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.

MODEL	EAR ENGINE FAMILY SIZES (L)			FUEL TYPE	STANDARDS & TEST	INTENDED SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6				
YEAR				Dual-Fuel:	PROCEDURE	CLASS	2TWC, SFI, 2HO2S(2)	EMD				
2008			LPG or Gasoline	Otto	HDO	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
	NS CONTROL	ADDITIONAL IDLE EMISSIONS CONTROL 5										
	N/A	N/A										
ENGINE ((L) ENGINE MODELS / CODES (rated power, in hp)											
6.0		GM6.0L / 1 (290 LPG / 287 Gasoline)										
* =not appli	icable; GVWR=gross	vehicle v	weight rating; 13 CC	R xyz=Title 13, California Code	of Regulations, Sec	ion xyz; 40 CFR	86.abc=Title 40, Code of Federal Regulati	ons, Section 86.abc;				
L=liter: ho	i=horsepower: kw=ki	lowatt: h	r=hour;									
						tituera.k.a. BF=	bifuel; DF=dual fuel; FF=flexible fuel;					
3 500-0	minnian agetral eurota	TWC	C=three_ursu/ovidiz	rban bus; HDO≃heavy duty Otto ing catalyst: NAC≃NOx adsorpt	ion catalyst: SCR-I	J / SCR-N=selec	tive catalytic reduction – urea / ammonia;	WU (prefix) =warm-				
up catalyst TBI=throttle super char control mos	t; DPF=diesel particule body fuel injection; ger; CAC=charge air dule; FM=engine mo	late filter; SFI/MFI: cooler; dification	PTOX=periodic trap -sequential/multi port EGR / EGR-C=exhau 2 (prefix)=parallel:	oxidizer; HO2S/O2S=heated/or fuel injection; DGI=direct gasoll ist gas recirculation / cooled EGF (2) (sufflx)=in series;	kygen sensor; HAF ne injection; GCAF R; PAIR/AIR=pulse	S/AFS=neateo/a RB=gaseous cart d/secondary air i	ir-tuel-ratio sensor (a.k.a., universal or lines buretor; IDI/DDI⇒indirect/direct diesel inject njection; SPL=smoke puff limiter; ECMPC	ion; TC/SC=turbo/ CM=engine/powertrain				
° ESS≔er (per 13 CC	ngine shutdown syste CR 1956.8(a)(6)(D); I	m (per 1 xempt =6	3 CCR 1956.8(a)(6)(exempted per 13 CCF	A)(1): 30a=30 o/hr NOx (per 13	G fuel systems; N//	x=not applicable	t combustion auxiliary power system; ALT (e.g., Otto engines and vehicles);	=alternative method				

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 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, 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 1956.8 are in parentheses.).

in g/bhp-hr	NMHC		NOx		NMHC+NOx		СО		PM		нсно	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14 (0.14)	*	*	±	*	*	14.4 (14.4)	*	0.01 (0.01)	+	0.01 (0.01)	*
FEL	*	*	0.32 (0.32)	*	*	*	*	*	*		*	*
CERT	0.07 (0.09)	*	0.14 (0.27)	*	*	*	6.5 (2.0)	*	0.003 (0.001)	*	0.001 (0.002)	*
NTE	*		•			*	*		+		*	

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; 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; (Rev.: 2007-02-26)

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.

Executed at El Monte, California on this _

_ day of May 2008.

Annette Hebert, Chief

Mobile Source Operations Division