## **⊘** 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 FAMIL	Y ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST PROCEDURE	SERVICE 2	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 5					
2014	EFMXE06.8B		Gasoline	Otto	HDO	SFI, HO2S, TWC, 2AFS	OBD (F)					
	'ENGINE'S IDLE NS CONTROL	ADDITIONAL IDLE EMISSIONS CONTROL 4										
	N/A	N/A										
ENGINE (	L)	ENGINE MODELS / CODES (rated power, in hp)										
6.8	5.8 F450/550 Chassis Cab / DFA18N05, DFA18P05, DFA18S0M; F650 Chassis Cab / DFA18A05; Step Van / DFA18R05; Motor Home / DFA18Q05 (362 for all codes)											
*		*										
L=liter; hp: 1 CNG/LN 2 L/M/H h 3 ECS=er up catalyst; TBI=throttle super charge control mode 4 ESS=er	=horsepower; kw=k NG=compressed/liqu HDD=light/medium/h mission control syste DPF=diesel particus body fuel injection; ger; CAC=charge ali dule; EM=engine mongine shutdown syste	lowatt; hr=hour; efied natural gas; LPC eavy heavy-duty diesel m; TWC/OC=three-we late filter; PTOX=peric SFI/MFI=sequential/m cooler; EGR/EGR- dification; 2 (prefix)= em (per 13 CCR 1956.	G=liquefied petroleum gas; IB=urban būs; HDO=hea; y/oxidizing catalyst; NAC=lodic trap oxidizer; HO2S/O2 lulti port fuel injection; DGI==exhaust gas recirculation apraellel; (2) (suffix)=in series (3(a)(6)(A)(1); 30g=30 g/hr N	E85=85% ethanol fuel; MF=ma avy duty Otto; NOx adsorption catalyst, SCR S=heated/oxygen sensor; HA direct gasoline injection; GCA cooled EGR; PAIR/AIR=puls s; IOx (per 13 CCR 1956 8(a)(6))	ulti fuel a.k.a. BF -U / SCR-N=sele FS/AFS=heated/ RB=gaseous car ed/secondary air (C); APS =intern	R 86.abc=Title 40, Code of Federal Regulation in the properties of	WU (prefix) =warm- ar oxygen sensor); on; TC/SC=turbo/ M=engine/powertrain					
				for CNG/LNG fuel systems; N. / partial with fine / on-board di		(e.g., Otto engines and vehicles);	(2012-08-20)					

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the SET 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, SET and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in fieu 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	NMHC		NOx		NMHC+NOx		CO		PM		нсно	
g/bhp-hr	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET
STD	0.14	*	0.20	*	*	*	14.4	*	0.01	*	0.01	*
FEL	*	*		*	*	*	*	*	*	*	*	*
CERT	0.05	*	0.03	*	*	*	2.7	*	0.003	*	0.002	*
NTE	*				*		*		*		*	
4 g/bhp-hr=g FEL=family em		e horsepower-h									emission test ca natter; HCHO=	

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 1971.1 (on-board diagnostic, full or partial compliance), 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-010-1777 dated July 11, 2013.

Executed at El Monte, California on this

day of December 2013.

Erik White, Chief

Mobile Source Operations Division