPERS	1994	400
2008	16	10150	OFF-HIGHWAY TRUCKS	1994	682
2008	16	10151	CRAWLER TRACTORS	1994	520
2008	16	10152	CRAWLER TRACTORS	1994	520
2008	16	10153	CRAWLER TRACTORS	1994	520
2008	16	10154	CRAWLER TRACTORS	1994	520
2008	16	10155	ROLLERS	1994	310
2008	16	10156	RUBBER TIRED LOADERS	1994	170
2008	16	10193	OFF-HIGHWAY TRUCKS	1995	682
2008	16	10194	CRAWLER TRACTORS	1995	520
2008	16	10233	OFF-HIGHWAY TRUCKS	1996	682
2008	16	10234	OFF-HIGHWAY TRUCKS	1996	682
2008	16	10235	OFF-HIGHWAY TRUCKS	1996	682
2008	16	10236	OFF-HIGHWAY TRUCKS	1996	682
2008	16	10237	CRAWLER TRACTORS	1996	520

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	16	10238	CRAWLER TRACTORS	1996	520
2008	16	10239	CRAWLER TRACTORS	1996	520
2008	16	10289	CRAWLER TRACTORS	1997	520
2008	16	10290	RUBBER TIRED LOADERS	1997	170
2008	16	10347	GRADERS	1998	275
2008	16	10348	GRADERS	1998	275
2008	16	10349	SCRAPERS	1998	550
2008	16	10350	SCRAPERS	1998	550
2008	16	10351	SCRAPERS	1998	400
2008	16	10352	SCRAPERS	1998	400
2008	16	10353	CRAWLER TRACTORS	1998	520
2008	16	10354	CRAWLER TRACTORS	1998	520
2008	16	10355	ROLLERS	1998	450
2008	16	10356	ROLLERS	1998	450
2008	16	10426	RUBBER TIRED LOADERS	1999	170
2008	16	10530	SCRAPERS	2000	550
2008	16	10531	SCRAPERS	2000	550
2008	16	10532	SCRAPERS	2000	550
2008	16	10533	SCRAPERS	2000	550
2008	16	10534	SCRAPERS	2000	400
2008	16	10535	SCRAPERS	2000	400
2008	16	10536	SCRAPERS	2000	400
2008	16	10537	SCRAPERS	2000	400
2008	16	10538	ROUGH TERRAIN FORKLIFTS	2000	101
2008	16	10633	ROUGH TERRAIN FORKLIFTS	2001	101
2008	16	10733	CRAWLER TRACTORS	2002	400
2008	16	10734	CRAWLER TRACTORS	2002	400
2008	16	10735	RUBBER TIRED LOADERS	2002	233
2008	16	10736	RUBBER TIRED LOADERS	2002	800
2008	16	10821	SCRAPERS	2003	550
2008	16	10822	SCRAPERS	2003	550
2008	16	10823	SCRAPERS	2003	400
2008	16	10824	SCRAPERS	2003	400
2008	16	10825	RUBBER TIRED LOADERS	2003	180
2008	16	10915	EXCAVATORS	2004	174
2008	16	10916	EXCAVATORS	2004	321
2008	16	10917	SCRAPERS	2004	550
2008	16	10918	SCRAPERS	2004	450
2008	16	10919	OFF-HIGHWAY TRUCKS	2004	938
2008	16	10920	OFF-HIGHWAY TRUCKS	2004	938
2008	16	10921	OFF-HIGHWAY TRUCKS	2004	938
2008	16	10922	CRAWLER TRACTORS	2004	302
2008	16	10923	CRAWLER TRACTORS	2004	302
2008	16	10924	CRAWLER TRACTORS	2004	443

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	16	10925	CRAWLER TRACTORS	2004	443
2008	16	10926	CRAWLER TRACTORS	2004	443
2008	16	10927	CRAWLER TRACTORS	2004	443
2008	16	10928	CRAWLER TRACTORS	2004	613
2008	16	10929	ROLLERS	2004	460
2008	16	10930	ROLLERS	2004	460
2008	16	10931	RUBBER TIRED LOADERS	2004	275
2008	16	11019	OFF-HIGHWAY TRUCKS	2005	441
2008	16	11020	EXCAVATORS	2005	321
2008	16	11021	SCRAPERS	2005	450
2008	16	11022	SCRAPERS	2005	450
2008	16	11023	SCRAPERS	2005	450
2008	16	11024	SCRAPERS	2005	450
2008	16	11025	SCRAPERS	2005	450
2008	16	11026	SCRAPERS	2005	250
2008	16	11027	SCRAPERS	2005	250
2008	16	11028	SCRAPERS	2005	250
2008	16	11029	SCRAPERS	2005	250
2008	16	11030	SCRAPERS	2005	250
2008	16	11031	CRAWLER TRACTORS	2005	110
2008	16	11032	CRAWLER TRACTORS	2005	613
2008	16	11033	CRAWLER TRACTORS	2005	613
2008	16	11034	ROLLERS	2005	340
2008	16	11035	ROLLERS	2005	380
2008	16	11036	RUBBER TIRED LOADERS	2005	180
2008	16	11037	SCRAPERS	2005	577
2008	16	11038	SCRAPERS	2005	577
2008	16	11039	SCRAPERS	2005	577
2008	16	11040	SCRAPERS	2005	577
2008	16	11124	EXCAVATORS	2006	138
2008	16	11125	EXCAVATORS	2006	640
2008	16	11126	SCRAPERS	2006	550
2008	16	11127	SCRAPERS	2006	550
2008	16	11128	SCRAPERS	2006	450
2008	16	11129	SCRAPERS	2006	450
2008	16	11130	CRAWLER TRACTORS	2006	175
2008	16	11131	ROLLERS	2006	340
2008	16	11185	TRACTORS/LOADERS/BACKHOES	2007	88
2008	16	11186	TRACTORS/LOADERS/BACKHOES	2007	88
2008	16	11187	TRACTORS/LOADERS/BACKHOES	2007	98
2008	16	11188	CRAWLER TRACTORS	2007	307
2008	16	11189	CRAWLER TRACTORS	2007	613
2008	16	11190	ROLLERS	2007	380
2008	16	11191	RUBBER TIRED LOADERS	2007	246

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	16	11192	SCRAPERS	2007	550
2008	16	11193	SCRAPERS	2007	550
2008	16	11194	SCRAPERS	2007	550
2008	16	11195	SCRAPERS	2007	550
2008	16	11196	SCRAPERS	2007	550
2008	16	11197	SCRAPERS	2007	550
2008	16	11198	SCRAPERS	2007	550
2008	16	11283	ROUGH TERRAIN FORKLIFTS	2008	120
2008	16	11284	CRAWLER TRACTORS	2008	347
2008	16	11285	CRAWLER TRACTORS	2008	464
2008	16	11286	CRAWLER TRACTORS	2008	464
2008	16	11287	CRAWLER TRACTORS	2008	613
2008	16	11288	ROLLERS	2008	340
2008	16	11289	ROLLERS	2008	380
2008	16	11290	ROLLERS	2008	380
2008	16	11291	ROLLERS	2008	380
2008	16	11292	RUBBER TIRED LOADERS	2008	206
2008	16	11293	SCRAPERS	2008	550
2008	16	11294	SCRAPERS	2008	550
2008	16	11295	SCRAPERS	2008	550
2008	16	11296	SCRAPERS	2008	550
2008	16	11297	SCRAPERS	2008	550
2008	16	11298	SCRAPERS	2008	550
2008	16	11299	SCRAPERS	2008	550
2008	16	11300	SCRAPERS	2008	550
2008	16	11301	SCRAPERS	2008	550
2008	16	11302	SCRAPERS	2008	550
2008	16	11303	SCRAPERS	2008	550
2008	16	11304	SCRAPERS	2008	550
2008	16	11305	SCRAPERS	2008	550
2008	16	11306	SCRAPERS	2008	550
2008	16	11306	SCRAPERS	2008	550
2008	16	11307	SCRAPERS	2008	550
2008	16	11308	SCRAPERS	2008	550
2008	16	11309	SCRAPERS	2008	550
2008	16	11310	SCRAPERS	2008	550
2008	16	11311	SCRAPERS	2008	550
Fleet 17					
2008	17	543	CRAWLER TRACTORS	1992	95
2008	17	1598	GRADERS	1991	150
2008	17	1599	GRADERS	1991	150
2008	17	4365	TRACTORS/LOADERS/BACKHOES	1987	200
2008	17	4366	TRACTORS/LOADERS/BACKHOES	1998	59
Fleet 18					

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	18	1	PAVERS	2006	240
2008	18	2	TRACTORS/LOADERS/BACKHOES	2005	98
2008	18	3	RUBBER TIRED LOADERS	2004	73
2008	18	4	ROLLERS	2003	46
2008	18	5	PAVERS	2001	33.5
2008	18	6	PAVERS	1995	125
2008	18	7	OTHER CONSTRUCTION EQUIPMENT	1999	33.5
2008	18	8	RUBBER TIRED LOADERS	1990	60
2008	18	9	GRADERS	1988	158
2008	18	10	PAVERS	1984	70
2008	18	11	ROLLERS	1989	78
2008	18	12	PAVERS	1983	163
2008	18	13	RUBBER TIRED LOADERS	1985	130
2008	18	14	OTHER CONSTRUCTION EQUIPMENT	1986	175
2008	18	15	SURFACING EQUIPMENT	1977	106
2008	18	16	ROLLERS	1979	78
2008	18	17	ROLLERS	1962	115
Fleet 19					
2008	19	1	OFF-HIGHWAY TRUCKS	1996	938
2008	19	2	OFF-HIGHWAY TRUCKS	1996	938
2008	19	3	OFF-HIGHWAY TRUCKS	1996	938
2008	19	4	RUBBER TIRED DOZERS	1996	850
2008	19	5	RUBBER TIRED LOADERS	1999	800
2008	19	6	EXCAVATORS	1995	800
2008	19	7	EXCAVATORS	1993	750
2008	19	8	OFF-HIGHWAY TRUCKS	1990	700
2008	19	9	OFF-HIGHWAY TRUCKS	1990	700
2008	19	10	OFF-HIGHWAY TRUCKS	1990	700
2008	19	11	OFF-HIGHWAY TRUCKS	1990	700
2008	19	12	OFF-HIGHWAY TRUCKS	1990	650
2008	19	13	OFF-HIGHWAY TRUCKS	1990	650
2008	19	14	OFF-HIGHWAY TRUCKS	1990	650
2008	19	15	OFF-HIGHWAY TRUCKS	1990	650
2008	19	16	OFF-HIGHWAY TRUCKS	1990	650
2008	19	17	OFF-HIGHWAY TRUCKS	1990	650
2008	19	18	OFF-HIGHWAY TRUCKS	1990	650
2008	19	19	OFF-HIGHWAY TRUCKS	1990	650
2008	19	20	SCRAPERS	1990	600
2008	19	21	SCRAPERS	1990	600
2008	19	22	SCRAPERS	1990	600
2008	19	23	SCRAPERS	1990	600
2008	19	24	SCRAPERS	1988	600
2008	19	25	RUBBER TIRED DOZERS	1988	580
2008	19	26	RUBBER TIRED DOZERS	1988	580

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	19	27	RUBBER TIRED DOZERS	1988	580
2008	19	28	RUBBER TIRED DOZERS	1988	580
2008	19	29	SCRAPERS	1989	550
2008	19	30	SCRAPERS	1989	550
2008	19	31	SCRAPERS	1989	550
2008	19	32	SCRAPERS	1989	550
2008	19	33	SCRAPERS	1989	550
2008	19	34	SCRAPERS	1989	550
2008	19	35	SCRAPERS	1989	550
2008	19	36	SCRAPERS	1989	550
2008	19	37	SCRAPERS	1989	550
2008	19	38	SCRAPERS	1989	550
2008	19	39	SCRAPERS	1989	550
2008	19	40	SCRAPERS	1989	550
2008	19	41	SCRAPERS	1989	550
2008	19	42	SCRAPERS	1989	550
2008	19	43	SCRAPERS	1989	550
2008	19	44	SCRAPERS	1989	550
2008	19	45	SCRAPERS	1989	550
2008	19	46	SCRAPERS	1989	550
2008	19	47	SCRAPERS	1989	550
2008	19	48	SCRAPERS	1989	550
2008	19	49	SCRAPERS	1989	550
2008	19	50	SCRAPERS	1989	550
2008	19	51	SCRAPERS	1989	550
2008	19	52	SCRAPERS	1989	550
2008	19	53	SCRAPERS	1989	550
2008	19	54	SCRAPERS	1989	550
2008	19	55	SCRAPERS	1989	550
2008	19	56	SCRAPERS	1989	550
2008	19	57	SCRAPERS	1989	550
2008	19	58	SCRAPERS	1989	550
2008	19	59	SCRAPERS	1989	550
2008	19	60	SCRAPERS	1989	550
2008	19	61	SCRAPERS	1989	550
2008	19	62	SCRAPERS	1989	550
2008	19	63	SCRAPERS	1989	550
2008	19	64	SCRAPERS	1994	550
2008	19	65	SCRAPERS	1994	550
2008	19	66	SCRAPERS	1994	550
2008	19	67	SCRAPERS	1994	550
2008	19	68	SCRAPERS	1994	550
2008	19	69	SCRAPERS	1994	550
2008	19	70	SCRAPERS	1994	550

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	19	71	SCRAPERS	1994	550
2008	19	72	SCRAPERS	1994	550
2008	19	73	SCRAPERS	1994	550
2008	19	74	SCRAPERS	1994	550
2008	19	75	SCRAPERS	1994	550
2008	19	76	SCRAPERS	1994	550
2008	19	77	SCRAPERS	1994	550
2008	19	78	SCRAPERS	1994	550
2008	19	79	SCRAPERS	1994	550
2008	19	80	SCRAPERS	1994	550
2008	19	81	SCRAPERS	1994	550
2008	19	82	SCRAPERS	1994	550
2008	19	83	SCRAPERS	1994	550
2008	19	84	SCRAPERS	1994	550
2008	19	85	SCRAPERS	1994	550
2008	19	86	SCRAPERS	1994	550
2008	19	87	SCRAPERS	1994	550
2008	19	88	SCRAPERS	1994	550
2008	19	89	SCRAPERS	1994	550
2008	19	90	SCRAPERS	1991	550
2008	19	91	SCRAPERS	1991	550
2008	19	92	SCRAPERS	1991	550
2008	19	93	SCRAPERS	1991	550
2008	19	94	SCRAPERS	1991	550
2008	19	95	SCRAPERS	1991	550
2008	19	96	SCRAPERS	1991	550
2008	19	97	SCRAPERS	1991	550
2008	19	98	SCRAPERS	1991	550
2008	19	99	SCRAPERS	1991	550
2008	19	100	SCRAPERS	1991	550
2008	19	101	SCRAPERS	1991	550
2008	19	102	SCRAPERS	1991	550
2008	19	103	SCRAPERS	1991	550
2008	19	104	SCRAPERS	1991	550
2008	19	105	SCRAPERS	1991	550
2008	19	106	SCRAPERS	1991	550
2008	19	107	SCRAPERS	1991	550
2008	19	108	SCRAPERS	1991	550
2008	19	109	SCRAPERS	1991	550
2008	19	110	SCRAPERS	1991	550
2008	19	111	SCRAPERS	1991	550
2008	19	112	SCRAPERS	1991	550
2008	19	113	SCRAPERS	1991	550
2008	19	114	SCRAPERS	1991	550

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	19	115	SCRAPERS	1991	550
2008	19	116	SCRAPERS	1991	550
2008	19	117	SCRAPERS	1991	550
2008	19	118	SCRAPERS	1990	550
2008	19	119	SCRAPERS	1990	550
2008	19	120	SCRAPERS	1990	550
2008	19	121	SCRAPERS	1990	550
2008	19	122	SCRAPERS	1989	550
2008	19	123	SCRAPERS	1987	550
2008	19	124	SCRAPERS	1987	550
2008	19	125	SCRAPERS	1987	550
2008	19	126	SCRAPERS	1987	550
2008	19	127	SCRAPERS	1995	550
2008	19	128	SCRAPERS	1995	550
2008	19	129	SCRAPERS	1991	550
2008	19	130	SCRAPERS	1989	550
2008	19	131	SCRAPERS	1989	550
2008	19	132	SCRAPERS	1989	550
2008	19	133	SCRAPERS	1988	550
2008	19	134	SCRAPERS	1988	550
2008	19	135	SCRAPERS	1988	550
2008	19	136	SCRAPERS	1974	550
2008	19	137	RUBBER TIRED DOZERS	1990	520
2008	19	138	RUBBER TIRED DOZERS	1991	520
2008	19	139	RUBBER TIRED DOZERS	1991	520
2008	19	140	RUBBER TIRED DOZERS	1991	520
2008	19	141	RUBBER TIRED DOZERS	1991	520
2008	19	142	RUBBER TIRED DOZERS	1991	520
2008	19	143	RUBBER TIRED DOZERS	1995	520
2008	19	144	RUBBER TIRED DOZERS	1994	520
2008	19	145	RUBBER TIRED DOZERS	1993	520
2008	19	146	RUBBER TIRED DOZERS	1993	520
2008	19	147	RUBBER TIRED DOZERS	1993	520
2008	19	148	RUBBER TIRED DOZERS	1992	520
2008	19	149	RUBBER TIRED DOZERS	1991	520
2008	19	150	RUBBER TIRED DOZERS	1991	520
2008	19	151	RUBBER TIRED DOZERS	1991	520
2008	19	152	RUBBER TIRED DOZERS	1991	520
2008	19	153	RUBBER TIRED DOZERS	1990	520
2008	19	154	RUBBER TIRED DOZERS	1989	520
2008	19	155	RUBBER TIRED DOZERS	1989	520
2008	19	156	RUBBER TIRED DOZERS	1989	520
2008	19	157	RUBBER TIRED DOZERS	1989	520
2008	19	158	RUBBER TIRED DOZERS	1989	520

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	19	159	SCRAPERS	1973	474
2008	19	160	SCRAPERS	1972	474
2008	19	161	RUBBER TIRED DOZERS	1991	450
2008	19	162	RUBBER TIRED DOZERS	1991	450
2008	19	163	SCRAPERS	1991	450
2008	19	164	SCRAPERS	1991	450
2008	19	165	SCRAPERS	1991	450
2008	19	166	SCRAPERS	1991	450
2008	19	167	SCRAPERS	1991	450
2008	19	168	RUBBER TIRED DOZERS	1995	450
2008	19	169	RUBBER TIRED DOZERS	1995	450
2008	19	170	RUBBER TIRED DOZERS	1992	450
2008	19	171	RUBBER TIRED DOZERS	1991	450
2008	19	172	SCRAPERS	1990	450
2008	19	173	RUBBER TIRED DOZERS	1989	450
2008	19	174	SCRAPERS	1988	450
2008	19	175	SCRAPERS	1988	450
2008	19	176	SCRAPERS	1988	450
2008	19	177	SCRAPERS	1988	450
2008	19	178	RUBBER TIRED DOZERS	1983	450
2008	19	179	RUBBER TIRED DOZERS	1983	450
2008	19	180	SCRAPERS	1990	440
2008	19	181	SCRAPERS	1990	440
2008	19	182	SCRAPERS	1990	440
2008	19	183	SCRAPERS	1990	440
2008	19	184	SCRAPERS	1995	440
2008	19	185	RUBBER TIRED DOZERS	1995	410
2008	19	186	RUBBER TIRED DOZERS	1995	410
2008	19	187	OFF-HIGHWAY TRUCKS	1992	405
2008	19	188	SCRAPERS	1995	400
2008	19	189	SCRAPERS	1991	400
2008	19	190	SCRAPERS	1991	400
2008	19	191	SCRAPERS	1991	400
2008	19	192	SCRAPERS	1991	400
2008	19	193	SCRAPERS	1991	400
2008	19	194	SCRAPERS	1991	400
2008	19	195	SCRAPERS	1991	400
2008	19	196	SCRAPERS	1991	400
2008	19	197	SCRAPERS	1991	400
2008	19	198	SCRAPERS	1991	400
2008	19	199	SCRAPERS	1991	400
2008	19	200	SCRAPERS	1991	400
2008	19	201	SCRAPERS	1991	400
2008	19	202	SCRAPERS	1991	400

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	19	203	SCRAPERS	1991	400
2008	19	204	SCRAPERS	1991	400
2008	19	205	SCRAPERS	1991	400
2008	19	206	SCRAPERS	1991	400
2008	19	207	SCRAPERS	1991	400
2008	19	208	SCRAPERS	1991	400
2008	19	209	SCRAPERS	1991	400
2008	19	210	SCRAPERS	1991	400
2008	19	211	SCRAPERS	1991	400
2008	19	212	SCRAPERS	1991	400
2008	19	213	SCRAPERS	1990	400
2008	19	214	SCRAPERS	1990	400
2008	19	215	SCRAPERS	1990	400
2008	19	216	SCRAPERS	1990	400
2008	19	217	SCRAPERS	1989	400
2008	19	218	SCRAPERS	1989	400
2008	19	219	SCRAPERS	1989	400
2008	19	220	SCRAPERS	1989	400
2008	19	221	SCRAPERS	1989	400
2008	19	222	SCRAPERS	1995	400
2008	19	223	SCRAPERS	1995	400
2008	19	224	SCRAPERS	1991	400
2008	19	225	SCRAPERS	1989	400
2008	19	226	SCRAPERS	1989	400
2008	19	227	SCRAPERS	1989	400
2008	19	228	SCRAPERS	1988	400
2008	19	229	SCRAPERS	1988	400
2008	19	230	RUBBER TIRED DOZERS	1995	370
2008	19	231	RUBBER TIRED DOZERS	1995	370
2008	19	232	RUBBER TIRED DOZERS	1991	370
2008	19	233	RUBBER TIRED DOZERS	1991	370
2008	19	234	RUBBER TIRED DOZERS	1991	370
2008	19	235	RUBBER TIRED DOZERS	1991	370
2008	19	236	RUBBER TIRED DOZERS	1989	370
2008	19	237	RUBBER TIRED DOZERS	1989	370
2008	19	238	RUBBER TIRED DOZERS	1990	370
2008	19	239	RUBBER TIRED DOZERS	1988	370
2008	19	240	RUBBER TIRED DOZERS	1988	370
2008	19	241	RUBBER TIRED DOZERS	1995	315
2008	19	242	RUBBER TIRED DOZERS	1995	315
2008	19	243	RUBBER TIRED DOZERS	1995	315
2008	19	244	RUBBER TIRED DOZERS	1995	315
2008	19	245	RUBBER TIRED DOZERS	1995	315
2008	19	246	RUBBER TIRED DOZERS	1994	315

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	19	247	RUBBER TIRED DOZERS	1994	315
2008	19	248	RUBBER TIRED DOZERS	1994	315
2008	19	249	RUBBER TIRED DOZERS	1994	315
2008	19	250	RUBBER TIRED DOZERS	1992	315
2008	19	251	RUBBER TIRED DOZERS	1991	315
2008	19	252	RUBBER TIRED DOZERS	1991	315
2008	19	253	RUBBER TIRED DOZERS	1991	315
2008	19	254	RUBBER TIRED DOZERS	1995	310
2008	19	255	RUBBER TIRED DOZERS	1995	310
2008	19	256	RUBBER TIRED DOZERS	1994	310
2008	19	257	RUBBER TIRED DOZERS	1991	310
2008	19	258	RUBBER TIRED DOZERS	1991	310
2008	19	259	EXCAVATORS	1992	290
2008	19	260	EXCAVATORS	1991	290
2008	19	261	EXCAVATORS	1995	275
2008	19	262	EXCAVATORS	1995	275
2008	19	263	EXCAVATORS	1995	275
2008	19	264	EXCAVATORS	1995	275
2008	19	265	SCRAPERS	1973	270
2008	19	266	SCRAPERS	1972	270
2008	19	267	RUBBER TIRED LOADERS	1991	265
2008	19	268	SCRAPERS	1992	250
2008	19	269	SCRAPERS	1992	250
2008	19	270	SCRAPERS	1992	250
2008	19	271	SCRAPERS	1992	250
2008	19	272	SCRAPERS	1992	250
2008	19	273	SCRAPERS	1990	250
2008	19	274	SCRAPERS	1988	250
2008	19	275	SCRAPERS	1988	250
2008	19	276	SCRAPERS	1988	250
2008	19	277	SCRAPERS	1988	250
2008	19	278	RUBBER TIRED LOADERS	1994	235
2008	19	279	RUBBER TIRED LOADERS	1989	235
2008	19	280	RUBBER TIRED DOZERS	1993	185
2008	19	281	RUBBER TIRED LOADERS	1995	183
2008	19	282	RUBBER TIRED LOADERS	1995	183
2008	19	283	RUBBER TIRED LOADERS	1992	183
2008	19	284	RUBBER TIRED LOADERS	1990	170
2008	19	285	RUBBER TIRED LOADERS	1994	170
2008	19	286	RUBBER TIRED LOADERS	1991	170
2008	19	287	EXCAVATORS	1995	168
2008	19	288	EXCAVATORS	1991	153
2008	19	289	EXCAVATORS	1993	128
2008	19	290	ROUGH TERRAIN FORKLIFTS	1995	120

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	19	291	TRACTORS/LOADERS/BACKHOES	1993	110
2008	19	292	RUBBER TIRED DOZERS	1992	110
2008	19	293	ROUGH TERRAIN FORKLIFTS	1988	105
2008	19	294	ROUGH TERRAIN FORKLIFTS	1996	105
2008	19	295	TRACTORS/LOADERS/BACKHOES	1993	93
2008	19	296	TRACTORS/LOADERS/BACKHOES	1993	93
Fleet 20					
2008	20	63	TRACTORS/LOADERS/BACKHOES	1988	60
2008	20	64	TRACTORS/LOADERS/BACKHOES	1972	250
2008	20	65	TRACTORS/LOADERS/BACKHOES	1973	250
2008	20	66	TRACTORS/LOADERS/BACKHOES	1993	250
2008	20	3664	SKID STEER LOADERS	1988	36
2008	20	3734	SKID STEER LOADERS	1995	36
Fleet 21					
2008	21	69	TRACTORS/LOADERS/BACKHOES	1986	210
2008	21	70	TRACTORS/LOADERS/BACKHOES	1994	170
2008	21	71	TRACTORS/LOADERS/BACKHOES	1980	190
2008	21	72	TRACTORS/LOADERS/BACKHOES	2008	165
2008	21	73	TRACTORS/LOADERS/BACKHOES	1978	45
2008	21	295	OTHER CONSTRUCTION EQUIPMENT	2001	300
2008	21	296	OTHER CONSTRUCTION EQUIPMENT	2000	300
2008	21	297	OTHER CONSTRUCTION EQUIPMENT	1998	300
2008	21	540	CRAWLER TRACTORS	1974	285
2008	21	541	CRAWLER TRACTORS	1978	225
2008	21	542	CRAWLER TRACTORS	1977	100
2008	21	1130	EXCAVATORS	1957	250
2008	21	1698	GRADERS	1969	100
2008	21	2666	OFF-HIGHWAY TRUCKS	1981	350
Fleet 22					
2008	22	292	GRADERS	1993	150
2008	22	293	GRADERS	1997	200
2008	22	772	CRAWLER TRACTORS	2004	80
2008	22	773	CRAWLER TRACTORS	2000	104
2008	22	774	CRAWLER TRACTORS	2001	110
2008	22	775	RUBBER TIRED DOZERS	1981	300
2008	22	776	CRAWLER TRACTORS	1984	300
2008	22	777	CRAWLER TRACTORS	2001	305
2008	22	778	CRAWLER TRACTORS	2003	305
2008	22	779	RUBBER TIRED DOZERS	1982	310
2008	22	780	RUBBER TIRED DOZERS	1983	310
2008	22	781	RUBBER TIRED DOZERS	1993	310
2008	22	782	RUBBER TIRED DOZERS	1994	310
2008	22	783	RUBBER TIRED DOZERS	1999	315
2008	22	784	RUBBER TIRED DOZERS	2000	315

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	22	785	RUBBER TIRED DOZERS	2004	315
2008	22	786	CRAWLER TRACTORS	1991	370
2008	22	787	CRAWLER TRACTORS	1993	370
2008	22	788	CRAWLER TRACTORS	1999	405
2008	22	789	CRAWLER TRACTORS	2000	405
2008	22	790	RUBBER TIRED DOZERS	2004	450
2008	22	791	RUBBER TIRED DOZERS	2005	450
2008	22	792	CRAWLER TRACTORS	1989	460
2008	22	793	CRAWLER TRACTORS	1991	520
2008	22	794	CRAWLER TRACTORS	1991	520
2008	22	795	CRAWLER TRACTORS	1993	520
2008	22	796	CRAWLER TRACTORS	1995	520
2008	22	797	CRAWLER TRACTORS	1996	520
2008	22	2276	RUBBER TIRED LOADERS	1993	270
2008	22	2277	RUBBER TIRED LOADERS	1994	270
2008	22	3381	SCRAPERS	1973	320
2008	22	3382	SCRAPERS	1973	320
2008	22	3383	SCRAPERS	1976	320
2008	22	3384	SCRAPERS	1978	320
2008	22	3385	SCRAPERS	1978	350
2008	22	3386	SCRAPERS	1978	350
2008	22	3387	SCRAPERS	1978	350
2008	22	3388	SCRAPERS	1978	350
2008	22	3389	SCRAPERS	1979	350
2008	22	3390	SCRAPERS	1979	350
2008	22	3391	SCRAPERS	1979	350
2008	22	3392	SCRAPERS	1980	350
2008	22	3393	SCRAPERS	1980	350
2008	22	3394	SCRAPERS	1980	350
2008	22	3395	SCRAPERS	1983	350
2008	22	3396	SCRAPERS	1983	350
2008	22	3397	SCRAPERS	1985	350
2008	22	3398	SCRAPERS	1985	350
2008	22	3399	SCRAPERS	1987	350
2008	22	3400	SCRAPERS	1988	350
2008	22	3401	SCRAPERS	1987	475
2008	22	3402	SCRAPERS	1973	475
2008	22	3403	SCRAPERS	1973	475
2008	22	3404	SCRAPERS	1974	475
2008	22	3405	SCRAPERS	1974	475
2008	22	3406	SCRAPERS	1974	475
2008	22	3407	SCRAPERS	1975	475
2008	22	3408	SCRAPERS	1975	475
2008	22	3409	SCRAPERS	1985	475

Calendar Year	Fleet ID	Vehicle ID	Vehicle Type	Model Year	HP
2008	22	3410	SCRAPERS	1987	475
2008	22	3411	SCRAPERS	1988	523
2008	22	3412	SCRAPERS	1988	523
2008	22	3413	SCRAPERS	1989	523
2008	22	3414	SCRAPERS	1989	523
2008	22	3415	SCRAPERS	1989	523
2008	22	3416	SCRAPERS	1990	523
2008	22	3417	SCRAPERS	1991	523
2008	22	3418	SCRAPERS	1991	523
2008	22	3419	SCRAPERS	1991	523
2008	22	3420	SCRAPERS	1992	523
2008	22	3421	SCRAPERS	1992	523
2008	22	3422	SCRAPERS	1992	523
2008	22	3423	SCRAPERS	1992	523
2008	22	3424	SCRAPERS	1993	523
2008	22	3425	SCRAPERS	1993	523
2008	22	3426	SCRAPERS	1994	523
2008	22	3427	SCRAPERS	1994	523
2008	22	3428	SCRAPERS	1994	523
2008	22	3429	SCRAPERS	1972	550
2008	22	3430	SCRAPERS	1972	550
2008	22	3431	SCRAPERS	1975	550
2008	22	3432	SCRAPERS	1975	550
2008	22	3433	SCRAPERS	1984	550
2008	22	3434	SCRAPERS	1984	550
2008	22	3435	SCRAPERS	1984	550
2008	22	3436	SCRAPERS	1986	550
2008	22	3437	SCRAPERS	1987	550
2008	22	3438	SCRAPERS	1987	550

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