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 FAM	ENGINE FAMILY		FUEL TYPE 1	STANDARDS & TEST PROCEDURE	INTENDED SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6				
2008			8.9	8.9 Diesel		CLASS UB	DDI, TC, CAC, ECM, EGR, OC, PTOX	EMD				
EMISSION	ENGINE'S IDLE INS CONTROL XEMPT			AD	DITIONAL IDLE EM		NTROL ⁵					
					N	/A						
ENGINE (L	-)	ENGINE MODELS / CODES (rated power, in hp)										
8.9		ISL 330 / 0915;FR91855 (310), ISL 280 / 0915;FR92004 (285), ISL 250 / 0915;FR92005 (258)										
CNG/LNI L/M/H HI ECS=em up catalyst; TBI=ithrottle super charge control modu. ESS=eng (per 13 CCR	IG=compressed/liquidD=light/medium/he nission control system DPF=diese! particul body fuel injection; er; CAC=charge air ule; EM=engine mon gine shuldown syste k 1956.8(a)(6)(D); E	efied nature avy heavy heavy heavy heavy m; TWC/C ate filter; SFI/MFI=s cooler; E dification; m (per 13 xempt=ex	ral gas; LPG=liquefik /-duty diesel; UB=url DC=three-way/oxidizi PTOX=periodic trap sequential/multi port GR / EGR-C=exhaus 2 (prefix)=parallel; CCR 1956.8(a)(6)(A tempted per 13 CCR	nd petroleum gas: E85=85% e pan bus: HDO=heavy duty Ott ng catalyst; NAC=NOx adsorpoxidizer: HO2S/O2S=heated/cuel Injection; DGI=direct gaso t gas recirculation / cooled EG 2) (suffix)=in series; (43) 30n=30 gbr NOx (ner 13) (43) 30n=30 gbr NOx (ner 13)	thanol fuel; MF=multi o; btion catalyst; SCR-U xxygen sensor; HAFS line injection; GCARI R; PAIR/AIR=pulsed CCR 1956.8(a)(6)(C) G fuel systems; N/A	fuel a.k.a. BF= / SCR-N=select //AFS=heated/a B=gaseous cart /secondary air i	R 86.abc=Title 40, Code of Federal Regulations =bi fuel; DF=dual fuel; FF=flexible fuel; tive catalytic reduction – urea / ammonia; Wi iir-fuel-ratio sensor (a.k.a., universal or linear op puretor; IDI/DDI=indirect/direct diesel injection; njection; SPL=smoke puff limiter; ECM/PCM= i combustion auxiliary power system; ALT=alte (e.g., Otto engines and vehicles);	U (preflx) ≃warm- tygen sensor); TC/SC=turbo/ engine/powert <i>r</i> ain				

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 ponventional 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		РМ		нсно	
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	*	*	*	15.5	15.5	0.01	0.01	*	*
FEL	*	*	1.14	1.14	1.2	1.2	*	*	*	*	*	*
CERT	0.034	0.002	1.02	0.852	1.05	0.854	0.9	0.002	0.002	0.000	*	*
NTE	0.21		1.71		1.8		19.4		0.02		*	

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; NTE=Nol-lo-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; (Rev.: 2007-02-26)

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: The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [diesel engines] or 13 CCR 1956.8(d) [Otto engines] and the incorporated 40 CFR 86.007-15(m)(9).

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) 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.

This Executive Order hereby supersedes Executive Order A-021-0458-1 dated May 30, 2008.

Executed at El Monte, California on this _____22 day of August 2008.

Annette Hebert, Chief
Mobile Source Operations Division