

State of California  
AIR RESOURCES BOARD

## EXECUTIVE ORDER A-276-10

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-45-3;

IT IS ORDERED AND RESOLVED: That the following Nissan Diesel Motor Co., Ltd. 1993 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>
PND0254EABX	4.2	(254)	Indirect Diesel Injection Turbocharger
PND0423FAC7	6.9	(423)	Powertrain Control Module Turbocharger Charge Air Cooler
PND0452FAC7	7.4	(452)	Powertrain Control Module Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

The following are the certification emission standards for these engine families in grams per brake-horsepower-hour:

<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
1.3	15.5	5.0	0.25

The following are the certification emission values for these engine families in grams per brake-horsepower-hour:

<u>Engine Family</u>	<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
PND0254EABX	0.2	0.6	4.4	0.19
PND0423FAC7	0.8	2.0	4.1	0.20
PND0452FAC7	0.7	1.5	4.2	0.20

NISSAN DIESEL MOTOR CO., LTD.

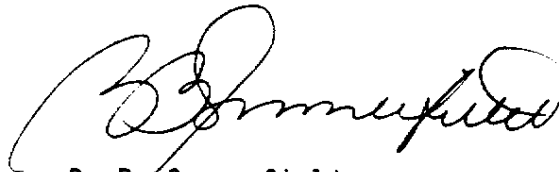
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BE IT FURTHER RESOLVED: That the Executive Officer has been provided all materials required to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 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 11<sup>th</sup> day of May, 1992.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

Section 16.00.00.00 Request for Certificate  
03.00.00 Certification Information

(CARRYOVER from 1992MY)

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1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINES

LHDD

Manufacturer NISSAN DIESEL MOTOR CO., LTD. Engine Family PND0254EABX

Liters (CID) 4.169 ( 254 ) Fuel Type Diesel Engine Config. Inline 6

Emission Control Sys. & Special Features IDI, TC  
(Use abbreviations per SAE J1930 June88)

Engine Model (Eng. Code)	Fuel Pump Mfr. P/N	Injector Mfr. P/N	Rated HP @ RPM	Fuel Rate @ Rated HP cc/stroke (mm3/stroke)	Part. Trap/ Catalyst Mfr. P/N
TD42T ( TD42T )	ZEXEL* CORPORATION 16700 05D00	ZEXEL* CORPORATION 16600 43C02	135 HP @3500 RPM	0.055 (55.0)	N.A.

Revisions:  
1290

Issue Date : 3/11/92  
Revision No. :  
Date :

Section 16.00.00.00 Request for Certificate  
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HEAVY-DUTY DIESEL ENGINES

MH02

Manufacturer NISSAN DIESEL MOTOR CO.,LTD. Engine Family PND0423FAC7

Liters (CID) 6.925 ( 423 ) Fuel Type Diesel Engine Config. Inline 6

Exhaust ECS & Special Features PCME,TC,CAC

(Use abbreviations per SAE J1930 June88)

Engine Model (Eng.Code)	Fuel Pump Mfr.P/N	Injector Mfr. P/N	Rated HP @ RPM	Fuel Rate @ Rated HP cc/stroke (mm3/stroke)	Part. Trap/ Catalyst Mfr. P/N
FE6TA ( FE6TA )	ZEXEL CORPORATION 16713 Z6006* (16713 25917)	ZEXEL CORPORATION 16600 Z5605	210 HP @2800 RPM	0.0965 ( 96.5 )	N.A.

Revisions:  
1290

\*: Fuel Injection Pump Ass'y Number Change : To change fuel injection pump gaskets from asbestos to non-asbestos.  
( ):1992MY Fuel Injection Pump Ass'y Number

Issuse Date : 3/11/92  
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 HEAVY-DUTY DIESEL ENGINES

MHDD

Manufacturer NISSAN DIESEL MOTOR CO.,LTD. Engine Family PND0452FAC7

Liters (CID) 7.412 ( 452 ) Fuel Type Diesel Engine Config. Inline 6

Exhaust ECS & Special Features PCME,TC,CAC  
 (Use abbreviations per SAE J1930 June88)

Engine Model (Eng.Code)	Fuel Pump Mfr.P/N	Injector Mfr. P/N	Rated HP @ RPM	Fuel Rate @ Rated HP cc/stroke (mm3/stroke)	Part. Trap/ Catalyst Mfr. P/N
NE6TA ( NE6TA )	ZEXEL CORPORATION 16713 95200* (16713 95169)	ZEXEL CORPORATION 16600 95017	240 HP @2800 RPM	0.1116 (111.6)	N.A.

Revisions:  
 1290

\*: Fuel Injection Pump Ass'y Number Change : To change fuel injection pump gaskets from asbestos to non-asbestos.  
 ( ):1992MY Fuel Injection Pump Ass'y Number

Issue Date : 3/11/92  
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