⊘ Air Resources Board

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 FAN	IILY	ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6			
2012	CRIIE06.8BW6		6.8	LPG	Otto	CLASS THOO	TWC, SFI, 2HAFS, HO2S	N/A			
	NS CONTROL		SIZES (L)								
	N/A	N/A									
ENGINE (나)	ENGINE MODELS / CODES (rated power, in hp)									
6.8				IN0520, CRE18N0520; Step Van / CRA18R0520; Motor Home / CRA18Q0520; School Bus / CRA18B0520;							
*					*						
L=liter; hp: CNG/LN L/M/H + ECS=er up catalyst; TBI=throttle super charg control mod ESS=er (per 13 CC	=horsepower; Kw=k NG=compressed/liqu HDD=light/medium/h mission control syste ; DPF=diesel partice e body fuel injection; ger, CAC=charge ai dule; EM=engine m ngine shutdown syst R 1956.8(a)(6)(D); Il	ilowatt; hi pefied natu pavy heav pm; TWC/ ulate filter; SFI/MFI= r cooler; I pdification; em (per 13 Exempt=e	r=hour; iral gas; LPG=liquef y-duty diesel; UB=u OC=three-wayloxidi; PTOX=periodic trap; sequential/multi por EGR / EGR-C=exhat 2 (prefix)=parallel; 6 CCR 1956.8(a)(6)(xempted per 13 CCI xempted per 13 CCI	ied petroleum gas; E85=85% eth irban bus; HDO=heavy duty Otto; ting catalyst; NAC=NOx adsorption oxidizer; HO2S/O2S=heated/ox; t fuel injection; DGI=direct gasolir ust gas recirculation / cooled EGR (2) (sufflx)=in series; A)(1); 30g=30 g/hr NOx (per 13 Oxidizer)	anol fuel: MF=multi on catalyst; SCR-L ygen sensor; HAF- he injection; GCAR; PAIR/AIR=pulsec CCR 1956.8(a)(6)(C) fuel systems; N/A	i fuel a.k.a. BF I / SCR-N=select S/AFS=heated/. B=gaseous card/secondary air); APS =interni:=not applicable		WU (prefix) =warm- oxygen sensor); n; TC/SC=turbo/ l=engine/powertrain			

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	*	0.20	*	*	*	14.4	*	0.01	*	0.01	*
FEL	*	*	*	*	*	*	*	*	*	*	•	*
CERT	0.07	*	0.08	*	*	*	2.2	*	0.000	*	0.000	*
NTE	*		*		*		*		*		*	

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; (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: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 2035 et seq. (emission control warranty) and 13 CCR 1971 (engine manufacturer diagnostic).

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 31 day of October 201

Annette Hebert, Chief Mobile Source Operations Division