Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

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MODEL YEAR	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS ²	ECS & SPECIAL FEATURES 3
2005	5CEXH0661MAT	10.8	Diesel	Diesel	HHDD	PCM, EGR, DDI, TC, CAC
ENGINE (ENGINE MO	DELS / CODES (r	ated power, in hp	3)
	-/			See Attachme	ent	
10.8				*		
*						
				*		
*				*	tion way 40 CEP 96	.abc=Title 40, Code of Federal Regulations, Section 86.abc;

⁼not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc;

niter, rip-riorsepower, kw-knowatt,
CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel;

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.1 (urban bus) or 13 CCR 1956.8 (other than urban bus); 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, in g/bhp-hr, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieur of testing. (For flexible, and dual field engines, the CEPT values in brockets I are those when tested an applicable test field. of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.1 or 13 CCR 1956.8 are in parentheses.)

				NWHC4NOv CO			CO	PM		нсно	
								FTP EURO		FTP	EURO
FTP	EURO	FTP	EURO	FIP	EURO				0.10	*	*
0.5	0.5					15.5	*	*	*	*	*
*	*	<u> </u>	1	4		- 00	0.4	0.10	0.08	*	*
0.2	0.1									*	
0.625										=standard or emission test cap;	
	NM FTP 0.5 *	NMHC FTP EURO 0.5 0.5	NMHC N FTP EURO FTP 0.5 0.5 * * * * 0.2 0.1 *	NMHC NOx FTP EURO EURO	NMHC NOx NMHC FTP EURO FTP 0.5 0.5 * * * * * 2.3 0.2 0.1 * 2.0 0.625 * 2.	NMHC NOx NMHC+NOx FTP EURO FTP EURO 0.5 0.5 * * * * * * * * * 2.3 2.3 0.2 0.1 * 2.0 2.2 0.625 * 2.875	NMHC NOx NMHC+NOx FTP EURO FTP EURO FTP 0.5 0.5 * * * 15.5 * * * 2.3 2.3 * 0.2 0.1 * 2.0 2.2 0.6 0.625 * 2.875 19	NMHC NOx NMHC+NOx CO FTP EURO FTP E	NMHC NOx NMHC+NOx CO FF FTP EURO FTP EURO FTP EURO FTP 0.5 0.5 * * * * 15.5 15.5 0.10 * * * * 2.3 2.3 * * * 0.2 0.1 * 2.0 2.2 0.6 0.4 0.10 0.625 * 2.875 19.375 0.	NMHC NOx NMHC+NOx CO PM FTP EURO FTP EURO FTP EURO FTP EURO FTP EURO O.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.08 0.2 0.1 0.10 0.08 0.12 0.125	NMHC NOx NMHC+NOx CU FTM EURO FTP FTP EURO FTP EURO FTP EURO FTP EURO FTP 0.5 0.5 *

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde;

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

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 Executive Order.

This Executive Order hereby supersedes Executive Order A-021-0384 dated December 20, 2004.

Executed at El Monte, California on this 29 the day of June 2005.

Mobile Source Operations Division

CNG/LNG=compressed/liquelled natural gas; LPG=liquelled petroleum gas, Eo3=05% etilation lique, Mr=Halling liquelled, Mr=Halling liq