State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-71

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 diesel engines are 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
NCE0239FAA3 (383A)	3.9	(239)	Smoke Puff Limiter Charge Air Cooler Turbocharger
NCE0359FAB9 (403B)	5.9	(359)	Smoke Puff Limiter Charge Air Cooler Turbocharger

Engine models and codes are listed on attachments.

The certification emission standards for these engine families in grams per brake-horsepower-hour are as follows:

Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates (Average)
1.3	15.5	5.0	0.25

The certification emission values and particulates emission limits for these engine families in grams per brake-horsepower-hour are as follows:

Engine Family	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates Emission Limit	Particulates Certification
NCE0239FAA3 (383A)	0.4	1.8	4.4	0.31	0.31
NCE0359FAB9 (403B)	0.2	1.0	4.2	0.20	0.20

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 particulate averaging program as permitted in the "California Exhaust Emission Standards for 1985 and Subsequent Model Heavy-Duty Engines and Vehicles, as Amended on May 15, 1990", 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 October, 1991.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-21-77

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Cummins Engine Company, Inc. Engine Family (383A) NCE0239FAA3

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

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

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
B3.9-105 (1260)	Robert Bosch 3913443 (12V) 3919006 (24V)	Robert Bosch 3918965	105 @ 2500	74.7	NA

Revisions:
031390
030186

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SEP 25 1991

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1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Cummins Engine Company, Inc. Engine Family (403B) NCE0359FAB9

Liter (CID) 5.9 (359) Eng. Type I-6

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

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
B5.9-230 (0987)	Robert Bosch 3913440 3921769	Robert Bosch 3919091	230 @ 2500	104.0	NA
B5.9-210 (1422)	Robert Bosch 3918321 3921776	Robert Bosch 3919091	210 @ 2500	96.0	NA
B5.9-190 (1261)	Robert Bosch 3919090 3921777	Robert Bosch 3919092	190 @ 2500	89.0	NA

Revisions:
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030186

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