

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.

MODEL YEAR	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	INTENDED SERVICE CLASS 2	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6			
2323	on the second of	SIZES (C)	ine	PROCEDURE	SERVICE CLASS	TWO LIGHT OF THE LIGHT				
2020	2020 LRIIE06.8BWL		LPG	Otto	HDO	TWC, HO2S, SFI, 2WR-HO2S	OBD(F)			
PRIMARY	ENGINE'S IDLE EMIS	SSIONS CO	NTROL 5		ADDITIONAL	IDLE EMISSIONS CONTROL 5				
	N/A			N/A						
ENGINE ((L) ENGINE MODELS / CODES (rated power, in hp)									
6.8		Blue Bird Vision School Bus / LLF618BR5; LLF618FR5 (320 all codes)								
L=liter, hp: 1 CNG/Lt 2 L/M/H h 3 ECS=er catalyst; D WR-H02S= IDI/DDI=inc SPL=smok 5 ESS=er (per 13 CC)	=horsepower; kw=kllow: MG=compressed/liquefiei MD=light/medium/heavy mission control system; PF=diesel particulate filts wide range oxygen sen lirect/direct diesel injection e puff limiter; ECM/PCM ngine shutdown system (R 1956.8(a)(6)(D); Exer	alt; hr=hour; d natural gas; heavy-duty of TWC/OC=thre er; PTOX=pe sor; TBI=throt on; TC/SC=tu =engine/pow per 13 CCR 1 npt=exempte	LPG=liquefied per diesel; UB=urban be ee-way/oxidizing ca riodic trap oxidizer; tle body fuel injection orbo/super charger; ertrain control mode 956.8(a)(6)(A)(1); d per 13 CCR 1956	troleum gas; E85=8! us; HDO=heavy dul talyst; NAC=NOx at HO25/025=heated or; SFI/MFI=sequen GAC=charge air co ule; EM=engine mod 30g=30 g/hr NOx (p .8(a)(6)(B) or for CN	5% ethanol fuel; MF=multi fuel; VOtto; description catalyst; SCR-U/S l/oxygen sensor; HAFS/AFS= lital/multi port fuel injection; D oler; EGR/EGR-C=exhaust fification; 2 (prefix)=parallet; er 13 CCR 1956.8(a)(6)(C); A	APS =internal combustion auxiliary power system; AL applicable (e.g., Otto engines and vehicles);	e; WU (prefix)=warm-up oxygen sensor); retor; condary air injection;			

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.).

	NMHC		NOx		NMHC+NOx		CO		PM		НСНО	
	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET
STD	0.14	*	0.05	- * -	*	*	14.4	*	0.01	*	0.01	*
CERT	0.05	*	0.01	*	*	- 5	5.0	*	0.002	*	0.01	*
NTE		*				*				LITTI		*

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: That the listed engine family is certified to the Optional Low NOx Emission Standards as specified in 13 CCR 1956.8(c)(1)(B) and section 10. B. 1. of the incorporated "California Exhaust Emission Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Otto-Cycle Engines and Vehicles" adopted December 27, 2000, as last amended December 19, 2018.

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.

ROUSH INDUSTRIES, INC.

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	EPA CERTIFICAT	E OF CONFORMITY	PRIMARY INTENDED SERVICE CLASS			
	LRIIE06.	8BWL-002	Vocational			
ln .	C	O ₂	CH4	N ₂ O		
g/bhp-hr	FTP	SET				
STD	627	2.0	0.10	0.10		
FCL	627	•	*	*		
FEL	646	*	0.10	0.10		
CERT	612	*	0.03	0.02		

dybhp-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 _

_ day of December 2019.

MAllen Lyons, Chief

Emissions Certification and Compliance Division