State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-120-A

Relating to Certification of New Medium-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 1995 model-year Cummins Engine Company, Inc. engine and exhaust emission control systems are certified as described below for use in medium-duty vehicles with a manufacturer's gross vehicle weight rating (GVWR) of 8,501 to 14,000 pounds:

Fuel Type: Diesel

Engine Family	Liters	(Cubic Inches)	Exhaust Emission Control Systems and Special Features
SCE359D6DABW (403G)	5.9	(359)	Turbocharger Charge Air Cooler Oxidation Catalytic Converter

Engine models and codes are listed on attachments.

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

Total	Carbon	Nitrogen	<u>Particulates</u>	
<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>		
1.3	15.5	5.0	0.10	

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

Engine	Total	Carbon	Nitrogen	<u>Particulates</u>
<u>Family</u>	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	
SCE359D6DABW (403G)	0.3	1.7	5.0	0.07

BE IT FURTHER RESOLVED: That, pursuant to Title 13, California Code of Regulations, Section 1960.1(h)(1)(3), the listed engine models are certified to the exhaust emission standards and test procedures applicable to 1994 model-year heavy-duty diesel-cycle engines (Title 13, California Code of Regulations, Section 1956.8) based on a phase-in compliance plan submitted by the manufacturer.

BE IT FURTHER RESOLVED: That for the listed engine models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model-year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That for the listed engine models are not subject to the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed engine models have been exempted from the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, Claifornia Code of Regulations, Section 1968.1(m)(2.0) for the aforementioned model year.

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.).

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

day of December, 1994

R. B./Summerfield/ Assistant Division Chief

Mobile Source Division

199<u>5</u> AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer <u>Cur</u>	umins Engine Co	mpany, inc. En	gine ramii/403c	H 2CE33ADODA	BW	
Displacer	ment://	Liters	•		/ 359	_Cubic Inches
Maximum Rated F	ower: 148	HP@ <u>2600</u>	RPM	En	gine Configure	tion: <u>I-6</u>
Ignition: Compres	ssion <u>X</u>	Compr	ession with Glow	Plug_		Spark_
Fuel Type(s): Dec	licated I	lex-Fuel_ D	Dual-Fuel_	Diesel <u>X</u>	M100	M85_
		CNG_ LNC	LPG	Other (speci	fy)	
Diesel Cert Fuel:	13 CCR 2282	_	40 CFR 86.1313	·90 <u> </u>	40 CFR 86.	1313-94 <u>X</u>
Primary Intended	Service Class: L	HD <u>X</u>	MHD <u>X</u>	HHD	_ Ur	ban Bus_
Exhaust ECS (incl	lude.MFI, TC, C	AC):	OC (TC, CAC)			.
	····	·····		ons per SAE J193		
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.
B5.9-160 (1959)	148 @ 2600	73 (64)	FP:3921918 IN:3926817	N/A	NA	3926233
Date Issued:						
Revisions:			Ĺ			Į