

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-74

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

<u>Engine Family</u>	<u>Liters (Cubic Inches)</u>		<u>Exhaust Emission Control Systems and Special Features</u>
NCE0855FZC7 (093P)	14.0	855	Turbocharger Charge Air Cooler Powertrain Control Module

Engine models and codes are listed on attachments.

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

<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates (Average)</u>
1.3	15.5	5.0	0.25

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

<u>Engine Family</u>	<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates Emission Limit</u>	<u>Particulates Certification</u>
NCE0855FZC7	0.4	1.9	4.8	0.26	0.26

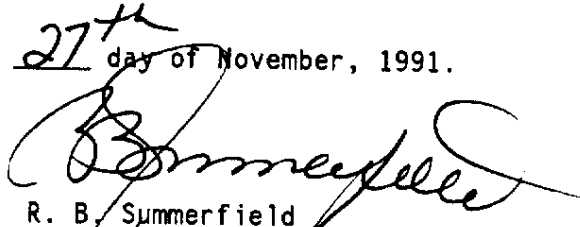
BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.)

BE IT FURTHER RESOLVED: That this engine is included in a diesel heavy-duty particulate averaging program as permitted in "California Exhaust Emission Standards for 1985 Subsequent Model Heavy-Duty Diesel Engines and Vehicles, Amended 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 27th day of November, 1991.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINESPage 1Manufacturer Cummins Engine Company, Inc. Engine Family (093P) NCE0855FZC7Liter (CID) 14 (855) Eng. Type I-6Emission Control Sys. & Special Features PCME (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
N14-350E (1391)	Cummins	Cummins 3070739	350@1600	211	NA
N14-330E (1540)	Cummins	Cummins 3070739	330@1600	196	NA
N14-330E (1536)	Cummins	Cummins 3070739	330@1600	200	NA
N14-330E (1537)	Cummins	Cummins 3070739	330@1600	200	NA
N14-350E (1535)	Cummins	Cummins 3070739	350@1600	213	NA
N14-310E (1538)	Cummins	Cummins 3070739	310@1600	189	NA

Revisions:

031390

030186

SUBMITTED

OCT 11 1991