State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-60
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. 1990 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)
LCE0855FZB8 (093M)	14	(855)	Powertrain Control Module Smoke Puff Limiter (Charge Air Cooler)

Engine models and codes are listed on attachments.

The following are the certification emission standards for these engine families:

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 these engine families:

Engine Family	Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr	Particulates gm/bhp-hr
LCE0855FZB8 (093M)	0.2	2.0	5.3	0.26

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 attachments.

Executed at El Monte, California this 25th day of May, 1990.

Raphael Fasnowitz

for R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Cummins Engine Company, Inc. Engine Family LCE0855FZB8 (093M)

Liter (CID) 14 (855) Eng. Type Inline 6

Emission Control Sys. and (Special Features) PCME, EM, SPL (DI, CAC)

Engine Model	Electronic Control Module 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)
N14-454E CPL 1272	Cummins 3616638	Cummins 3068356	454@1600	293 (158)	1550@1200	287 (116)

Date of Issue _____ Revisions:

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N14-454E CPL 1272	Cummins 3616638	Cummins 3068356	454@1600	293 (158)	1550@1200	287 (116)
(1)N14-460E CPL 1324	Cummins 3618046	Cummins 3070739	460@1700	273 (157)	1550@1200	282 (114)
(2)N14-460E CPL 1384	Cummins 3618046	Cummins 3070739	460@1700	273 (157)	1550@1200	282 (114)
(2)N14-430E CPL 1385	Cummins 3618046	Cummins 3070739	430@1700	255 (146)	1450@1200	262 (106)
(2)N14-430E CPL 1386	Cummins 3618046	Cummins 3070739	430@1700	253 (145)	1450@1200	262 (106)
(2)N14-370E CPL 1390	Cummins 3618046	Cummins 3070739	370@1600	235 (127)	1400@1200	255 (103)
(3)N14-370E CPL 1389	Cummins 3618046	Cummins 3070239	370@1600	226 (122)	1400@1200	255 (103)

Date of Issue May 25, 1990 Revisions: (1) 6-15-90
(2) 9-14-90
(3)11-01-90

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