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.

IODEL -		ENGINE	FUEL TYPE 1	STANDARDS & TEST	INTENDED SERVICE	ECS & SPECIAL FEATURES	DIAGNOSTIC			
YEAR	ENGINE FAMILY	SIZES (L)		PROCEDURE	CLASS 2	DDI, TC, CAC, ECM, EGR, OC,	EMD			
2009 9N	VXH0466AGB	7.6	Diesel	Diesel	MHDD	PTOX:				
RIMARY ENG	9 I		AI	DDITIONAL IDLE EN	issions co	NTROL 5				
ESS				N	/À.					
NGINE (L)		CDTO	ENGINE MO	DELS / CODES (ra	ted power, in	hp) T210 / GDT210 (210)				
7.6	GDT230 / GDT230 (230), GDT225 / GDT225 (225), GDT210 / GDT210 (210) GDT230 / 0012WZD (230), GDT225 / 0012WZD (225), GDT210 / 0012WZD (210)									
*				*		R 86.abc=Title 40, Code of Federal Regulation	Costion 86 abr			

ESS=engine shutdown system (per 13 CCR 1956.8(a)(6)(A)(1); 30g=30 g/hr NOx (per 13 CCR 1956.8(a)(6)(C); APS =internal combustion auxiliary power system; ALT=alternative method (per 13 CCR 1956.8(a)(6)(D); Exempt=exempted per 13 CCR 1956.8(a)(6)(B) or for CNG/LNG fuel systems; N/A=not applicable (e.g., Otto engines and vehicles);

EMD=engine manufacturer diagnostic system (13 CCR 1971); OBD=on-board diagnostic system (13 CCR 1971.1);

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.).

-	NMHC		NOx		NMHC+NOx		со		PM		нсно	
in 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	*	*
FEL	1.14	*	1.10	1.10	1.1	1.1	Ŧ	*	*	+	*	*
CERT	0.1	0.01	1.00	0.86	1.1	0.9	0.7	0.02	0.001	0.004	*	<u> </u>
NTE	0.21		1.65		1.6		19.4		0.02			<u>. </u>

afbhp-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: 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).

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-004-0343 dated December 24, 2008.

Executed at El Monte, California on this

day of February 2009.

Annette Hebert, Chief

Mobile Source Operations Division

BECS=emission control system: TWC/OC=three-way/oxidizing catalyst; NAC=NOx adsorption catalyst; SCR-U / SCR-N=selective catalytic reduction – urea / – ammonia; WU (prefix) =warm-up catalyst; DPF=diesel particulate filter; PTOX=periodic trap oxidizer; HO2S/O2S=heated/oxygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); TBI=throttle body fuel injection; SFI/MFI=sequential/multi port fuel injection; DGE-direct gasoline injection; GCARB=gaseous carburetor; IDVDDI=indirect/direct diesel injection; SFI/MFI=sequential/multi port fuel injection; OGE-direct gasoline injection; GCARB=gaseous carburetor; IDVDDI=indirect/direct diesel injection; Super charger; CAC=charge air cooler; EGR / EGR-C=exhaust gas redirculation / cooled EGR; PAIR/AIR=pulsed/secondary air injection; SPL=smoke puff limiter; ECM/PCM=engine/powertrain control module; EM=engine modification; 2 (prefix)=parallet; (2) (suffix)=in series;

ESS=engine shufdown system (net 13 CCR 1958 8/eV6/AV4); 30=20 cfts MOV (sec 43 C