State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-290-4
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 14,000 pounds:

Engine Family	Displacement Liters	(Cubic Inches)	Exhaust Emission Control Systems (Special Features)
LDD0426FAF6	7.0	(426)	Smoke Puff Limiter (Turbocharger) (Charge Air Cooler)
LDD0552FAG1	9.0	(552)	Smoke Puff Limiter (Turbocharger) (Charge Air Cooler)
LDD0736FAH9	12.0	(736)	Smoke Puff Limiter (Turbocharger) (Charge Air Cooler)

Engine models and codes are listed on attachments.

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

Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides g~/bhp-hr	Particulates gm/bhp-hr
1.3	15.5	6.0	0.60

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

Engine Family	Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr	Particulates gm/bhp-hr
LDD0426FAF6	0.71	4.2	5.5	0.59
LDD0552FAG1	0.74	" 3.2	5.7	0.56
LDD0736FAH9	0.73	2.7	5.8	0.47

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).

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 23rd day of October, 1989.

K. D. Drachand, Chief
Mobile Source Division

17-LDD0426FAF6-5A

(For CARB Use Only)

(1990)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY DIESEL ENGINES

Manufacturer: Detroit Diesel Corporation Executive Order No.: A-290-4

Engine Family: LDD0426FAF6 Liter (CID): 7 (426)

Emission Control System and (Special Features): SPL, (TC), (CAC)

ENGINE MODEL	FUEL INJECTION PUMP MFR PART NO.	ENGINE CODE INJECTOR MFR PART NO.	MAXIMUM RATED HP AT RPM	FUEL RATE mm3/STROKE (LBS/HR)	MAXIMUM RATED TORQUE AT RPM	FUEL RATE mm3/STROKE (LBS/HR)
6L-71TA JWAC	NA	7G70 (1) 5229900	250@2100	74.6 (104.2)	730@1200	86.0 (68.6)
		7G75 (1) 5229905	270@2100	80.0 (111.7)	788@1200	91.6 (73.1)
		7G75 (1) 5229905	285@2100	81.0 (113.1)	850@1200	91.4 (72.9)
		7G75 (1) 5229905	264@1800	84.0 (100.6)	850@1200	91.4 (72.9)
		7G75CP (1) 5229905	230@1950 Min.	69.0 (89.5)	850@1200	91.4 (72.9)
		7G70 (1) 5229900	265@2100	74.9 (104.7)	792@1200	85.2 (68.0)
		7G70 (1) 5229900	245@1800	78.1 (93.5)	792@1200	85.2 (68.0)

(1) Diesel Technology Corporation

ISSUED: 09-16-89 REV. NO.:

17-LDD0552FAG1-1A

(For CARB Use Only)

(1990)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY DIESEL ENGINES

Manufacturer: Detroit Diesel Corporation

Executive Order No.: A-290-24

Engine Family: LDD0552FAG1

Liter (CID): 9 (552)

Emission Control System and (Special Features): Throttle SPL (CAG), (TC)

ENGINE MODEL	FUEL INJECTION PUMP MFR PART NO.	ENGINE CODE INJECTOR MFR PART NO.	MAXIMUM RATED HP AT RPM	FUEL RATE mm3/STROKE (LBS/HR)	MAXIMUM RATED TORQUE AT RPM	FUEL RATE mm3/STROKE (LBS/HR)
6V-92TA	NA	9F85 (1) 5226085	310@2100	86.3 (120.5)	955@1200	96.5 (77.0)

(1) Diesel Technology Corporation

ISSUED: 09-16-89

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17-LDD0736FAH9-3A

(For CARB Use Only)

(1990)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY DIESEL ENGINES

Manufacturer: Detroit Diesel Corporation

Executive Order No.: A-290-~~2~~ 4

Engine Family: LDD0736FAH9

Liter (CID): 12 (736)

Emission Control System and (Special Features): SPL (CAC), (TC)

ENGINE MODEL	FUEL INJECTION PUMP MFR PART NO.	ENGINE CODE INJECTOR MFR PART NO.	MAXIMUM RATED HP AT RPM	FUEL RATE mm3/STROKE (LBS/HR)	MAXIMUM RATED TORQUE AT RPM	FUEL RATE mm3/STROKE (LBS/HR)
8V-92TA	NA	9E70 (1) 5229975	370@2100	78.7 (146.6)	1170@1200	89.7 (95.4)

(1) Diesel Technology Corporation

ISSUED: 09-16-89

REV. NO.: