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	FUEL TYPE 1	STANDARDS & TEST PROCEDURE	SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6		
			SIZES (L)			CLASS 2	TBI, TC, CAC, ECM, EGR, TWC.			
2017	HCEXH0408	3BA	6.7	CNG/LNG	Diesel	MHDD	HO2S	EMD+		
	NS CONTROL			A	DDITIONAL IDLE EN	ISSIONS CO	NTROL 5			
	N/A				N	/A				
ENGINE (L)	ENGINE MODELS / CODES (rated power, in hp)									
6.7	ISB G 260 / 4290;FR94406 (260), ISB G 240 / 4290;FR94407 (240), ISB G 220 / 4290;FR94408 (220), ISB G 200 / 4290;FR94409 (200									
L=liter, hp CNG/LI L/M/H F ECS=er up catalyst TBI=throttle super charge	=horsepower, kw=kil NG=compressed/lique HDD=light/medium/he mission control syster DPF=diesel particul e body fuel injection; ger, CAC=charge air	owatt, hr efied natur avy heavy n; TWC/0 ate filter, SFI/MFI=: cooler; E	=hour, ral gas; LPG=liquefie y-duty diesel; UB=urb DC=three-way/oxidizin PTOX=periodic trap o sequential/multi port fi	d petroleum gas; E85=85% an bus; HDO=heavy duty 0 g catalyst; NAC=NOx adso xidizer; HO2S/O2S=heate el injection; DGI=direct ga gas recirculation / cooled E	ethanol fuel; MF=mult Otto; protion catalyst; SCR-L d/oxygen sensor; HAF; soline injection; GCAR	i fuel a.k.a. BF I / SCR-N=sele S/AFS=heated/ B=gaseous ca	R 86.abc=Title 40, Code of Federal Regulations F=bi fuel; DF=dual fuel; FF=flexible fuel; ctive catalytic reduction – urea / – ammonia; W fair-fuel-ratio sensor (a.k.a., universal or linear o rburetor; IDI/DDI=indirect/direct diesel injection; injection; SPL=smoke puff limiter; ECM/PCM=	/U (prefix) =warm- xygen sensor); . TC/SC=turbo/		

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)(D); 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);

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 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	NMHC		NOx		NMHC+NOx		CO		PM		HCHO	
g/bhp-hr	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET
STD	0.14	0.14	0.10	0.10	T.t.		15.5	15.5	0.01	0.01	n. s. 🗲 4	
CERT	0.01	0.004	0.08	0.001		100	3.0	1.9	0.000	0.000		+
NTE	0.	21	0	.15		•	15	3.4	0.	.02		

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: That the listed engine family is certified to the Optional Low NOx Emission Standards as specified in 13 CCR 1956.8(a)(2)(A) and section 11.B.7 of the incorporated "California Exhaust Emission Standards and Test Procedures for 2004 and Subsequent Model Heavy Duty Diesel-Engines and Vehicles" adopted Dec. 12, 2002, as last amended Oct. 21, 2014.

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. 12, 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			
	HCEXH04	08BBA-002	VOCATIONAL			
in .		01	OU	N ₂ O		
g/bhp-hr	FTP	SET	CH ₄			
STD	576	*	0.10	0.10		
FCL	555		*	*		
FEL	572		0.90	*		
CERT	485	*	0.25	0.03		

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; CH₂=methane; N₂O=nitrous oxide; VOCATIONAL=vocational engine; TRACTOR=tractor engine

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BE IT FURTHER RESOLVED: That the listed engine family is certified to the Alternate Phase-in CO₂ Emission Standards as specified in 13 CCR 1956.8 and section 40 CFR 1036.150 (e) as incorporated in the "California Exhaust Emission Standards and Test Procedures for 2004 and Subsequent Model Heavy Duty Diesel-Engines and Vehicles" adopted Dec. 12, 2002, as last amended Oct. 21, 2014.

BE IT FURTHER RESOLVED: Certification to the FEL(s) / FCL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) / FCL(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 (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.

This Executive Order hereby supersedes Executive Order A-021-0650-1 dated June 14, 2016.

Executed at El Monte, California on this

_ day of July 2016.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division