LOTANDA DES LINTENDED I

⊘ 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-02-003:

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 FAMILY		ENGINE	FUEL TYPE 1	STANDARDS & TEST	SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6				
YEAR			SIZES (L)		PROCEDURE	CLASS	ECM, OC, EGR, TC, CAC,	OBD(\$)				
2014	EHMXH07.7	EHMXH07.7JVC 7.684		Diesel	Diesel	MHDD	PTOX, SCR-U, DDI	OBD(\$)				
	ENGINE'S IDLE NS CONTROL			AI	DDITIONAL IDLE EN	IISSIONS CON	TROL ⁵					
30g				N/A								
ENGINE (L	-)	ENGINE MODELS / CODES (rated power, in hp)										
7.684		J08E-VC / VCD1 (220 hp)										
CNG/LN L/M/H H ECS=en up catalyst; TBI=throttle super charg	IDD=light/medium/he nission control syster DPF=diesel particul body fuel injection; per; CAC=charge air ule; EM=engine mod	efied natura eavy heavy- m; TWC/O ate filter; F SFI/MFI=se cooler; EC dification;	al gas; LPG=liquefier-duty diesel; UB=urb C=three-way/oxidizin PTOX=periodic trap dequential/multi port finds GR / EGR-C=exhaust 2 (prefix)=parallel; (an bus; HDO=heavy duty C g catalyst; NAC=NOx adso xidizer; HO2S/O2S=heatec lel injection; DGI=direct gar gas recirculation / cooled E (suffix)=in series;	otto; rption catalyst; SCR-L l/oxygen sensor; HAF; soline injection; GCAR	J / SCR-N=select S/AFS=heated/ai tB=gaseous carb	bi fuel; DF=dual fuel; FF=flexible fuel; ive catalytic reduction – urea / – ammonia; ir-fuel-ratio sensor (a.k.a., universal or linear uretor; IDI/DDI=indirect/direct diesel injectio njection; SPL=smoke puff limiter; ECM/PCN	oxygen sensor); on; TC/SC=turbo/				

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 heavyduty 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		со		PM		нсно	
	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	0.02	0.002	0.20	0.15	*	*	0.01	0.004	0.01	0.005	*	*
NTE	0.21		0.30		*		19.4		0.02		*	

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).

BE IT FURTHER RESOLVED: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(8), engines in this engine family certified under 13 CCR 1956.8(a)(6)(C) [30 g/hr NOx] and section 35.8.4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" (HDDE Test Procedures) adopted Dec. 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.

BE IT FURTHER RESOLVED: The listed engine models is 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 has been determined to have four deficiencies, and therefore is approved subject to the manufacturer paying a fine of \$75 per engine for the third through fourth 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 2014 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.

HINO MOTORS, LTD.

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⊘ Air Resources Board

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 2013.

Frik White

Mobile Source Operations Division