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 YEAR	ENGINE FAM	ILY	ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	INTENDED SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC					
2009			6.7	Diesel	PROCEDURE	CLASS ²	DDI, TC, CAC, ECM, EGR, OC, PTOX	EMD					
	ENGINE'S IDLE			A	DITIONAL IDLE EN		£						
	30g	N/A											
ENGINE (1	L)			ENGINE MC	DELS / CODES (rat	ed power, in I	hp)						
6.7	· ISB 305	ISB 305 / 1283;FR91464 (305), ISB 305 / 1265;FR91461 (305), ISB 305 / 2774;FR92400 (305), ISB 305 / 2779;FR92405 (305)											
*					*		100 (000), 100 000 / 27 70,1 1(9)	2403 (303)					
. *					*								
*													
CNG/LN L/M/H H ECS=en p catalyst; Bl=throttle uper charge ontrol mod ESS=en	IG=compressed/lique IDD=light/medium/he nission control syster DPF=diesel particul body fuel injection; er; CAC=charge air ule; EM=engine mod	avy heavy- n; TWC/O ate filter; F SFUMFI=s cooler; E0 dification; 3	al gas; LPG=liquefier duty diesel; UB=urb C=three-way/oxidizin PTOX=periodic trap o equential/multi port fi GR / EGR-C=exhaust 2 (prefix)=parallel; (; CCR 1956 8(a)(6)(a)	of petroleum gas; E85=85% an bus; HDO=heavy duty O g catalyst; NAC=NOx adsortidizer; HOZS/O2S=heatsd. DGI=direct gas gas recirculation / cooled Et 2) [suffix)=in series; 1, 20=2,40 km of the Nox (next)	ethanol fuet; MF=multi tto; ption catalyst; SCR-U /axygen sensor; HAFS oline injection; GCARI GR; PAIR/AIR=pulsed	fuel a.k.a. BF= / SCR-N=select /AFS=heated/a 3=gaseous cart /secondary air in	R 86.abc=Title 49, Code of Federal Regulations rbi fuet; DF=dual fuel; FF=flexible fuel; tive catalytic reduction – urea / – ammonia; W irrfuel-ratio sensor (a.k.a., universal or linear o puretor; IDI/DDI=indirect/direct diesel injection, njection; SPL=smoke puff limiter, ECM/PCM= tl combustion auxiliary power system; ALT=alt	/U (prefix) =warm- xygen sensor); ; TC/SC=turbo/ engine/powentrair					

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 derhonstrated 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.).

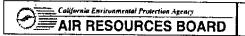
NMHC		NOx		NMHC+NOx		CO		PM		нсно	
FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO		EURO
0.14	0.14	*	*	*	•	15.5	15.5	0.01	0.01	*	*
*	*	1.97	1.97	·2.0	2.0	•	•	•	*	*	 . -
0.03	0.03	1.973	1.65	2.0	1.7	0.1	0.00	0.000	0.000	*	 -
0.21		2,46		2.5		19.4				*	
	0.14 * 0.03	FTP EURO 0.14 0.14 * * 0.03 0.03	FTP EURO FTP 0.14 0.14 * * * 1.97 0.03 0.03 1.973	FTP EURO FTP EURO 0.14 0.14 * * * * 1.97 1.97 0.03 0.03 1.973 1.65	FTP EURO FTP EURO FTP 0.14 0.14 * * * * * 1.97 1.97 •2.0 0.03 0.03 1.973 1.65 2.0	FTP EURO FTP EURO FTP EURO 0.14 0.14 * * * * * * 1.97 1.97 •2.0 2.0 0.03 0.03 1.973 1.65 2.0 1.7	FTP EURO FTP EURO FTP EURO FTP 0.14 0.14 * * * * 15.5 * * 1.97 1.97 2.0 2.0 * 0.03 0.03 1.973 1.65 2.0 1.7 0.1	FTP EURO FTP EURO FTP EURO FTP EURO 0.14 0.14 * * * * 15.5 15.5 * * 1.97 1.97 2.0 2.0 * * 0.03 0.03 1.973 1.65 2.0 1.7 0.1 0.00	FTP EURO FTP EURO FTP EURO FTP EURO FTP 0.14 0.14 * * * * 15.5 15.5 0.01 * 1.97 1.97 •2.0 2.0 * * * 0.03 0.03 1.973 1.65 2.0 1.7 0.1 0.00 0.000	FTP EURO FTP EURO FTP EURO FTP EURO FTP EURO FTP EURO 0.14 0.14 * * * * 15.5 15.5 0.01 0.01 * * 1.97 1.97 •2.0 2.0 * * * * 0.03 0.03 1.973 1.65 2.0 1.7 0.1 0.00 0.000 0.000	FTP EURO FTP EURO FTP EURO FTP EURO FTP 0.14 0.14 * * * 1.97 1.97 2.0 2.0 * * * * * 0.03 0.03 1.973 1.65 2.0 1.7 0.1 0.00 0.000 0.000 *

byhp-hregrams 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; NCx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde; (Rev.: 2007-02-25)

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: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), engines in this engine family certified under 13 CCR 1956.8(a)(6)(C) [30 g/hr NOx] and section 35.8.4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" (HDDE Test Procedures) adopted Dec. 12, 2002, as last amended Sep. 1, 2006, shall be provided with an approved "Certified Clean Idle" label that shall be affixed to the vehicle into which the engine is installed.

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 40 CFR 86.007-15(m)(9).



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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-021-0504 dated February 3, 2009.

Executed at El Monte, California on this

Annette Hebert, Chief Mobile Source Operations Division