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 FAMILY		ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6 EMD		
2012	CNVXH0928	CNVXH09280GB		Diesel	PROCEDURE Diesel	CLASS *	DDI, TC(2), CAC(2), ECM, EGR, OC(2), PTOX			
PRIMARY	'ENGINE'S IDLE									
	30g				N/	Ά.				
ENGINE (L)	ENGINE MODELS / CODES (rated power, in hp)								
15.2			A550 / A550	(550); A500HT / A500H	T (500); A500	/ A500 (500); A500MT / A500MT (500)			
L=liter; hp 1 CNG/LI 2 L/M/H I 3 ECS=e up catalyst	=horsepower; kw=k NG=compressed/liqu HDD=light/medium/h mission control syste DPF=diesel particu	ilowatt; hr iefied natu eavy heavy em; TWC/0 ilate filter;	=hour; ral gas; LPG=liquef y-duty diesel; UB=u DC=three-way/oxidiz PTOX=periodic trap	ied petroleum gas; E85=85% eth rban bus; HDO=heavy duty Otto; ting catalyst; NAC=NOx adsorptio oxidizer; HO2s/O2S=heated/ox	anol fuel; MF=multon catalyst; SCR-Lygen sensor; HAF	ti fuel a.k.a. BF J / SCR-N=seler S/AFS=heated/	R 86.abc=Title 40, Code of Federal Regulations =bi fuel; DF =dual fuel; FF =flexible fuel; ctive catalytic reduction – urea / – ammonia; W air-fuel-ratio sensor (a.k.a., universal or linear of	'U (prefix) =warm- xygen sensor);		

TBI=throttle body fuel injection; SFUMFI=sequential/multi port fuel injection; DGI=direct gasoline injection; GCARB=gaseous carburetor; IDI/DDI=indirect/direct diesel injection; TC/SC=turbo/ super charger; CAC=charge air cooler; EGR / EGR-C=exhaust gas recirculation / cooled EGR; PAIR/AIR=pulsed/secondary air injection; SPL=smoke puff limiter; ECM/PCM=engine/powertrain control module; EM=engine modification; 2 (prefix)=parallel; (2) (suffix)=in series;

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.).

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	0.20	0.20	•	*	15.5	15.5	0.01	0.01	*	*
FEL	*	*	0.50	0.50		•	*	*	*	*	*	*
CERT	0.05	0.02	0.46	0.30	•	*	0.2	0.02	0.01	0.005	*	*
NTE	0.21		0.75		•		19.4		0.02		*	

d/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: That this Executive Order is conditional upon completion of manufacturer's compliance with the averaging, banking and trading provisions of 40 CFR Part 86. That based on the manufacturer's statement of credit balance and projected production, the model year for purposes of production under this Executive Order expires on February 29, 2012. This Executive Order only covers engines produced on or before February 29, 2012. Furthermore, the manufacturer may not introduce into commerce any engine under this Executive Order unless the manufacturer has sufficient credits to cover the introduction into commerce of the engine. Failure to comply with these provisions shall be cause for the Executive Officer to rescind this certification, in which case all engines covered under this certification would be deemed uncertified and subject to civil penalties pursuant to Health and Safety Code Section 43154.

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.B.4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" adopted Dec. 12, 2002, as last amended Sep. 27, 2010, 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: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1971 (engine manufacturer diagnostic system) 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 عامuary 2012.

Annette Hebert, Chief Mobile Source Operations Division