State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-116-1

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. 1995 model diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

Engine Family	Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
SCE505D6DABW (413G)	8.3	(505)	Oxidation Catalytic Converter Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

The certification exhaust emission standards and, in accordance with the manufacturer's particulates averaging program, the particulates emission limit for this engine family in grams per brake horsepower-hour are:

Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates Emission Standard	Particulates Averaging Value	Particulates Family Limit
1.3	15.5	5.0	0.10	0.10	0.11

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

Engine Family	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Particulates
SCE505D6DABW (413G)	0.3	0.4	4.8	0.09

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 these engines are included in a diesel heavy-duty particulates averaging program as permitted in the "California Exhaust Emission Standards for 1985 and Subsequent Model Heavy-Duty Engines and Vehicles, amended July 12, 1991", referenced section 86.091-11(a)(1)(iv)(c).

Executive Order A-21-116 dated December 5, 1994, is hereby supersede by Executive Order A-21-116-1.

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 21st day of March, 1995.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-21-116-1

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer Cummins Engine Company, Inc. Engine Family (413G) SCE505D6DABW

Displacement: / 8.3 Liters / 505 Cubic Inches

Maximum Rated Power: 250 HP @ 2200 RPM Engine Configuration: I-6

Ignition: Compression X Compression with Glow Plug_ Spark_

Fuel Type(s): Dedicated_ Flex-Fuel_ Dual-Fuel_ Diesel X M100_ M85_

CNG_ LNG_ LPG_ Other (specify)_

Diesel Cert Fuel: 13 CCR 2282_ 40 CFR 86.1313-90_ 40 CFR 86.1313-94 X

Primary Intended Service Class: LHD_ MHD X HHD_ Urban Bus_

Exhaust ECS (include MFI, TC, CAC): OC (TC, CAC)

(use abbreviations per SAE J1930 SEP91)

Engine Model (Eng Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm3 / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
C8.3-250 (1569)	250 @ 2200	125 (92.5)	FP:3922471 IN:3922913 IN:3926117	N/A	N/A	3926265
C8.3-225 (1563)	225 @ 2200	113 (84)	FP:3922424 IN:3922907	N/A	N/A	3926265
C8.3-210 (1563)	210 @ 2200	106 (79)	FP:3922426 IN:3922907	N/A	N/A	3926265

Date Issued:

Revisions: