

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-4-220

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 1999 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>
XNVXH0530ANB	8.6 (530)	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>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
1.3	15.5	4.0	0.10

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

<u>Total Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
0.3	1.3	3.9	0.10

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 September 1998.



R. B. Summerfield, Chief
Mobile Source Operations Division

LARGE ENGINE MODEL SUMMARY

Process Code: **New Submission**

Manufacturer: **Navistar E.O. # A-4-220**

Manufacturer Family Name: **INT 530E**

EPA Engine Family: **XNVXH0530ANB**

9. Emission Control Device Per SAE J1930

8. Fuel Rate: (lbs/hr) @ peak torque

7. Fuel Rate: mm³/stroke @ peak torque

6. Torque @ RPM (SEA Gross)

5. Fuel Rate: (lbs/hr) @ peak HP (for diesels only)

4. Fuel Rate: mm³/stroke @ peak HP (for diesel only)

3. BHP @ RPM (SAE Gross)

1. Engine Code	2. Engine Model	3. BHP @ RPM (SAE Gross)	4. Fuel Rate: mm ³ /stroke @ peak HP (for diesel only)	5. Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: mm ³ /stroke @ peak torque	8. Fuel Rate: (lbs/hr) @ peak torque	9. Emission Control Device Per SAE J1930
BL300	BL300	300 @ 2000	167.5	112.2	860 @ 1300	161.9	70.5	DL, ECM, TC, CAC
B300	B300	300 @ 2000	167.5	112.2	950 @ 1300	179.0	78.0	DL, ECM, TC, CAC
BH300	BH300	300 @ 2000	167.5	112.2	1050 @ 1300	199.0	86.7	DL, ECM, TC, CAC
B320	B320	320 @ 2000	171.6	115.0	950 @ 1300	183.7	80.0	DL, ECM, TC, CAC
B330	B330	330 @ 2000	186.3	124.8	950 @ 1300	183.7	80.0	DL, ECM, TC, CAC
BH330	BH330	330 @ 2000	186.3	124.8	1050 @ 1300	199.0	86.7	DL, ECM, TC, CAC