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.

engines	shall be in all it	iaterial respe		STANDARDS	INTENDED	ECS & SPECIAL FEATURES 3
MODEL	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE '	& TEST PROCEDURE	SERVICE CLASS 2	
YEAR		8.9	Diesel	Diesel	MHDD	OC, PCM, DDI, TC, CAC
2006	6CEXH0540LAI	8.8	ENGINE MO	DELS / CODES (I	ated power, in	hp)
ENGINE (L	->		ISL	350 / 8780;FR91	704 (350)	
8.9				•		
•	_			*		
						86.abc=Title 40, Code of Federal Regulations, Section 86.abc;
l <u>*</u>		· · · he reflect 11	CCB vvz=Title 13, California Code	of Regulations, Ser	ction xyz; 40 CFR	86.20C=110E 40, Obdo 5.7

* =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;

L=iiter; hp=horseprower; kwi=kilowatt;

CNG/LNG=comptosed/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;

LBB=Ufb=light/productions/paged hasped-titly disease title=urban bus; MDOstbeased duty Office.

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=fiexible fuel; LMM HDD=light/medium/heavy duty diteset; UB=urban bus; HDD=heavy duty Otto; LMM HDD=light/medium/heavy heavy-duty diteset; UB=urban bus; HDD=heavy duty Otto; LFS=mission control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) =warm-up catalyst; DFF=dieset particulate filter; HO25/O2S=heated/oxygen sensor; GACAB=gaseous carburetor; fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); TBI=throttle body fuel injection; SFIMFI=sequential/multi port fuel injection; DGI=direct gasoline injection; SPL=smoke puff limiter; IDIDDI=indirect/direct dieset injection; TC/SC=turbo/super charger; CAC=charge already cooler; EGR=exhaust gas recirculation; PAIR/AIR=pulsed/secondary air injection; SPL=smoke puff limiter; (2004may26) [2004may26] [2004m

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 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 lieu 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.)

ngines, the	e STD and	CER I vai	ues for de	staut opere	taon potter				B	M	нс	HO
			NOx		NMHC+NOx		co			EURO	FTP	EURO
	NMHC				FTP EURO	FTP	EURO	FTP				
	FTP EURO	EURO	FTP	EURU		+	15.5	15.5	0.10	0.10		
STD	0.5	0.5	· -	<u> </u>		\	- :- -	1	•	•	•	<u> </u>
		•	•	•	3.2	3.2		 	0.10	0.09	•	·
FEL	!	0.07		•	2.9	2.7	2.6	1.5		<u> </u>	*	
CERT	0.2	0.07			4,0		19.375		0.125		i in test soni	
NTE	0.625					III European Steady-State Cycle; NTE=Not-to-Exceed; STD=standard or emission test cap III European Steady-State Cycle; NTE=Not-to-Exceed; STD=standard or emission test cap III European Steady-State Cycle; NTE=Not-to-Exceed; STD=standard or emission test cap III European Steady-State Cycle; NTE=Not-to-Exceed; STD=standard or emission test cap III European Steady-State Cycle; NTE=Not-to-Exceed; STD=standard or emission test cap III European Steady-State Cycle; NTE=Not-to-Exceed; STD=standard or emission test cap III European Steady-State Cycle; NTE=Not-to-Exceed; STD=standard or emission test cap III European Steady-State Cycle; NTE=Not-to-Exceed; STD=standard or emission test cap III European Steady-State Cycle; NTE=Not-to-Exceed; PM=particulate matter; HCHO=formalde						
		1 - b	or hour E	P=Federal Te	st Procedure:	EURO=Euro II	I European Ste	mitrocen: CO	=carbon monox	ide, PM≔particu	late matter; nu	HO-IOITIAIGOT.

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.

_ day of December 2005. Executed at El Monte, California on this _____27TL

Raphael Sugnewit

Mobile Source Operations Division