File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-39
Relating to Certification of New Motor Vehicle Heavy-Duty 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. 1987 model-year diesel-powered engines have shown compliance with the transient test procedure and standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

Engine Family	Displacement Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)
HCE0855FPCO	855	(14.0)	Engine Modification Smoke Puff Limiter (Diesel Injection - Direct) (Turbocharger) (Intercooler)

Engine models and codes are listed on attachments.

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

Engine Family	Hydrocarbons gm/bhp-hr	Nitrogen Oxides gm/bhp-hr
HCE0855FPCO	0.6	4.7

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.

Executed at El Monte, California this 21st day of October, 1986.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-21-39

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Cummins Engine Company, Inc. Engine Family HCE0855FPCO

Litre (CID) 14.0 (855) Eng. Type Inline 6

Emission Control Sys. and (Special Features) AFC, MVT Turbocharged, DID

Engine Model	Fuel Injection Pump Mfr Part Number	Injector Mfr. Part Number	Maximum Rate HP at RPM	Fuel Rate mm3/stroke (lbs/Hr)	Maximum Rated Torque at RPM	Fuel Rate mm3/stroke (lbs/Hr)
NTCC-400 CPL 0614	3037216 3034873 3034874	Cummins 3047980 3037338	400 @ 2100	215 (152)	1250@1300	255 (112)
NTCC-350 CPL 0615	Same	Cummins 3047982 3040912	350 @ 1800	203 (123)	1175@1300	230 (101)
NTCC-300 CPL 0616	Same	Cummins 3047981 3038187	300 @ 1800	173 (105)	1050@1300	205 (90)
NTCC-240 CPL 0617	Same	Cummins 3047979 3037337	240 @ 1800	143 (87)	900@1300	178 (78)
NHHTC-350 CPL 0677	Same	Cummins 3047982 3040912	350 @ 2100	196 (139)	1065@1300	219 (96)
NTCC-350 CPL 0795	Same	Cummins 3047982 3040912	350 @ 1800	201 (122)	1175@1300	219 (96)
NTCC-315 CPL 0794	Same	Cummins 3047981 3038187	315 @ 1800	183 (111)	1150@1300	217 (95)

Date of Issue _____ Revisions:

030186