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	ENGINE FAM	LY	ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 5				
, Low					PROCEDURE	CLASS	TWC, SFI, 2WR-HO2S, HO2S	TMD:				
2016	GRIIE06.8B	GRIIE06.8BWL 6.8		LPG	Otto	HDO	TVVC, SFI, ZVVK-HCZS, HCZS	EMD+				
	ENGINE'S IDLE											
	N/A				N	/A						
ENGINE (I	NE (L) ENGINE MODELS / CODES (rated power, in hp)											
6.8		Please see the attachment.										
L=liter, hps CNG/LN L/M/H H ECS=en up catalyst; WR-HO2S= IDI/DDI=ind SPL=smoke	Fhorsepower; kw=kil (G=compressed/lique (DD=light/medium/he hission control syster DPF=diesel particul wide range oxygen s irrect/direct diesel inje p puff limiter, ECM/P igine shutdown syste	owatt; hr fied naturally heavy heavy heavy hi, TWC/c ate filter, ensor, TE ction, TC CM=enger	=hour, ral gas, LPG=liquefie y-duty diesel, UB=urb OC=three-way/oxidizir PTOX=periodic trap o Bl=throfile body fuel in C/SC=turbo/ super cha na/powentrain control	d petroleum gas, E85=85% ban bus, HDO=heavy duty (ng catalyst, NAC=NOx adso oxidizer, HO23/O2S=heater jection, SFI/MFI=sequentia greer, CAC=charge air coole module, EM=angine modific	ethanol fuel; MF=mull Dito; profion catalyst, SCR_U Voxygen sensor HAP; Vmulti port fuel injection er, EGR /EGR-C=axhs- cation, 2 (prefix)=para cation, 2 (prefix)=para	If fuel a.k.a. BF= I/SCR-N=select S/AFS=heatedla DGI=direct gr aust gas recircul lief: (2) (suffix)	R 86.abc=Title 40, Code of Federal Regulation =bi Net, DF=dual firet, FF=flexible firet, stive catalytic reduction – urea / – ammonia, V air-fuel-ratio sensor (a.k.a., universal or finear re- scoline /injection; GCARB=gaseous carbureto lation/ cooled EGR; PAIR/AIR=pulsed/second- pin series; of combustion auxiliary power system; ALT=air	VU (prefix) =warn oxygen sensor); r, dary 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.).

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	100	42.00	*	14.4		0.01	*	0.01	
CERT	0.02	1	0.01	*	*		1.2		0,000		0.000	1.0
NTE												

g/bhp-hr=grams per brake horsepower-hour, FTP=Federal Test Procedure; SET= supplemental emissions testing; NTE=Not-to-Exceed emission limit; STD=standard or emission test cap; FEL=family emission limit; CERT=cartification level, NMHO/HC=non-methane/nydrocarbon, 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.

100	EPA CERTIFICAT	E OF CONFORMITY	PRIMARY INTENDED SERVICE CLASS				
	GRIIE06.	8BWL-001	Vocational				
(n	C	002	20	110			
g/bhp-hr	FTP	SET	CH4	N ₂ O			
STD	627		0.10	0.10			
FCL	627			1.0			
FEL	*		*				
CERT	586		0.03	0.02			

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

⊘ Air Resources Board

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 2035 et seq. (emission control warranty) and 13 CCR 1971.1 (on-board diagnostic).

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-344-0065 dated June 2, 2016.

Executed at El Monte, California on this

_ day of July 2016.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

ROUSH.

LARGE ENGINE MODEL SUMMARY

A-344-0065-1 7/25/2016

Manufacturer: Roush Industries, Inc.

EPA Engine Family: GRIIE06.8BWL

Manufacturer Family Name: GRIIE06.8BWL

2016 MODEL YEAR 6.8L-3V ENGINE 2016 MY VEHICLES

2016 MY VEHICLES				Fuel Rate	Fuel Rate	
Engine Code	Engine Model	BHP@RPM SAE Net	Torque@RPM SAE Net	mm³/stroke @ peak torque	lbs/hr @ peak torque	Emission Control Device per SAE J1930
GGF618BR5	Blue Bird Vision Bus	320 @ 3900	415 @ 3072	93.2	97,2	TWC, 2WR-HO2S, HO2S, SF
GGF61HBR5	Blue Bird Vision Bus	Same	Same	Same	Same	Same
GGF61JBR5	Blue Bird Vision Bus	Same	Same	Same	Same	Same
GGF618FR5	Blue Bird Vision Bus	Same	Same	Same	Same	Same
GGF61HFR5	Blue Bird Vision Bus	Same	Same	Same	Same	Same
GGF61JFR5	Blue Bird Vision Bus	Same	Same	Same	Same	Same
Added per CARI	3 C03					
GGF410TR5	Step Van	Same	Same	Same	Same	Same
GGF417TR5	Step Van	Same	Same	Same	Same	Same
GGF4178R5	Step Van	Same	Same	Same	Same	Same
GGF417MR5	Step Van	Same	Same	Same	Same	Same
GGF41ATR5	Step Van	Same	Same	Same	Same	Same
GGF416TR5	Step Van	Same	Same	Same	Same	Same
GGF4168R5	Step Van	Same	Same	Same	Same	Same
GGF416MR5	Step Van	Same	Same	Same	Same	Same
GGFC10AR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GGFC17AR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GGFC10KR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GGFC17KR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GGFC10PR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GGFC17PR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GGFC10RR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GGFC17RR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GGFC178R5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GGFC17MR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GGFC17HR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same

Test Group: GRIE06,8BWL Issued: January 20, 2016

Revised: June 30, 2016; July 25, 2016

> added per running change

Attachment 2/2

ROUSH ®

LARGE ENGINE MODEL SUMMARY

A-344-0065-1 7/25/2016

Manufacturer:

Roush Industries, Inc.

EPA Engine Family: GRIIE06.8BWL

Manufacturer Family Name: GRIIE06.8BWL

2016 MODEL YEAR 6.8L-3V ENGINE

2017MY VEHICLE	S ADDED PER CARB C03			Fuel Rate	Fuel Rate	
Engine Code	Engine Model	BHP@RPM SAE Net	Torque@RPM SAE Net	mm Vstroke @ peak torque	lbs/hr @ peak torque	Emission Control Device per SAE J1930
GHF410TR5	Step Van	320 @ 3900	415 @ 3072	93.2	97.2	TWC, 2WR-HO2S, HO2S, SF
GHF417TR5	Step Van	Same	Same	Same	Same	Same
GHF4178R5	Step Van	Same	Same	Same	Same	Same
GHF417MR6	Step Van	Same	Same	Same	Same	Same
GHF41ATR5	Step Van	Same	Same	Same	Same	Same
GHF416TR5	Step Van	Same	Same	Same	Same	Same
GHF4168R5	Step Van	Same	Same	Same	Same	Same
GHF416MR5	Step Van	Same	Same	Same	Same	Same
GHFC10AR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GHFC17AR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GHFC10KR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GHFC17KR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GHFC10PR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GHFC17PR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GHFC10RR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GHFC17RR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GHFC178R5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GHFC17MR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GHFC17HR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GHFC11KR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same
GHFC11PR5	F-650/750 Chassis Cab	Same	Same	Same	Same	Same

Test Group: GRIIE06.8BWL Issued: June 30, 2016 Revised: July 25, 2016

19.03.00.02

added per running change