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	FNGINE FAM	ENGINE FAMILY		FUEL TYPE 1	STANDARDS & TEST	INTENDED SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6				
YEAR	2.00.002.7	<u></u>	SIZES (L)		PROCEDURE	CLASS 2	DDI, TC(2), CAC, ECM, EGR,	EMD				
2009	9NVXH0641	9NVXH0641AGA 10.4		Diesel	Diesel	HHDD	OC, PTOX					
	ENGINE'S IDLE NS CONTROL			AD	DITIONAL IDLE EN	lissions co	NTROL 5					
ES	S or 30g	N/A.										
ENGINE (L)			ENGINE MO	DELS / CODES (ra	S / CODES (rated power, in hp)						
10.4		ESS: 0012WZC / GDT390 (390), GDT390 / GDT390 (390), 0012WZC / GDT370 (370), GDT370 / GDT370 (370), 0012WZC / GDT330 (330), GDT330 / GDT330 (330)										
10.4		30g: 0012WZB / GDT390 (390), 0012WZJ / GDT390 (390), 0012WZB / GDT370 (370), 0012WZJ / GDT370 (370), 0012WZB / GDT330 (330), 0012WZJ / GDT330 (330)										
L=liter; hp: CNG/LI 2 L/M/H F	=horsepower, kw=k NG=compressed/liqu HDD=light/medium/h	ilowatt; hr efied natu eavv heav	≔hour; ral gas; LPG=liquefied y-duty diesel; UB≕urb	i petroleum gas; E85=85% an bus; HDO=heavy duty O	ethanol fuel; MF=mul tto;	ti fuel a.k.a. BF	R 86.abc=Title 40, Code of Federal Regulation					
up catalyst; TBt=throitie super charge	DPF=diesel particue body fuel injection; ger; CAC=charge ai dule: EM=engina mo	ilate filter; SFI/MFI= cooler; E edification:	PTOX=periodic trap of sequential/multi port for EGR / EGR-C=exhaust 2 (prefix)=paraliel; (xidizer; HO2S/O2S=heated let injection; DGI=direct gas gas recirculation / cooled E 2) (suffix)=in series;	/oxygen sensor; HAF oline injection; GCAF GR; PAIR/AiR≃puise	S/AFS=heated/ RB=paseous ca: d/secondary air	ctive catalytic reduction – urea / – ammonia, V air-fuel-ratio sensor (a.k.a., universal or linear or buretor, IDVDDI=indirect/direct diesel injection injection; SPL=smoke puff limiter, ECM/PCM	axygen sensor), ; TC/SC=turbo/ =engine/powertrain				
ESS=er	ngine shutdown syst R 1956.8(a)(6)(D): I	em (per 13 Exempt=e	3 CCR 1956.8(a)(6)(A) xempled per 13 CCR	 30a=30 a/br NOx (per 1 	NG fuel systems; N/A	t≂not applicable	al combustion auxiliary power system; ALT=al e (e.g., Otto engines and vehicles);	Iternative 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	*	* .	*	*	1 5 .5	15.5	0.01	0.01	*	*
FEL	*	. *	1.20	1.20	1.2	1.2	*	*	*	*	*	*
CERT	0.001	0.000	1.06	0.90	· 1.1	0.9	0.03	0.01	0.001	0.003	*	*
NTE	0.21		1.80		1.8		19.4		0.02			

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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).

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-004-0333 dated December 24, 2008.

Executed at El Monte, California on this _____ day of August 2009.

Annette Hebert, Chief Mebile Source Operations Division