

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-290-8
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

DETROIT DIESEL CORPORATION

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 Detroit Diesel Corporation 1990 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 Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
LDD0426FZF0	7 (426)	Powertrain Control Module (Turbocharger) (Charge Air Cooler)

Engine models and codes are listed on attachments.

The following are the certification emission standards for this engine family:

<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>
1.3	15.5	6.0	0.60

The following are the certification emission values for this engine family:

<u>Engine Family</u>	<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>
LDD0426FZF0	0.4	2.0	5.6	0.51

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 (Health and Safety Code Section 43205.5).

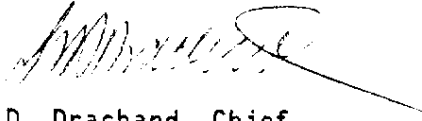
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Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 4 day of January, 1990.



K. D. Drachand, Chief
Mobile Source Division

17-LDD0426FZF0-17A

(For CARB Use Only)

(1990)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY DIESEL ENGINES

Manufacturer: Detroit Diesel Corporation

Executive Order No.: A-290-8

Engine Family: LDD0426FZF0

Liter (CID): 7 (426)

Emission Control System and (Special Features): Powertrain Control Module
(TC), (CAC), PCME

ENGINE MODEL	FUEL INJECTION PUMP MFR PART NO.	ENGINE CODE INJECTOR MFR PART NO.	MAXIMUM RATED HP AT RPM	FUEL RATE mm ³ /STROKE (LBS/HR)	MAXIMUM RATED TORQUE AT RPM	FUEL RATE mm ³ /STROKE (LBS/HR)
6L-71TA DDEC ALCC	NA	1A (1) 5234915	300@2100	80.7 (112.7)	1000@1200	106.1 (84.7)
		2A (1) 5234915	300@2100	81.6 (114.0)	850@1200	90.3 (72.1)
		3A (1) 5234915	270@2100	72.5 (101.3)	900@1200	94.8 (75.7)
		4A (1) 5234915	270@1800	87.3 (104.5)	850@1200	92.8 (74.1)
		5A (1) 5234915	240@2100	68.7 (96.0)	850@1200	91.6 (73.1)
		6A (1) 5234915	240@1800	77.4 (92.7)	850@1200	91.6 (73.1)
		7A (1) 5234915	240@2100	64.3 (89.8)	1000@1200	106.1 (85.2)

(1) Diesel Technology Corporation

ISSUED: 12-21-89

REV. NO.: