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-14-012:

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	WODEL PAGINE FAMILY 2016 GBAFE06.8BWZ		ENGINE	FUEL TYPE 1	STANDARDS & TEST	INTENDED SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6 EMD+		
TEAR			SIZES (L)		PROCEDURE	CLASS	SFI, 2WR-HO2S, TWC, HO2S			
2016			6.8	CNG	Otto	HDO	311, 2001-11023, 1000, 11023			
	'ENGINE'S IDLE NS CONTROL	per no	salma sinnii	AI	DDITIONAL IDLE EN	IISSIONS CON	NTROL 5			
	N/A				N	/A		E 1777 E 189		
ENGINE (L)			ENGINE MO	DELS / CODES (ra	ted power, in	hp)			
6.8		V-10 / GBAF682V (238)								
L=liter; hp: 1 CNG/LN 2 L/M/H h 3 ECS=er up catalyst; HO2S=widd diesel injec ECM/PCM= 5 ESS=er	=horsepower; kw=ki NG=compressed/liqu HDD=light/medium/ht mission control syste ; DPF=diesel particu e range oxygen sens tion; TC/SC=turbol eengine/powertrain c ongine shutdown syste	ilowatt; hr efied natur eavy heavy m; TWC/0 ilate filter; sor; TBI=th super char ontrol modern (per 13	=hour; ral gas; LPG=liquefie y-duty diesel; UB=urb OC=three-way/oxidizi PTOX=periodic trap or rottle body fuel injecti ger; CAC=charge air dule; EM=engine moc CCR 1956.8(a)(6)(A)	d petroleum gas; E85=85% can bus; HDO=heavy duty C pan bus; HDO=heavy duty C pan catalyst; NAC=NOx adsoxidizer; HO25/O25=heatecon; SFI/MFI=sequential/mul cooler; EGR / EGR-C=exhatification; 2 (prefix)=parallel (1); 30g=30 g/hr NOx (per	ethanol fuel; MF=muli Otto; protion catalyst; SCR-L floxygen sensor; HAF ti port fuel injection; D aust gas recirculation / ; (2) (suffix)=in series 13 CCR 1956.8(a)(6)(C	i fuel a.k.a. BF: J / SCR-N=select S/AFS=heated/a/ Gl=direct gasolic cooled EGR; P ; AMOX: ammoo); APS =interna	R 86.abc=Title 40, Code of Federal Regulation =bi fuel; DF=dual fuel; FF=flexible fuel; ctive catalytic reduction – urea / – ammonia; Nair-fuel-ratio sensor (a.k.a., universal or linear ne injection; GCARB=gaseous carburetor; IE AIR/AIR=pulsed/secondary air injection; SPL nia oxidation catalyst. al combustion auxiliary power system; ALT=a (e.g., Otto erigines and vehicles);	NU (prefix) =warm- oxygen sensor); WR DI/DDI=indirect/direct =smoke puff limiter;		

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 heavyduty 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 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.).

EMD=engine manufacturer diagnostic system (13 CCR 1971); OBD(F)/(P)/(\$)=full/ partial/ partial with fine/ on-board diagnostic.

in g/bhp-hr	NMHC		NOx		NMHC+NOx		со		PM		НСНО		
	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET	
STD	0.14	* .	0.20	*	*	*	14.4	*	0.01	*	0.01	*	
CERT	0.08	*	0.10	*	*	*	1.6	*	0.000	*	0.000	*	
NTE	*		*			*		*		*		*	

⁴ g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; SET= 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;

BE IT FURTHER RESOLVED: The manufacturer has demonstrated compliance with the Greenhouse Gas Emission Standards as specified in Title 13 CCR 1956.8 and the incorporated "California Exhaust Emission Standards and Test Procedures for 2004 and Subsequent Model Heavy Duty Diesel-Engines and Vehicles" (HDDE Test Procedures) adopted Dec. 27, 2002, as last amended Oct. 21, 2014 using the 2014 model year National Heavy-Duty Engine and Vehicle Greenhouse Gas Program as specified in Section 1036.108 of the HDDE Test Procedures. The manufacturer has submitted the required information and therefore has met the criteria necessary to receive a California Executive Order based on the Environmental Protection Agency's Certificate of Conformity for the above listed engine family.

	EPA CERTIFICAT	E OF CONFORMITY	PRIMARY INTENDED SERVICE CLASS VOCATIONAL			
	GBAFE06	5.8BWZ-001				
In		CO ₂	CH	N ₂ O		
g/bhp-hr	FTP	SET	Cn ₄			
STD	*	*	*	*		
-CL	*	*	*	*		
FEL	*	*	. *	*		
CERT	*	*	*	*		

4 g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; SET=Supplemental emissions testing; STD = standard or emission test cap; FEL=family emission limit; FCL=family certification level; CERT=certification level; CO₂=carbon dioxide; CH₄=methane; N₂O=nitrous oxide; VOCATIONAL=vocational engine; TRACTOR=tractor engine

@ Air Resources Board

BE IT FURTHER RESOLVED: The manufacturer has demonstrated compliance with the Greenhouse Gas Emission Standards as specified in Title 13 CCR 1956.8 and incorporate "California Exhaust Emission Standards and Test Procedures for 2004 and Subsequent Model Heavy Duty Otto Cycle Engines and Vehicles" (HDOE Test Procedures) adopted Dec. 27, 2000, as last amended Oct. 21, 2014 using the Interim Provisions as specified in Section 1036.150(d) of the HDOE Test Procedures.

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), 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 March 2016.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division