

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-276-3  
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. 1988 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JND0423DAA5	423 (6.9)	Engine Modification (Diesel Injection - Direct)

Engine models and codes are listed on attachments.

The following are the certification emission values for these engine families:

<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>	<u>Particulates gm/bhp-hr</u>
0.9	3.3	5.0	0.5

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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.

Executed at El Monte, California this 14<sup>th</sup> day of July, 1987.

*[Signature]*  
K. D. Drachand, Chief  
Mobile Source Division

## Section 16.03.00.00 Certification Information

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HEAVY-DUTY DIESEL ENGINES

Manufacturer NISSAN DIESEL MOTOR CO., LTD. Engine Family JND0423DAA5  
 Liters (CID) 6.925 (423) Engine Type Inline 6  
 Emission Control Sys. and (Special Features) EM

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP at RPM	Fuel Rate mm3/stroke (lbs/Hr)	Maximum Rated Torque at RPM	Fuel Rate mm3/stroke (lbs/Hr)
FEG	DIESEL KIKI CO., LTD.: 16713 Z5666	DIESEL KIKI CO., LTD.: 16600 Z5569	160 HP @ 3000 RPM	67.0 (67.5)	332 lbs.ft @ 1600 RPM	68.0 (36.5)

Issue Date	May 22, 1987		
Revision No.			
Date			