

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-121
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

NAVISTAR INTERNATIONAL 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 Corporation 1988 model-year diesel engines have shown compliance with the transient test procedures and standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|--|
| 7.3LD | 445 (7.3) | (Diesel Injection-Prechamber) |

Engine models and codes are listed on attachments.

The following are the certification emission values for these engine families:


| <u>Engine Family</u> | <u>Hydrocarbons gm/bhp-hr</u> | <u>Nitrogen Oxides gm/bhp-hr</u> | <u>Particulates gm/bhp-hr</u> |
|----------------------|-----------------------------------|--------------------------------------|-----------------------------------|
| 7.3LD | 0.9 | 4.7 | 0.5 |

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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.

Executed at El Monte, California this 5th day of March, 1987.


K. D. Drachand, Chief
Mobile Source Division

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
 HEAVY-DUTY DIESEL ENGINES

Manufacturer Navistar International Transportation Corp. Engine Family 7.3LD
 Liter (CID) 7.3 Engine Type Four Stroke
 Emission Control Sys. and (Special Features) (DIP)

| Engine Model | Fuel Injection Pump Mfr. Part Number | Injector Mfr. Part Number | Maximum Rated HP at RPM | Fuel Rate mm ³ /stroke (lbs/hr) | Maximum Rated Torque at RPM | Fuel Rate mm ³ /stroke (lbs/hr) |
|--------------|--------------------------------------|---------------------------------|-------------------------|--|-----------------------------|--|
| A185 | Stanadyne 1809121C91,C92 | CAV 1812042C91 All Models | 185 @ 3300 | 58.5 (86) | 345@1980 | 61 (54) |
| A170 | Stanadyne 1809096C91 | | 170 @ 3000 | 57.5 (77) | 332@1600 | 58.8 (42) |
| A155 | Stanadyne 1809083C91 | | 155 @ 3000 | 52.0 (70) | 304@1600 | 53.5 (38) |
| A130 | Stanadyne 1811303C91 | | 130 @ 2700 | 45.3 (54.6) | 272@1600 | 47.0 (33.6) |

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