State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-276-16

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 1996 model-year Nissan 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

| Engine Family | Engine Displacement Liters | (Cubic Inches) | Exhaust Emission Control Systems and Special Features |
|---|---|---|---|
| TND423D6DAAA | 6.9 | (423) | Turbocharger<br>Charge Air Cooler<br>Oxidation Catalytic Converter<br>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:

| Hydrocarbons | Carbon Monoxide | Nitrogen Oxides | Particulates |
|---|---|---|---|
| 1.3 | 15.5 | 5.0 | 0.10 |

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

| Engine Family | Hydrocarbons | Carbon Monoxide | Nitrogen Oxides | Particulates |
|---|---|---|---|---|
| TND423D6DAAA | 1.2 | 5.1 | 4.7 | 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 31st day of January 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-276-16

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HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer: NISSAN DIESEL MOTOR CO., LTD. Engine Family: TND423D6DAAA
Displacement: 6.925 / ____ Liters 423 / ____ Cubic Inches
All Eng Codes in Eng Family: CA___ 49S___ 50S X Strokes/Cycle: 4 Valves/Cylinder: 2
Ignition: Compression X Compression with Glow Plug___ Spark___
Fuel Type(s): Dedicated X Flex-Fuel___ Dual-Fuel___ Bi-Fuel___ Diesel X CNG___
LNG___ LPG___ M85___ M100___ Other (specify)___
Diesel Cert Fuel: 13 CCR 2282___ 40 CFR 86.1313-90___ 40 CFR 86.1313-94 X
Maximum Rated Power: 210 HP @ 2800 RPM Engine Configuration: Inline 6
Exhaust ECS (e.g., OC, EGR, PTOX, IFI, TC, CAC): ECM, TC, CAC, OC
(Use abbreviations per SAE J1930 SEP91)

| Engine Model (Eng Code) | Rated HP @ RPM | Fuel Rate @ Rated HP $mm^3$ / stroke (lbs/hr) | Fuel Pump & Injector Part No. | ECM/PCM Part No. | EGR Valve Part No. | PTOX / Catalytic Converter Part No. |
|---|---|---|---|---|---|---|
| FE6TA (FE6TA) | 210 HP @2800 RPM | 94.8 ( 89.1 ) | Fuel Pump<br>a* 16713 Z6564<br>b* 16713 Z6565<br>Injector<br>16600 Z5614 | ECM(ECU)<br>25947 Z5504 | | Catalyst<br>20800 Z5501 |

a* and b* ---------- No difference exists with regard to the emission-related specifications of the injection pump component between these two injection pump assembly part numbers.

a* : for Manual Transmission
b* : for Automatic Transmission

Date Issued: 12/5/95

Revisions: