

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-198

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

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
VNV466D8DARW	7.6 (466)	Turbocharger Charge Air Cooler Engine Control Module

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:

<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
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:

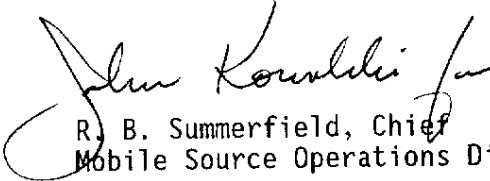
<u>Engine FAMILY</u>	<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
VNV466D8DARW	0.3	1.0	4.2	0.09

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 16th day of December 1996.


R. B. Summerfield, Chief
Mobile Source Operations Division

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

(DT-466E,DT-466E HT)
VNV466D8DARW

Manufacturer Navistar International Transportation Corp. Engine Family

Displacement : 7.6 / Liters 466 / 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: 230 HP @ 2300 RPM Engine Configuration I-6

Exhaust ECS (include. MFI, TC, CAC) : EM DI TC CAC ECM
(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.
DT-466E			<u>Injectors</u>	<u>ECM</u>		
A230 (A230)	230 @ 2300	118.0 (91.0)	1829926C1	1807413C1		
A210 (A210)	210 @ 2300	111.0 (85.6)	1829926C1	1807413C1		
A190 (A190)	190 @ 2300	100.0 (77.1)	1829926C1	1807413C1		
A175 (A175)	175 @ 2300	92.0 (70.9)	1829926C1	1807413C1		
DT-466E HT						
A210 (A210)	210 @ 2300	117.0 (90.2)	1829926C1	1807412C1		
A195 (A195)	195 @ 2300	104.0 (80.2)	1829926C1	1807412C1		

Date Issued : 10/25/96

Revisions :