State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-135 Relating to Certification of New Heavy-Duty Motor Vehicle Engines

NAVISTAR INTERNATIONAL TRANSPORTATION CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Navistar International Transportation Corporation 1991 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

Engine Family	Displacement Liters (Cubic Inches)		Exhaust Emission Control Systems & Special Features		
MNV07.3DAA1 (7.3L)	7.3	(443)	Indirect Diesel Injection		

Engine models and codes are listed on attachments.

Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr	Particulates gm/bhp-hr
1.3	15.5	5.0	0.25

The following are the certification emission values for this engine family:

Engine Family	Hydrocarbons	Nitrogen Oxides	Particulates
	gm/bhp-hr	gm/bhp-hr	gm/bhp-hr
MNV07.3DAA1	0.6	4.4	0.24

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Health and Safety Code Section 43205.5).

NAVISTAR INTERNATIONAL TRANSPORTATION CORPORATION EXECUTIVE ORDER A-4-135 (Page 2 of 2)

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 20 day of August, 1990.

127

R. B. Summerfield Assistant Division Chief Mobile Source Division

E.O.	#	<u>A-4-135</u>
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19<u>91</u> AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer Navistar International Transportation Corp. Engine Family MNV07.3DAA1

Liter (CID) (7.3) Engine Type V-8

Emission Control Sys. & Special Features IDI (per SAE J1930 dated June88)

Fuel Injection Pump Mfr.	Injector Mfr.	Maximum Rated HP	Fuel Rate at	Label Ident.
Part Number		at RPM	Maximum HP mm /stroke	
	All Models			
Stanadyne 1813250C91 1813102C91 1813385C91 1813102C92	CAV 1812042C91 1805803C91 & Stanadyne 1812042C91	185 @ 3300	58.5	1813343C3 + + +
Stanadyne 1813255C91 1813112C91 1813390C91 1813112C92	+ + + +	166 @ 3300	53.5	+ + + + + + + + + + + + + + + + + + + +
Stanadyne 1809096C92 1813460C91	+ + + + + + + + + + + + + + + + + + + +	170 @ 3000	57.5	1813344C3 + +
Stanadyne 1809083C92 1813465C91	+ + +	155 @ 3000	52.0	↓ ↓ ↓ ↓
Stanadyne 1811303C92 1813470C91	* + +	130 @ 2700	45.3	+ + +
	Pump Mfr. Part Number Stanadyne 1813250C91 1813102C91 1813385C91 1813102C92 Stanadyne 1813255C91 1813112C91 18133112C91 18133112C92 Stanadyne 1809096C92 1813460C91 Stanadyne 1809083C92 1813465C91 Stanadyne 1813303C92	Pump Mfr. Mfr. Part Number Part Number Stanadyne 1813250C91 1805803C91 1805803C91 181302C92 1812042C91 1813345C91 Stanadyne 1813255C91 1813345C91 1813312C91 1813312C92 1813460C91 1809083C92 1813465C91	Pump Mfr. Mfr. Rated HP at RPM Part Number Part Number All Models 185 @ 3300	Pump Mfr. Mfr. Rated HP at RPM

Revisions: