

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-159

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 1994 model diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

Fuel Type: Diesel

<u>Engine Family</u>	<u>Liters (Cubic Inches)</u>		<u>Exhaust Emission Control Systems and Special Features</u>
RNV466D6DABA (DT-466)	7.6	(466)	Smoke Puff Limiter Turbocharger Charge Air Cooler Oxidation Catalytic Converter

Engine models and codes are listed on attachments.

The certification exhaust emission standards and, in accordance with the manufacturer's particulates averaging program, the particulates emission limit for this engine family in grams per brake horsepower-hour are:

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>		
			<u>Emission Standard</u>	<u>Averaging Value</u>	<u>Family Limit</u>
1.3	15.5	5.0	0.10	0.10	0.13

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

<u>Engine Family</u>	<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
RNV466D6DABA (DT-466)	0.3	2.5	4.5	0.12

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.).

BE IT FURTHER RESOLVED: That these engines are included in a diesel heavy-duty particulates averaging program as permitted in the "California Exhaust Emission Standards for 1985 and Subsequent Model Heavy-Duty Engines and Vehicles, amended July 12, 1991", referenced section 86.091-11(a)(1)(iv)(c).

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 7th day of January, 1994.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

6-6-94 File.

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1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Navistar International Transportation Corp. Engine Family RNV466D6DABA (DT-466)

Liter (CID) 7.6 (466) Fuel Type Diesel(.03%S) Engine Config. I-6

Exhaust ECS & Special Features (ECM/PCM, PTOX, IFI, etc.) EM DI TC SPL CAC OC
(Use abbreviations per SAE J1930 May91)

Engine Model (Eng. Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm ³ /stroke (lbs/hr)	Fuel Pump & Injector P/N	ECM/PCM P/N	Part. Trap/ Catalyst P/N
A230 (A230)	230 @ 2600	114.4 (94.2)	Pumps 1819914C91 * 1823136C91A Nozzles 1820838C91 * 1823763C91		Catalyst 2014170C1
A250 (A250)	250 @ 2600	124.4 (102.4)	Pumps 1819913C91 * 1823137C91A Nozzles 1820842C91 * 1823763C91		Catalyst 2104170C1

Revisions: *4/30/94

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Revisions: