State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-276-23

Relating to Certification of New Heavy-Duty Engines and Vehicles

NISSAN DIESEL MOTOR CO., LTD.

Pursuant to the authority vested in the Air Resources Board at Sections 43100, 43101, and 43102 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned at Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-9; and

IT IS ORDERED AND RESOLVED: That the following 2000 model-year Nissan Diesel Motor Co., Ltd. diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

Engine Family	Displacement Liters	Displacement Cubic Inches	Exhaust Emission Control Systems and Special Features
YNDXH04.6FAB	4.6	282	Turbocharger Charge Air Cooler Electronic Control Module Oxidation Catalytic Converter

The engine models and codes are listed on attachments.

BE IT ORDERED AND RESOLVED: That the following are the certification exhaust emission standards for this engine family in grams per brake horsepower-hour under the Federal Test Procedure ("FTP") for Heavy-Duty Diesel Engines (Title 13, California Code of Regulations, Section 1956.8):

	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulate Matter
"FTP"	1.3	15.5	4.0	0.10

BE IT FURTHER RESOLVED: That the following are the certification exhaust emission values for this engine family in grams per brake horsepower-hour:

	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulate Matter
"FTP"	1.0	4.3	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, Sections 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 13th day of January 2000.

R. B. Summerfield, Chief
Mobile Source Operations Division

C. LARGE ENGINE MODEL SUMMARY

12/17/99

EO: A-276-23

Manufacturer: **Nissan Diesel Motor Co., Ltd.**

Process Code: **New Submission**

EPA Engine Family: **YNDXH04.6FAB**

Manufacturer Family Name: **N/A**

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/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/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
FD46TA-U1 MT	FD46TA-U1	175	104.0@ 2800	63.7@ 2800	334@ 1800	96.0@ 1800	37.8@ 1800	OC,TC,CAC,ECM
FD46TA-U1 AT	FD46TA-U1	175	104.0@ 2800	63.7@ 2800	334@ 1800	96.0@ 1800	37.8@ 1800	OC,TC,CAC,ECM
FD46TA-U2 MT	FD46TA-U2	145	88.5@ 2800	54.2@ 2800	276@ 1800	77.0@ 1800	30.3@ 1800	OC,TC,CAC,ECM
FD46TA-U2 AT	FD46TA-U2	145	88.5@ 2800	54.2@ 2800	276@ 1800	77.0@ 1800	30.3@ 1800	OC,TC,CAC,ECM