(Page 1 of 2)

#### 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

<u>Engine Family</u>	Liters	(Cubic Inches)	Exhaust Emission Control <u>Systems and Special Features</u>
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>	_Oxides_	
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.). CUMMINS ENGINE COMPANY, INC.

EXECUTIVE ORDER A-21-145 (Page 2 of 2)

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  $27 \frac{\text{th}}{\text{day of November 1995.}}$ 

Koundai for

R. B. Summerfield Assistant Division Chief Mobile Source Division

## E.O.# A-21- 145

Page <u>1</u> of <u>1</u>

#### 1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer Cummins Engine	Company, Inc.	_ Engine Family 4	13G) TCE505	D6DABW	
Displacement:/	8.3 Liters			/	505 Cubic Inches
Maximum Rated Power: 250	HP @2	00		Engine Cont	figuration: <u>I-6</u>
Ignition: Compression <u>X</u>	C	Compression with G	low Plug		Spark_
Fuel Type(s): Dedicated	Flex-Fuel_	Dual-Fuel_	Diesel <u>X</u>	M100_	M85_
	CNG_	LNG_ LPG	Other	(specify)	
Diesel Cert Fuel: 13 CCR 2282		40 CFR 86.13	13-90	40 CFI	R 86.1313-94 <u>.X</u>
Primary Intended Service Class:	LHD_	MHD <u>X</u>		HHD_	Urban Bus
Exhaust ECS (include.MFI, TC,	CAC):			E 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 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: