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 YEAR	ENGINE FAMILY		ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST PROCEDURE Otto	SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6		
TEAK						CLASS 2	ECM, TWC, SFI, 2HO2S(2)	EMD+		
2017	HPSIE08.8CNG		8.8			HDO	ECIVI, 1VVC, SFI, 2HO25(2)	EIVIDT		
	ENGINE'S IDLE			Al	DDITIONAL IDLE EN	IISSIONS CON	TROL 5			
	N/A				N	/A				
ENGINE (I	L)			ENGINE MO	DELS / CODES (ra	ted power, in h	(p)			
8.8		8.8L 235 CNG / Single Fuel CNG 235 (235)								
L=liter, hp= CNG/LN L/M/H H ECS=en up catalyst; TBI=throttle super charge	=horsepower; kw=k NG=compressed/liqu IDD=light/medium/h nission control syste DPF=diesel particus e body fuel injection; per; CAC=charge ai dule; EM=engine mo	illowatt; hi lefied nature eavy heav em; TWC/ late filter, SFI/MFI= r cooler, I ddification;	r=hour; rral gas; LPG=liquefie yo-duty diesel; UB=urb OC=three-way/oxidizir PTOX=periodic trap c sequential/mult! port f EGR / EGR-C=exhause 2 (prefix)=parallel; (d petroleum gas; E85=85% an bus; HDO=heavy duty 0 g catalyst; NAC=NOx adsoxidizer, HO2S/O2S=heated tel injection; DGI=direct gas gas recirculation / cooled E2) (suffix)=in series;	ethanol fuel; MF=mul Otto; orption catalyst; SCR-t d/oxygen sensor, HAF soline injection; GCAR CGR, PAIR/AIR=pulse	ti fuel a.k.a. BF= J / SCR-N=select S/AFS=heated/ar tB=gaseous carb d/secondary air ir	86.abc=Title 40, Code of Federal Regulation in the property of	WU (prefix) =warm- r oxygen sensor), or, TC/SC=turbo/ M≍engine/powertrain		
							combustion auxiliary power system; ALT= (e.g., Otto engines and vehicles);	alternative method		

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.).

EMD+=engine manufacturer diagnostic system (13 CCR 1971.1); OBD=on-board diagnostic system (13 CCR 1971.1);

FCL=family certification level; CERT=certification level; CO2=carbon dioxide; CH4=methane; N2O=nitrous oxide;

in g/bhp-hr	NMHC		NOx		NMHC+NOx		co		PM		нсно	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	*	0.20	*	*	100	14.4	*	0.01		0.01	
FEL	*	*	*	*		*		*	*	*	*	
CERT	0.06	*	0.13	*	*	*	5.4	*	0.000	1.8	0.001	1.00
NTE		*		*		*		*		R		*

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: 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 Otto Cycle Engines and Vehicles" (HDOE Test Procedures) adopted Dec. 27, 2000, 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 HDOE 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 CERTIFICATI	OF CONFORMITY	PRIMARY INTENDED SERVICE CLASS VOCATIONAL			
	HPSIE08	8CNG-004				
ln .	C	02	011	N ₂ O		
g/bhp-hr	FTP	SET	CH ₄			
STD	•	*				
FCL	*					
FEL	. *					
CERT	*					

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 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.

VOCATIONAL=vocational engine;

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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), 13 CCR 1971.1 (on-board 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 January 2017.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division