State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-81

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. 1992 model-year diesel engine family is certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

Fuel Type: Diesel

Engine Family	Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
NCE0239FAB4 (383B)	3.9	(239)	Smoke Puff Limiter Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

The certification emission standards and, in accordance with the manufacturer's particulates averaging program, the family's particulates emission limit for this engine family in grams per brake horsepower-hour are:

Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates Average	Particulates Family's Limit
1.3	15.5	5.0	0.25	0.37

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

Engine Family	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
NCE0239FAB4 (383B)	0.3	1.6	4.3	0.37

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.)

BE IT FURTHER RESOLVED: That these engines are included in a diesel heavy-duty particulates averaging program as permitted in the "California Exhaust Emission Standards for 1985 and Subsequent Model Heavy-Duty Engines and Vehicles, amended July 12, 1991", referenced section 86.091-11(a)(1)(iv)(c).

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 30th day of September, 1992.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-21-81

1992 MODEL-YEAR CERTIFICATION ~~REVIEW SHEET~~
HEAVY-DUTY DIESEL ENGINES SDS

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Manufacturer Cummins Engine Company, Inc. Engine Family (383B) NCE0239FAB4

Liter (CID) 3.9 (239) Eng. Type I-4

Emission Control Sys. & Special Features (Use abbreviations per SAE J1930 Jun88) SPL, TC, CAC

Engine Model (Eng. Code)	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm^3/stroke	Particulate Trap Mfr. Part Number
B3.9-120 (0986)	Robert Bosch 3913443 (12V) 3919006 (24V)	Robert Bosch 3919010	120 @ 2500	81	NA

Revisions:
031390
030186

SUBMITTED
AUG 27 1992