State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-49
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

CUMMINS ENGINE COMPANY, INC.

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 Cummins Engine Company, Inc. 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:

Engine Family	Displacement Liters (Cubic Inches)		Exhaust Emission Control Systems (Special Features)
JCE03.4EAA2 (472)	3.4	(210)	Smoke Puff Limiter (Diesel Injection - Prechamber) (Turbocharger)

Engine models and codes are listed on attachments.

The following are the emission standards for this engine family:

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

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

Engine Family	Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr	Particulates gm/bhp-hr
JCE03.4EAA2 (472)	0.6	2.1	4.3	0.58

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 and attachment.

Executed at El Monte, California this 21st day of December, 1987.

K. D. Drachand, Chief
Mobile Source Division

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1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Cummins Engine Co., Inc. Engine Family JCE03.4EAA2

Liter (CID) 3.434 (210) Eng. Type In-line, 6 cylinders

Emission Control Sys. and (Special Features) DIP (TC), SPL

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP at RPM	Fuel Rate mm^3/stroke (lbs/Hr)	Maximum Rated Torque at RPM	Fuel Rate mm^3/stroke (lbs/Hr)
6AT3.4	Robert Bosch	Robert Bosch				
CPL #s						
1177	147-0465-15	147-0723-02	120 @ 3600	50.3 (61.1)	221@2000	54.3 (36.6)
1178	147-0465-18	147-0723-02	102 @ 3600	43.8 (53.1)	187@2000	46.0 (31.1)
1206	147-0465-22	147-0723-02	105 @ 3000	51.1 (51.8)	215@1600	52.2 (28.2)

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