State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-21-145

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-45-9;

IT IS ORDERED AND RESOLVED: That the following Cummins Engine Company, Inc. 1996 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
TCE505D6DABW (413G)	8.3	(505)	Oxidation Catalytic Converter Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

The certification exhaust 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 certification exhaust 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>	
TCE505D6DABW (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.).

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 27 th day of November 1995.

R B. Summerfield Assistant Division Chief Mobile Source Division

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199<u>6</u> AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer <u>Cu</u>	mmins Engine C	ompany, Inc. Er	igine Family <u>(413C</u>	TCE505D6DA	<u>ABW</u>	
Displace	ment: / 8.	3 Liters			/ 505	_Cubic Inches
Maximum Rated	Power: 250	_HP @2200	_RPM	En	gine Configura	ation: <u>I-6</u>
Ignition: Compre	ession <u>X</u>	Compi	ression with Glow	Plug_		Spark_
Fuel Type(s): De	dicated X	Flex-Fuel I	Dual-Fuel_	Diesel <u>X</u>	M100_	M85_
		CNG_ LNC	G_ LPG_	Other (speci	ify)	
Diesel Cert Fuel:	13 CCR 2282_		40 CFR 86.1313-	90	40 CFR 86.	1313-94 <u>X</u>
Primary Intended	Service Class: I	.HD_	MHD <u>X</u>	HHD	_ Ur	ban Bus_
Exhaust ECS (inc	lude.MFI, TC, C	AC):				
	,		(use abbreviatio	ns 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.
C8.3-250 (1569)	250 @ 2200	125 (92.5)	FP:3922471 IN:3922913 IN:3926117	N/A	N/A	3926265 3929434
C8.3-225 (1563)	225 @ 2200	113 (84)	FP:3922424 IN:3922907	N/A	N/A	3926265 3929434
C8.3-210 (1563)	210@2200	106 (79)	FP:3922426 IN:3922907	N/A	N/A	3926265 3929434
C8.3-250 (2103)	250@2200	125(92.5)	FP:3922471 IN:3928384	N/A	N/A	3926265 3929434
C8.3-225 (2101)	225 @ 2200	113(84)	FP:3922424 IN:3928387	N/A	N/A	3926265 3929434
C8.3-210 (2101)	210 @ 2200	106(79)	FP:3922426 IN:3928387	N/A	N/A	3926265 3929434
Date Issued:						
Revisions:	1	1	1		1	