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 YEAR	ENGINE FAMILY		ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC ⁶ C, OBD(\$)			
ILAN	N. HORESTEIN	(1) 10 10 10 10 10 10 10 10 10 10 10 10 10			PROCEDURE	CLASS 2	DDI, TC, CAC, ECM, EGR, OC,				
2014	ECEXH0540LAT		8.9	Diesel	Diesel	UB	PTOX, SCR-U				
	Y ENGINE'S IDLE ONS CONTROL			AI	DDITIONAL IDLE EN	IISSIONS CO	NTROL 5	A TEAL DAY			
E	Exempt				N	/A					
ENGINE ((L)	ENGINE MODELS / CODES (rated power, in hp)									
8.9		ISL9 330 / 3665;FR93439 (310), ISL9 280 / 3665;FR93441 (285)									
*					*						
L=liter; hp CNG/LI L/M/H I ECS=ei up catalyst; TBI=throttle super charg control mod ESS=er (per 13 CC	=horsepower; kw=kilc NG=compressed/liquef HDD=light/medium/hea mission control system ; DPF=diesel particula e body fuel injection; S ger, CAC=charge air c dule; EM=engline modi ngine shutdown system R 1956.8(a)(6)(D); EX	watt; hr= ied natura vy heavy ; TWC/O te filter; I iFI/MFI=s cooler; E ification; n (per 13 empt=ex	=hour; al gas; LPG=liquefier duty diesel; UB=urb DC=three-way/oxidizin PTOX=periodic trap o sequential/multi port fic GR / EGR-C=exhaust 2 (prefix)=parallel; (: CCR 1956.8(a)(6)(A), empted per 13 CCR	d petroleum gas; E85=85% an bus; HDO=heavy duty C g catalyst; NAC=NOx adso xidizer; HO25/O2S=heatec uel injection; DGI=direct gas gas recirculation / cooled E 2) (suffix)=in series; 11); 30g=30 g/hr NOx (per '	ethanol fuel; MF=mull Dtto; rption catalyst; SCR-L I/oxygen sensor; HAF soline injection; GCAR GR; PAIR/AIR=pulse: 13 CCR 1956.8(a)(6)(C NG fuel systems; N/A	if fuel a.k.a. BF J / SCR-N=sele S/AFS=heated/ B=gaseous car J/secondary air); APS =intern =not applicable	R 86.abc=Title 40, Code of Federal Regulation =bi fuel; DF=dual fuel; FF=flexible fuel; ctive catalytic reduction – urea / – ammonia; W air-fuel-ratio sensor (a.k.a., universal or linear or bureter; DI/DDI=indirect/direct diesel injection injection; SPL=smoke puff limiter; ECM/PCM: al combustion auxiliary power system; ALT=al a (e.g., Otto engines and vehicles); agnostic;);	/U (prefix) =warm- xygen sensor); ; TC/SC=turbo/ =engine/powertrain			

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		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	*	*
FEL	*	*	*	*	*	*	*	*	*	*	*	*
CERT	0.01	0.003	0.13	0.08	*	*	0.1	0.02	0.000	0.000	*	*
NTE	0.21		0.30		*		19.4		0.02		*	

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: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(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: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), 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" (HDDE Test Procedures) adopted Dec. 12, 2002, as last amended Apr. 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: 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).

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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 eight deficiencies. The listed engine models are approved subject to the manufacturer paying a fine of \$250 per engine for the third through eighth 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.

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 January 2014.

Erik White, Chief

Mobile Source Operations Division