@ Air Resources Board

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			FUEL TYPE	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 5				
2015	FNVXH05700S	9.3	Diesel	Diesel	MHDD	DDI, TC(2), ECM, EGR, DOC, PTOX, SCR-U, CAC(2)	OBD (\$)				
	Y ENGINE'S IDLE				ADDITIONAL IDL	E EMISSIONS CONTROL					
	30g					N/A.					
ENGINE ((L)	ENGINE MODELS / CODES (rated power, in hp)									
9.3		\$350 / 6151 (350); \$330H / 6141 (330); \$310 / 5141 (310); \$330 / 6131 (330); \$315 / 5151 (315); \$300 / 5131 (300); \$275 / 5111 (275) Emergency Vehicle Ratings: \$350 / M2410 (350); \$330H / M2409 (330); \$310 / M2408 (310); \$330 / M2407 (330); \$315 / M2406 (315); \$300 / M2405 (300); \$275 / M2404 (275)									
L=liter, hp 1 CNG/L 2 L/M/H I 3 ECS=e up catalyst TBI=throttl super char control mo 4 ESS=e	p=horsepower, kw=kilc NG=compressed/liquel HDD=light/medium/hee mission control system t; DPF=dlesel particular be body fuel injection; S ger, CAC=charge air r dule; EM=engine mod angine shutdown system	watt; hr=hour; led natural gas; vy heavy-duty di TWC/OC=thre le filter; PTOX=; FI/MFI=sequenti ooler; EGR / EG fication; 2 (prefi (per 13 CCR 19	LPG=liquefied pet esel; UB=urban be e-way/oxidizing ca beriodic trap oxidiz ial/multi port fuel in R-C=exhaust gas x)=parallel; (2) (si 956.8(a)(6)(A)(1);	roleum gas; E85=; us; HDO=heavy di alyst; NAC=NOx der; HO25/O25=he jection, DGI=direct recificulation / cool uffix)=in series, 30g=30 g/hr NOx (85% ethanol fuel; MF uty Otto; adsorption catalyst, S sated/oxygen sensor, it gasoline injection; G ed EGR; PAIR/AIR=p per 13 CCR 1956.8(a)	Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regemulti fuel a k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel CR-U / SCR-N=selective catalytic reduction – urea / – amm HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or CARB=gaseous carburetor, IDI/DDI=indirect/direct diesel i ulsed/secondary air injection, SPL=smoke puff limiter, ECI (6)(C); APS =internal combustion auxiliary power system; N/A=not applicable (e.g., Otto engines and vehicles);	onia; WU (prefix) =warm- linear oxygen sensor); njection; TC/SC=turbo/ M/PCM=engine/powertrain				

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO 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, EURO 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		HCHO	
	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET
STD	0.14	0.14	0.20	0.20	*	*	15.5	15.5	0.01	0.01		
CERT	0.03	0.04	0.15	0.04	*	*	2.0	0.02	0.003	0.002		*
NTE	0.21		0.30		*		19.4		0.02		*	

⁴ 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=certification level, NMHC/HC=non-methane/hydrocarbon, NOx=oxides of nitrogen, CO=carbon monoxide, PM=particulate matter, HCHO=formaldehyde.

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).

BE IT FURTHER RESOLVED: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), 30g rating engines in this engine family certified under 13 CCR 1956.8(a)(6)(C) [30 g/hr NOx] and section 35.B.4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" adopted December 12, 2002, as last amended April 18, 2013, shall be provided with an approved "Certified Clean Idle" label that shall be affixed to the vehicle into which the engine is installed.

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BE IT FURTHER RESOLVED: That the manufacturer has elected to include engine models in this engine family which are identified for "emergency vehicle use only". These "emergency vehicle use only" engines are exempt from requirements imposed pursuant to California law and the regulations adopted pursuant thereto for motor vehicle pollution control devices per California Vehicle Code Section 27156.2. The manufacturer must clearly label these engines for "emergency vehicle use only" on the engines' emission control label.

BE IT FURTHER RESOLVED: The listed engine models are conditionally certified in accordance with 13 CCR Section 1971.1(k) (deficiency and fines provisions for certification of malfunction and diagnostic system) because the heavy-duty on-board diagnostic (HD OBD) system of the listed engine models has been determined to have frothy deficiencies. The listed engine models are approved subject to the manufacturer paying a fine of \$500 per engine for the third through fortieth deficiencies in the listed engine family that is produced and delivered for sale in California. On a quarterly basis, the manufacturer shall submit to the Air Resources Board reports of the number of engines produced and delivered for sale in California and pay the full fine owed for that quarter pursuant to this conditional certification. Payment shall be made payable to the State Treasurer for deposit in the Air Pollution Control Fund no later than thirty (30) days after the end of each calendar quarter during the 2015 model-year production period. Failure to pay the quarterly fine, in full, in the time provided, may be cause for the Executive Officer to rescind this conditional certification, effective from the start of the quarter in question, in which case all engines covered under this conditional certification for that quarter and all future quarters would be deemed uncertified and subject to a civil penalty of up to \$5000 per engine pursuant to HSC Section 43154.

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 26

day of December 2014.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division