State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-89

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. 1993 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
PCE0611FZE3 (343I)	10.0	(611)	Turbocharger Charge Air Cooler Periodic Trap Oxidizer Powertrain Control Module

Engine models and codes are listed on attachments.

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

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
1.3	15.5	5.0	0.10

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

Engine Family	Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
PCE0611FZE3 (343I)	0.3	2.9	5.0	0.05

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 the listed engine family is certified for use in urban buses.

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 December, 1992.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Cummins Engine Company, Inc. Engine Family 343I PCE0611FZE3

Liter (CID) 10 (611) Fuel Type Diesel Engine Config. I-6

Exhaust ECS & Special Features (ECM/PCM, PTOX, IFI, etc.) PCM (TC, CAC) PTOX
(Use abbreviations per SAE J1930 May91)

Engine Model (Eng. Code)	Advertised HP @ RPM	Fuel Rate @ Rated HP mm^3 /stroke (lbs/hr)	Injector P/N	ECM/PCM P/N	Part.Trap/ Catalyst P/N
L10-280E (1617)	280 @ 2000	145 (98)	3073996 3081318	NA	Donaldson 3079927 3895126 3895125

Revisions:

SUBMITTED
OCT 16 1992