Pursuant to the authority vested in California 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-19-095;

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.

YEAR	ENGINE FAMILY	ENGINE	FUEL TYPE 1	STANDARDS & TEST	INTENDED	ECS & SPECIAL FEATURES 3	DIAGNOSTIC ⁶
		SIZES (L)		PROCEDURE	SERVICE CLASS	50M THIC 20028(2) SEL	OPD(P)
2020	LPSIE06.0GAS	6.0	Gasoline	Otto	HDO	ECM, 100C, 20025(2), 50	OBD(F)
PRIMARY	ENGINE'S IDLE EMI	SSIONS CO	NTROL 5		ADDITIONAL	IDLE EMISSIONS CONTROL 5	
	N/A				A CONTRACTOR OF A CONTRACT OF	N/A	
ENGINE (L)			ENGINE	MODELS / CODES (rated p	power, in hp)	
6.0				50	0 / L96 (311), 55 / LC8	(311)	
* =not appli L=liter; hp	cable; GVWR=gross ve =horsepower; kw=kilowa	hicle weight ra att; hr=hour;	ling; 13 CCR xyz	Title 13, California (Code of Regulations, Section x	yz; 40 CFR 86.abc=Title 40, Code of Federal Regulater at a BE=bi fuel: DE=dual fuel: FE=flexible fuel:	ations, Section 86.abc;

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.), ⁴

	NMHC		NOx		NMHO	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	*	
CERT	0.06	*	0.12	*	*	*	6.6	*	0.003	*	0.000	*	
NTE	1					*							

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 Otto Cycle Engines and Vehicles" (HDOE Test Procedures) adopted December 27, 2000, as last amended December 19, 2018 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 CERTIFICATE	OF CONFORMITY	PRIMARY INTENDED SERVICE CLASS				
	LPSIE06.	0GAS-003	Voca	tional			
In	C	02	CH	NO			
g/bhp-hr	FTP	SET	CT4	N2O			
STD	627	*	0.10	0.10			
FCL	696	*	*	*			
FEL	717	*	*	+			
CERT	696	*	0.03	0.03			

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

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 _

CALIFORNIA

KL.

day of January 2020.

Allen Loons, Chief

Emissions Certification and Compliance Division

Engine Model Summary Template

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: m/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels onlv)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torqu	9.Emission Control
LPSIE06.0GAS	L96	50	311 @ 4900			353 @ 4150			ECM, TWC, 2HOS2(2), SFI
LPSIE06.0GAS	LC8	55	311 @ 4900			353 @ 4150			ECM, TWC, 2HOS2(2), SFI