State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-196

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-45-9;

IT IS ORDERED AND RESOLVED: That the following 1997 model-year Navistar International Transportation Corporation diesel-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

Engine Family	Engine Displacement Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
VNV530D6DARA	8.7	(530)	Turbocharger Charge Air Cooler Smoke Puff Limiter

Engine models and codes are listed on attachments.

The following are the certification exhaust emission standards for this engine family in grams per brake horsepower-hour:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
1.3	15.5	5.0	0.10

The following are the certification exhaust emission values for this engine family in grams per brake horsepower-hour:

Engine FAMILY	Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
VNV530D6DARA	0.2	2.0	5.0	0.07

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 (Title 13, California Code of Regulations, Section 2035 et seq.).

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 30th day of October 1996.

John Konaldi for

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O. # A - 4 - 196

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL-STANDARD ENGINES

Manafacturer Navistar International Transportation Corp. Engine Family VNV530D6DARA (530Med)

Displacement : 8.7 / Liters 530 / Cubic Inches

Ignition: Compression X Compression with Glow Plug ___ Spark ___

Fuel Type(s) Dedicated X Flex-Fuel ___ Dual-Fuel ___ Bi-Fuel ___ Diesel X CNG ___

LNG ___ LPG ___ M85 ___ M100 ___ Other (specify) ___

Diesel Cert Fuel: 13 CCR 2282 ___ 40 CFR 86.1313-90 ___ 40 CFR 86.1313-94 X

Maximum Rated Power: 275 HP @ 2000 RPM Engine Configuration I-6

Exhaust ECS (include. MFI, TC, CAC) : EM DI TC CAC SPL
(Use abbreviations per SAE J1930 SEP91)

Engine Mode (Eng. Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm^3 / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM / PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
			Injection Pumps	Fuel Nozzles		
A275	275 @ 2000	153.9 (103.1)	1823153C91	1823763C91		
AF275	275 @ 2000	151.8 (101.7)	1823152C91	1823763C91		
AL275	275 @ 2000	151.8 (101.7)	1823959C91	1823763C91		
A250	250 @ 2000	138.0 (92.5)	1823151C91	1823759C91		

Date Issued : 10/3/96

Revisions :