State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-78

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
NCE0505FAB2 (413C)	8.3	(505)	Smoke Puff Limiter Turbocharger Charge Air Cooler
NCE0359FACX (403C)	5.9	(359)	Smoke Puff Limiter Turbocharger Charge Air Cooler

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
1.3	15.5	5.0	0.25

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

Engine Family	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
NCE0505FAB2 (413C)	0.5	1.5	4.4	0.25
NCE0359FACX (403C)	0.3	2.1	4.9	0.23

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.)

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 15th day of April, 1992.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-21-78

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY ENGINES

Manufacturer Cummins Engine Company, Inc. Engine Family (413C) NCE0505FAB2

Liter (CID) 8.3 (505) 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
C8.3-225 (1439)	Robert Bosch 3921971	Robert Bosch 3921421	225@2200	115	NA
C8.3-210 (1439)	Robert Bosch 3921972	Robert Bosch 3921421	210@2200	103	NA

Revisions:
031390
030186

SUBMITTED
MAR 2 1992

E.O.# A-278

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

Manufacturer Cummins Engine Company, Inc. Engine Family (403C) NCE0359FACX

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
B5.9-175 (1527)	Robert Bosch 3921837	Robert Bosch 3919092	175 @ 2500	81.0	NA

Revisions:
031390
030186

SUBMITTED
MAR 25 1992