

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-276-20

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

NISSAN DIESEL MOTOR CO., LTD

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 1998 model-year Nissan Diesel Motor Co., Ltd. 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>
WNDXH06.9FAB	6.9 (419)	Turbocharger Charge Air Cooler Oxidation Catalytic Converter 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>
0.5	1.7	3.8	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 12th day of March 1998.



R. B. Summerfield, Chief
Mobile Source Operations Division

2/11/88

EO: A-276-20

C. LARGE ENGINE MODEL SUMMARY

Process Code: New Submission

Manufacturer: Nissan Diesel Motor Co., Ltd.

Manufacturer Family Name: N/A

EPA Engine Family: WDXH06.9FAB

9. Emission Control Device Per SAE J1930

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

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
FE6TA-U1		225	101.0 @ 2600	88.2 @ 2600	492 @ 1600	95.3 @ 1600	51.2 @ 1600	OC,TC,CAC,ECM
FE6TA-U2		225	101.0 @ 2600	88.2 @ 2600	470 @ 1600	90.9 @ 1600	48.8 @ 1600	OC,TC,CAC,ECM