

Transportation and Regional Programs Division
Office of Transportation and Air Quality
U.S. Environmental Protection Agency

### NOTICE

This technical report does not necessarily represent final EPA decisions or positions. It is intended to present technical analysis of issues using data that are currently available. The purpose in the release of such reports is to facilitate the exchange of technical information and to inform the public of technical developments.



The purpose of this document is to provide users of the Diesel Emissions Quantifier (DEQ) with default values for certain input fields. However, the use of "real world" data for these fields will provide a more accurate assessment of emission reductions and is strongly encouraged.

On Highway					
Vehicle Type	Vehicle Class	VMT/ (mi/yr)	Fuel use (gal/yr)	Idling hours (hr/yr)	Source
School Bus	School Bus	13,000	1,597	270	NCDC Cost Effectiveness Report, MOBILE6, Clean School Bus USA Program
Transit Bus	Transit Bus	35,000 - 40,000	5,000 – 5,700	600 <sup>a</sup>	Federal Transit Association, American Public Transportation Association, California Air Resources Board
Refuse Hauler	Class 7	45,149	6,060	730	MOBILE6, SmartWay Program, SmartWay Fleet Model
Short Haul Truck	Class 5, 6, or 7	See Table 1b	See Table 1b	730	MOBILE6, SmartWay Program, SmartWay Fleet Model
Long Haul Truck	Class 8	100,000	16,667	2,400	SmartWay Program, SmartWay Fleet Model
Delivery Truck (beverage, bulk, etc.)	Class 5, 6, or 7	See Table 1b	See Table 1b	730	MOBILE6
Emergency Vehicle (fire truck, ambulance, etc.)	Class 5, 6, of 7	See Table 1b	See Table 1b	b	MOBILE6
City/County Vehicle (utility, DOT type truck)	Class 5, or 6	See Table 1b	See Table 1b	b	MOBILE6

Table 1a. Default values for certain fields in the Diesel Emissions Quantifier. See figure 1 at the end of this document for a visual description of vehicles by class.

<sup>&</sup>lt;sup>b</sup> Due to the uncertainty of time an emergency vehicle is at a particular location and the variety of city/county vehicles, it is not possible to estimate default idling hours for these vehicle types.

Vehicle Type	VMT/ (mi/yr)	Fuel use (gal/yr)	Sources
Class 5	19,610	2,448	MOBILE6
Class 6	45,149	5,526	MOBILE6
Class 7	45,149	6,060	MOBILE6

Table 1b. Default values for certain fields in the Diesel Emissions Quantifier.

<sup>&</sup>lt;sup>a</sup> This value is based on rough information from a variety of sources and is subject to change as more accurate data becomes available.

Nonroad						
Vehicle Type	Usage rate	Power	Fuel use	Source		
Tomoro Typo	(hr/yr)	(Hp) °	(gal/yr)	35a. 55		
	(, y.)	(1.19)	(gan yi)			
Agriculture						
2-wheel tractor	544	11	148	NONROAD model		
2 Wilcer tractor	544		140	NONKOAD Model		
Agricultural	363	100	944	NONROAD model		
Mowers	000	100		TVOTATE MODEL		
Agricultural	475	175	1,855	NONROAD model		
Tractors	170	170	1,000	TVOTATE MODEL		
Balers	95	75	254	NONROAD model		
Combines	150	300	848	NONROAD model		
Irrigation Sets	749	100	1,716	NONROAD model		
Off-Highway	855	750	22,584	NONROAD model		
Tractors	000	730	22,304	NONKOAD Model		
Off-Highway	1641	750	43,422	NONROAD model		
Trucks	10-11	700	70,722	TVOTATE MODEL		
Other Ag	381	175	1,912	NONROAD model		
Equipment	001	170	1,012	TVOTATE MODEL		
Sprayers	90	175	438	NONROAD model		
Swathers	110	100	330	NONROAD model		
Owathors	110	100	1 000	TVOTATO THOUGH		
		Ports and A	irnorts			
AC Refrigeration	1341	50	1491	NONROAD model		
Aerial Lifts	384	50	277	NONROAD model		
Airport Support	732	175	4,354	NONROAD model		
Equipment	102	170	4,004	TVOTATE MODEL		
Cranes	990	175	4,403	NONROAD model		
Forklifts	1700	75	5,429	NONROAD model		
Off-Highway	855	750	22,584	NONROAD model		
Tractors	000	700	22,001	TVOTATE MODEL		
Off-Highway	1641	750	43,422	NONROAD model		
Trucks	1011	700	10, 122	TVOTATE MEGGI		
Other Construction	606	300	6,012	NONROAD model		
Equipment	000	000	0,012	Trontical mode.		
Other General	878	100	1,841	NONROAD model		
Industrial	0.0		.,			
Equipment						
Other Material	421	175	674	NONROAD model		
Handling		-				
Equipment						
Signal Boards	535	25	265	NONROAD model		
Skid Steer	818	75	578	NONROAD model		
Loaders						
Terminal Tractors	1257	175	6,780	NONROAD model		
Rail						
Aerial Lifts	384	50	277	NONROAD model		
Cranes	990	175	4,403	NONROAD model		
Forklifts	1700	75	5,429	NONROAD model		
Line Haul	4350	2000	27,150	NONROAD model		
Locomotive						

Off-Highway Trucks         (hr/yr) 1641         (Hp) <sup>c</sup> 750         (gallyr) 43,422         NONROAD model           Off-Highway Tractors         855         750         22,584         NONROAD model           Other General Industrial Equipment         878         100         1,841         NONROAD model           Other Materials Handling Equipment         421         175         674         NONROAD model           Passenger Locomotive         4350         2000         27,150         NONROAD model           Switch Locomotive         4450         2000         22,250         NONROAD model           Terminal Tractor         1257         175         6,780         NONROAD model           Construction           Construction           Construction           Bore/Drill Rigs         466         175         1,955         NONROAD model           Cranes         990         175         4,403         NONROAD model           Cranes         990         175         4,403         NONROAD model           Crauler Tractors         936         175         8,887         NONROAD model           Excavators         1092         175         6,063         NONROAD model     <	Vehicle Type	Usage rate	Power	Fuel use	Source
Trucks	,,		(Hp) <sup>c</sup>	(gal/yr)	
Trucks	Off-Highway	1641			NONROAD model
Tractors					
Other General Industrial Equipment         878         100         1,841         NONROAD model           Other Materials Handling Equipment         421         175         674         NONROAD model           Passenger Locomotive Switch Locomotive         4350         2000         27,150         NONROAD model           Construction           Bore/Drill Rigs         466         175         1,955         NONROAD model           Cement & Mixers         275         75         137         NONROAD model           Cranes         990         175         4,403         NONROAD model           Crawler Tractors         936         175         8,887         NONROAD model           Crushing/Proc.         955         16         3,115         NONROAD model           Crushing/Proc.         955         16         3,115         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Forklifts         1700         75         5,429         NONROAD model           Off-Highway         855         750         22,584         NONROAD model	Off-Highway	855	750	22,584	NONROAD model
Industrial Equipment	Tractors				
Equipment	Other General	878	100	1,841	NONROAD model
Other Materials Handling Equipment         421         175         674         NONROAD model           Passenger Locomotive         4350         2000         27,150         NONROAD model           Switch Locomotive         4450         2000         22,250         NONROAD model           Terminal Tractor         1257         175         6,780         NONROAD model           Construction           Bore/Drill Rigs         466         175         1,955         NONROAD model           Crames         990         175         4,403         NONROAD model           Cranes         990         175         4,403         NONROAD model           Crawler Tractors         936         175         8,887         NONROAD model           Crushing/Proc.         955         16         3,115         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Forklifts         1700         75         5,429         NONROAD model           Gfr-Highway         855         750         22,584         NONROAD model           Tracto	Industrial				
Handling Equipment   Passenger   4350   2000   27,150   NONROAD model   Locomotive   Switch Locomotive   4450   2000   22,250   NONROAD model   Terminal Tractor   1257   175   6,780   NONROAD model	Equipment				
Equipment	Other Materials	421	175	674	NONROAD model
Passenger Locomotive         4350         2000         27,150         NONROAD model           Switch Locomotive         4450         2000         22,250         NONROAD model           Terminal Tractor         1257         175         6,780         NONROAD model           Construction           Bore/Drill Rigs         466         175         1,955         NONROAD model           Cement & Mixers         275         75         137         NONROAD model           Cranes         990         175         4,403         NONROAD model           Cranes         990         175         4,403         NONROAD model           Cranker Tractors         936         175         8,887         NONROAD model           Cranking/Proc.         955         16         3,115         NONROAD model           Crushing/Proc.         955         16         3,115         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Graders         962         300         6,175         NONROAD model           Off-Highway         855	Handling				
Dumpers/Tenders   1992   175	Equipment				
Switch Locomotive   4450   2000   22,250   NONROAD model	Passenger	4350	2000	27,150	NONROAD model
Description					
Bore/Drill Rigs	Switch Locomotive		2000	22,250	
Bore/Drill Rigs	Terminal Tractor	1257	175	6,780	NONROAD model
Bore/Drill Rigs					
Cement & Mixers         275         75         137         NONROAD model           Cranes         990         175         4,403         NONROAD model           Crawler Tractors         936         175         8,887         NONROAD model           Crushing/Proc.         955         16         3,115         NONROAD model           Equipment         566         300         284         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Forklifts         1700         75         5,429         NONROAD model           Graders         962         300         6,175         NONROAD model           Off-Highway         855         750         22,584         NONROAD model           Tractors         1641         750         43,422         NONROAD model           Other Construction         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terra			Construc	tion	
Cement & Mixers         275         75         137         NONROAD model           Cranes         990         175         4,403         NONROAD model           Crawler Tractors         936         175         8,887         NONROAD model           Crushing/Proc.         955         16         3,115         NONROAD model           Equipment         566         300         284         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Forklifts         1700         75         5,429         NONROAD model           Graders         962         300         6,175         NONROAD model           Off-Highway         855         750         22,584         NONROAD model           Tractors         1641         750         43,422         NONROAD model           Other Construction         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terra	Bore/Drill Rigs	466	175	1,955	NONROAD model
Crawler Tractors         936         175         8,887         NONROAD model           Crushing/Proc. Equipment         955         16         3,115         NONROAD model           Dumpers/Tenders         566         300         284         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Forklifts         1700         75         5,429         NONROAD model           Graders         962         300         6,175         NONROAD model           Off-Highway Tractors         855         750         22,584         NONROAD model           Trucks         1641         750         43,422         NONROAD model           Other Construction Equipment         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rough Terrain Forklifts         662         75         2,042         NONROAD model           Rubber Tire Loaders         761         175         5,721         N		275	75	137	NONROAD model
Crushing/Proc. Equipment         955         16         3,115         NONROAD model           Dumpers/Tenders         566         300         284         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Forklifts         1700         75         5,429         NONROAD model           Graders         962         300         6,175         NONROAD model           Off-Highway Tractors         750         22,584         NONROAD model           Off-Highway Trucks         1641         750         43,422         NONROAD model           Other Construction Equipment         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rough Terrain Forklifts         662         75         2,042         NONROAD model           Rubber Tire Loaders         761         175         5,721         NONROAD model           Signal Boards         535         25         265         NONROAD model <td>Cranes</td> <td>990</td> <td>175</td> <td>4,403</td> <td>NONROAD model</td>	Cranes	990	175	4,403	NONROAD model
Equipment         Dumpers/Tenders         566         300         284         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Forklifts         1700         75         5,429         NONROAD model           Graders         962         300         6,175         NONROAD model           Off-Highway Tractors         750         22,584         NONROAD model           Off-Highway Trucks         1641         750         43,422         NONROAD model           Other Construction Equipment         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain Forklifts         662         75         2,042         NONROAD model           Rubber Tire Loaders         761         175         5,721         NONROAD model           Signal Boards         535         25         265         NONRO	Crawler Tractors	936	175	8,887	NONROAD model
Equipment         Dumpers/Tenders         566         300         284         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Forklifts         1700         75         5,429         NONROAD model           Graders         962         300         6,175         NONROAD model           Off-Highway Tractors         750         22,584         NONROAD model           Off-Highway Trucks         1641         750         43,422         NONROAD model           Other Construction Equipment         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain Forklifts         662         75         2,042         NONROAD model           Rubber Tire Loaders         761         175         5,721         NONROAD model           Signal Boards         535         25         265         NONRO	Crushing/Proc.	955	16	3,115	NONROAD model
Dumpers/Tenders         566         300         284         NONROAD model           Excavators         1092         175         6,063         NONROAD model           Forklifts         1700         75         5,429         NONROAD model           Graders         962         300         6,175         NONROAD model           Off-Highway Tractors         855         750         22,584         NONROAD model           Trucks         1641         750         43,422         NONROAD model           Trucks         0ther Construction         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain Forklifts         662         75         2,042         NONROAD model           Rubber Tire Loaders         761         175         5,721         NONROAD model           Skid Steer Steer         818         75         265         NONROA				,	
Forklifts         1700         75         5,429         NONROAD model           Graders         962         300         6,175         NONROAD model           Off-Highway Tractors         855         750         22,584         NONROAD model           Off-Highway Trucks         1641         750         43,422         NONROAD model           Other Construction Equipment         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain Forklifts         662         75         2,042         NONROAD model           Rubber Tire Loaders         761         175         5,721         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Tractor/Loader/Ba         1135         100         1,472         NONROAD mo	Dumpers/Tenders	566	300	284	NONROAD model
Forklifts         1700         75         5,429         NONROAD model           Graders         962         300         6,175         NONROAD model           Off-Highway Tractors         855         750         22,584         NONROAD model           Off-Highway Trucks         1641         750         43,422         NONROAD model           Other Construction Equipment         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain Forklifts         662         75         2,042         NONROAD model           Rubber Tire Loaders         761         175         5,721         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Tractor/Loader/Ba         1135         100         1,472         NONROAD mo		1092		6,063	NONROAD model
Graders         962         300         6,175         NONROAD model           Off-Highway Tractors         855         750         22,584         NONROAD model           Off-Highway Trucks         1641         750         43,422         NONROAD model           Other Construction Equipment         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain Forklifts         662         75         2,042         NONROAD model           Rubber Tire Loaders         761         175         5,721         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer Loaders         818         75         578         NONROAD model           Tractor/Loader/Ba         1135         100         1,472         NONROAD model	Forklifts	1700	75		NONROAD model
Off-Highway Tractors         855         750         22,584         NONROAD model           Off-Highway Trucks         1641         750         43,422         NONROAD model           Other Construction Equipment         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain Forklifts         662         75         2,042         NONROAD model           Rubber Tire Loaders         761         175         5,721         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer Loaders         818         75         578         NONROAD model           Tractor/Loader/Ba         1135         100         1,472         NONROAD model	Graders	962	300		NONROAD model
Tractors         Off-Highway Trucks         1641         750         43,422         NONROAD model           Other Construction Equipment         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain Forklifts         662         75         2,042         NONROAD model           Rubber Tire Loaders         761         175         5,721         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer Loaders         818         75         578         NONROAD model           Tractor/Loader/Ba         1135         100         1,472         NONROAD model	Off-Highway	855			
Trucks         Other Construction Equipment         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain         662         75         2,042         NONROAD model           Forklifts         Rubber Tire         761         175         5,721         NONROAD model           Scrapers         914         600         11,086         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         Tractor/Loader/Ba         1135         100         1,472         NONROAD model				,	
Trucks         Other Construction Equipment         606         300         6,012         NONROAD model           Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain         662         75         2,042         NONROAD model           Forklifts         Rubber Tire         761         175         5,721         NONROAD model           Scrapers         914         600         11,086         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         Tractor/Loader/Ba         1135         100         1,472         NONROAD model	Off-Highway	1641	750	43,422	NONROAD model
Equipment         Bayers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain         662         75         2,042         NONROAD model           Forklifts         761         175         5,721         NONROAD model           Loaders         914         600         11,086         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         Tractor/Loader/Ba         1135         100         1,472         NONROAD model					
Pavers         821         175         2,980         NONROAD model           Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain Forklifts         662         75         2,042         NONROAD model           Forklifts         761         175         5,721         NONROAD model           Loaders         914         600         11,086         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer Steer         818         75         578         NONROAD model           Tractor/Loader/Ba         1135         100         1,472         NONROAD model	Other Construction	606	300	6,012	NONROAD model
Paving Equipment         622         175         1,473         NONROAD model           Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain         662         75         2,042         NONROAD model           Forklifts         761         175         5,721         NONROAD model           Loaders         914         600         11,086         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         Tractor/Loader/Ba         1135         100         1,472         NONROAD model	Equipment				
Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain         662         75         2,042         NONROAD model           Forklifts         761         175         5,721         NONROAD model           Loaders         914         600         11,086         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         1135         100         1,472         NONROAD model	Pavers	821	175	2,980	NONROAD model
Plate Compactors         484         6         82         NONROAD model           Rollers         760         100         2,216         NONROAD model           Rough Terrain         662         75         2,042         NONROAD model           Forklifts         761         175         5,721         NONROAD model           Loaders         914         600         11,086         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         1135         100         1,472         NONROAD model	Paving Equipment	622	175	1,473	NONROAD model
Rough Terrain         662         75         2,042         NONROAD model           Forklifts         761         175         5,721         NONROAD model           Loaders         914         600         11,086         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         Tractor/Loader/Ba         1135         100         1,472         NONROAD model		484	6	82	NONROAD model
Forklifts         761         175         5,721         NONROAD model           Loaders         Scrapers         914         600         11,086         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         Tractor/Loader/Ba         1135         100         1,472         NONROAD model	Rollers	760	100	2,216	NONROAD model
Forklifts         761         175         5,721         NONROAD model           Loaders         Scrapers         914         600         11,086         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         Tractor/Loader/Ba         1135         100         1,472         NONROAD model					
Loaders         600         11,086         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         Tractor/Loader/Ba         1135         100         1,472         NONROAD model					
Loaders         600         11,086         NONROAD model           Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         Tractor/Loader/Ba         1135         100         1,472         NONROAD model	Rubber Tire	761	175	5,721	NONROAD model
Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         Tractor/Loader/Ba         1135         100         1,472         NONROAD model	Loaders				
Signal Boards         535         25         265         NONROAD model           Skid Steer         818         75         578         NONROAD model           Loaders         Tractor/Loader/Ba         1135         100         1,472         NONROAD model	Scrapers	914	600	11,086	NONROAD model
Skid Steer         818         75         578         NONROAD model           Loaders         Tractor/Loader/Ba         1135         100         1,472         NONROAD model		535	25	· · · · · · · · · · · · · · · · · · ·	
Loaders         100         1,472         NONROAD model					
Tractor/Loader/Ba 1135 100 1,472 NONROAD model	Loaders				
ckhoe	Tractor/Loader/Ba	1135	100	1,472	NONROAD model
Table 2. Default values for certain fields in the Diesel Emissions Quantifier	ckhoe				

Table 2. Default values for certain fields in the Diesel Emissions Quantifier.

<sup>&</sup>lt;sup>c</sup> In the NONROAD model, the horsepower range for an individual application can vary greatly. To simplify this, the horsepower of the highest population application will be employed.

Figure 1. Truck Types by gross vehicle weight.

