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		ENGINE FAMILY		FUEL TYPE	STANDARDS & TEST	INTENDED SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC ⁶				
YEAR	ENGINE FAMI				PROCEDURE	CLASS	DDI, TC, CAC, ECM, EGR, OC, PTOX					
2009	9NVXH0466AGC 7.6		Diesel	Diesel	MHDD	PIOX						
	ENGINE'S IDLE I NS CONTROL			ADD	ITIONAL IDLE EN	issions co	NTROL 5					
	ESS			<u> </u>	N	Ά.						
ENGINE (L		ENGINE MODELS / CODES (rated power, in hp)										
ENGINE (E)	'	GDT230S / 1151 (230), GDT225 / 1141 (225), GDT225S / 1131 (225), GDT210S / 1121 (210)										
7.6	G	GDT230S / 0012WZD (230), GDT225 / 0012WZD (225), GDT225S / 0012WZD (225), GDT210S / 0012WZD (210) e; 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=liter; hp= T CNG/LN 2 L/M/H H 3 ECS=err up catalyst; TBI=throtte	=horsepower; kw=kl IG=compressed/liquid IDD=light/medium/he nission control syste DPF=diesel particular body fuel injection;	efied nati eavy heav m; TWC late filter; SFI/MFI	r=nour; pral gas; LPG=liquel ry-duty diesel; UB=\ ry-duty diesel; UB=\ ry-duty diesel; UB=\ ry-duty diesel; ry-duty die	ied petroleum gas; E85=85% et irban bus; HDO=heavy duty Otto zing catalyst; NAC=NOx adsorpt o oxidizer; HO2S/O25=heated/o if fuel injection; DG=direct gasol st gas recirculation / cooled EGI	nanol fuel; MF≕mul o: tion catalyst; SCR- xygen sensor; HAF ine injection; GCAI R; PAIR/AIR=pulse	ti fuel a.k.a. Bl J / SCR-N=sele S/AFS=heated RB=gaseous ca d/secondary ail	F=bi fuel; DF=dual fuel; FF=flexible fuel; active catalytic reduction – urea / – ammonia; V /air-fuel-ratio sensor (a.k.a., universal or linear or riburetor; IDI/DDI=indirect/direct diesel injectior injection; SPL=smoke puff limiter; ECM/PCM al combustion auxiliary power system; ALT=al e (e.g., Otto engines and vehicles);	/U (prefix) =warr oxygen sensor); :: TC/SC=turbo/				

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 I	NMHC		NOx		NMHC+NOx		CO		PM ·		HCHO	
ın g/bhp-hr	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	*	*	*	15.5	15.5	0.01	0.01	*	*
EL T	*	*	0.85	0.85	0.9	0.9	*	*	*		*	*
CERT	0.01	0.06	0.84	0.81	0.9	0.9	0.2	0.02	0.003	0.003	*	<u> </u>
NTE	0.21		1.28		1.4		19.4		0.02		*	

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;

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: The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [diesel engines] or 13 CCR 1956.8(d) [OTTO engines] and the incorporated 40CFR 86.007-15(m)(9).

BE IT FURTHER RESOLVED: Engines with the engine code 0012WZD are conditionally certified for use in vehicles that are exempted from the ESS requirements under the amendments approved by the Board on December 12, 2008. In the event the amendments were not approved by the Office of Administrative Law, and thus not becoming effective, the manufacturer will be required to recall these engines, provide the ESS feature, and affix a new engine label bearing the ESS status.

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-004-0344 dated December 24, 2008.

Executed at El Monte, California on this

_ day of February 2009.

Annette Hebert, Chief Mobile Source Operations Division