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.

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MODEL ENGINE FAMILY		ILY	ENGINE SIZES (L)	FUEL TYPE ¹	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS 2	ECS & SPECIAL FEATURES ³			
2017	HCRXE06.45Y0		6.4	Gasoline	Otto	HDO	TWC, HO2S, EGR, EGRC, SFI			
	Y ENGINE'S IDLE ONS CONTROL 4			ADD	ITIONAL IDLE EI	MISSIONS CO	NTROL ⁴	1		
N/A			N/A							
ENGINE (L)			ENGINE MOD	ELS / CODES (ra	ted power, in	hp)	* * * * * * * * * * * * * * * * * * *		
6.4			ES	SB / AA300, AA350, AA40	0, AA450, AA60	0, AA650 (37	3.9 for all codes)			
L=liter; hp CNG/L L/M/H I ECS=e up catalyst	≔horsepower; kw=k NG=compressed/liqu HDD=light/medium/h mission control syste ; DPF=dlesel particu	llowatt; hr= efied natura eavy heavy- m; TWC/O llate filter; P	hour; al gas; LPG=liquefied duty diesel; UB=urb C=three-way/oxidizin PTOX=periodic trap o	d petroleum gas; E85=85% etl an bus; HDO=heavy duty Otto g catalyst; NAC=NOx adsorpt xidizer; HO2S/O2S=heated/o;	nanol fuel; MF=mul o; ion catalyst; SCR-l kygen sensor; HAF	ti fuel a.k.a. BF J / SCR-N=selec S/AFS=heated/	R 86.abc=Title 40, Code of Federal Regulation =bi fuel; DF=dual fuel; FF=flexible fuel; ctive catalytic reduction – urea / – ammonia; W alr-fuel-ratio sensor (a.k.a., universal or linear o	/U (prefix) =warm- oxygen sensor):		
super char	ger; CAC=charge al	cooler; EG	equential/multi port fu BR / EGRC=exhaust (2 (prefix)=parallel; (2	gas recirculation / EGR cooler;	ne injection; GCAF PAIR/AIR=pulsed	RB=gaseous car /secondary air ir	buretor; IDI/DDI=indirect/direct diesel injection njection; SPL=smoke puff limiter; ECM/PCM=	; TC/SC=turbo/ engine/powertrain		
4 ESS=e	ngine shuldown syst	em (per 13 (CCR 1956.8(a)(6)(A)((1); 30g=30 g/hr NOx (per 13	CCR 1956.8(a)(6)(0 G fuel systems; N/A	c); APS =interna A=not applicable	al combustion auxiliary power system; ALT=al (e.g., Otto engines and vehicles);	ternative method		
° EMD≃	engine manufacturer	diagnostic s	system; OBD(F) / (P) / (\$)=full / partial / partial with	fine / on-board dia	gnostic;		(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 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		co		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	*
FEL	*	*	*	*	*	*	*	*	*	*	*	*
CERT	0.08	*	0.12	*	*	*	6.5	*	*	*	0.001	*
NTE	,	k		*		*	,	*		*	7	*
4 ,, ,	1 1			Level Tool Door	. days OFT (O		ACTION AND ALL				

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 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				
	HCRXE06	6,45Y0-001	*				
ln	C	O ₂	CI I	N₂O			
g/bhp-hr	FTP	SET	CH₄				
STD	*	*	*	*			
FCL	999	*	*	.*			
FEL	1029	*	*	*			
CERT	*	*	*	*			

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

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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 40 CFR 1037.104 as specified in Section 1036.100 of the HDOE Test Procedures.

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 1971.1 (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.

Executed at El Monte. California on this

day of August 2016

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division