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	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS	ECS & SPECIAL FEATURES ³ DDI, TC, CAC, ECM, EGR, OC,	IDLING EMISSIONS CONTROL						
2008	8CEXH0661MAZ	10.8	Diesel	Diesel	HHDD	PTOX	30g						
ENGINE (ц)		ENGINE MODE	LS / CODES (rate	d power, in h	(p)	<u></u>						
10.8	10.8 See attachment for engine models and ratings												
 =not applicable; GWWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc; =hiter; hp=horsepower; kw=kilowatt; hr=hour; CNG/LNG=compressed/liquefied natural gas; LPG=tiquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=flexible fuel; L/M/H HDD=tight/medium/heavy-duly diesel; UB=urban bus; HDO=heavy duly Otto; ECS=emission control system; TWC/OC=hree-way/oxidizing catalyst; NAC=NOx adsorption catalyst; SCR-U / SCR-N=selective catalytic reduction – urea / – armonia; WU (prefix) swarms) 													

ECS=emission control system: TWC/DC=three-way/oxidizing catalyst; NAC=NOx adsorption catalyst; SCR-U / SCR-N=selective catalysic reduction ~ urea / ~ ammonia; WU (prefix) =warm-up catalyst; DPF=dicese particulate filter; PTOX=penotic trap oxidizer; HO2S/O2S=heated/oxygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); super charger; CAC=charge air coater; EGR / EGR-C=exhaust gas rediculation / cooled EGR; PAIR/AIR=pulsed/secondary air injection; SPL=smoke pulf limiter; ECM/PCM=engine/powertrain control module; EM=engine modification; 2 (prefix)=parallel; (2) (suffix)=in series; ESS=engine shutdown system (per 13 CCR 1956.8(a)(6)(A)(1); 30g=30 g/hr NOx (per 13 CCR 1956.8(a)(6)(C); ALT=altemative method (per 13 CCR 1956.8(a)(6)(D); Exempt=exempted per IRev:: 2007-12-20)

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-tueled 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	NN	IHC	h	IOx 🖉	NMH	C+NOx	C	:0	Р	M	НСНО		
	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	
STD	0.5	0.5	*	.*	*	*	15.5	15.5	0.01	0.01	*	*	
EL	*	*			2.5	2.5	*	*	*	*	*	÷	
CERT	0.01 0.01		* (2.3	2.2	0.01	0.00	0.003	0.001	*	+	
ITE	0	.6		•	3.1		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=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 Sep. 1, 2006, 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) and 13 CCR 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: The listed engine models are conditionally certified pending submission of additional information to justify the auxiliary emission control device (AECD) used for engine protection. The manufacturer must demonstrate that the use of the AECD is the minimum strategy necessary for engine protection. The manufacturer has until March 31, 2008 to resolve concerns on this conditional certification. This Executive Order is effective through March 31, 2008; engines produced after the aforementioned effective date are deemed uncertified

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 2008.

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	ATTACHMENT																A	-0	21	-c	4					
8.Fuel Rate: 9.Emission Control (bs/hr)@peak torque_Device Per SAE J1930	DOI RTOX, PCM,	TC Prox, PCM.	CAS PTOX, POM,	EGR PTDX, PCM,	EOM PTOX, PCM.	OC PTOX, PCM,	PRK PTOX, PCM,	PTON PCM,	V PTOX/PCM.	W PTOX, PCM,	PUC PTOK, PCM,	PTOX, PCM,	РТФХ, РСМ,	РТФХ, РСМ,	РТРХ, РСМ,	PTOX, PCM,	РТОХ, РСМ,	PTOX, PCM,	РТОХ, РСМ,	PTOX, PCM,	ртох, РСМ,	нтох, РСМ.	РТОХ, РСМ,	HTOX, PCN,	н тох, Рсм,	
8.Fuel Rate: (lbs/hr)@peak ton	114	108	108	100	114	114	108	114	- 108	114	108	114	108	114	108	108	100	114	108	114	108	114	108	114	108	
7.Fuel Rate: mm/stroke@peak torque	282	267	267	246	282	282	267	282	267	282	267	282	267	282	267	267	246	282	267	282	267	282	267	282	267	
6.Torque @ RPM (SEA Gross)	1450@1200	1350@1200	1350@1200	1250@1200	1450@1200	1450@1200	1350@1200	1450@1200	1350@1200	1450@1200	1350@1200	1450@1200	1350@1200	1450@1200	1350@1200	1350@1200	1250@1200	1450@1200	1350@1200	1450@1200	1350@1200	1450@1200	1350@1200	1450@1200	1350@1200	
5.Fuel Rate: (Ibs/hr) @ peak HP (for diesels only)	139	139	132	132	139	139	126	139	139	126	126	139	139	139	139	132	132	139	126	139	139	126	126	139	139	
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	228	228	218	218	228	228	207	228	228	207	207	228	228	228	228	218	218	228	207	228	228	207	207	228	228	
3.BHP@RPM (SAE Gross)	385@1800	385@1800	365@1800	365@1800	385@1800	385@1800	340@1800	385@1800	385@1800	350@1800	350@1800	385@1800	385@1800	385@1800	385@1800	365@1800	365@1800	385@1800	340@1800	385@1800	385@1800	350@1800	350@1800	385@1800	385@1800	
2.Engine Model	ISM 370	ISM 370	ISM 350	ISM 350	ISM 350ST	ISM 350ST	ISM 330	ISM 385V	ISM 385V	ISM 350V	ISM 350V	ISM 385	ISM 385	ISM 370	ISM 370	ISM 350	ISM 350	ISM 350ST	ISM 330	ISM 385V	ISM 385V	ISM 350V	ISM 350V	ISM 385	ISM 385	
1.Engine Code	1531;FR20115	1531;FR20116	1531;FR20119	1531;FR20120	1531;FR20117	1531;FR20118	1531;FR20121	1531;FR20122	1531,FR20123	1531;FR20124	1531;FR20125	1531;FR20126	1531-FR20127	2729;FR20115	2729;FR20116	2729,FR20119	2729;FR20120	2729;FR20117	2729;FR20121	2729;FR20122	2729;FR20123	2729;FR20124	2729,FR20125	2729;FR20126	2729;FR20127	
Engine Family	8CEXH0661MAZ	3CEXH0661MAZ	BCEXH0661MAZ	8CEXH0661MAZ	8CEXH0661MAZ	8CEXH0661MAZ	8CEXH0661MAZ	8CEXH0661MAZ	3CEXH0661MAZ	8CEXH0661MAZ	8CEXH0661MAZ	8CEXH0661MAZ	8CEXH0661MAZ	BCEXH0661MAZ	8CEXH0661MAZ	BCEXH0661MAZ	SCEXH0661MAZ	3CEXH0661MAZ	SCEXH0661MAZ	BCEXH0661MAZ	j.	BCEXH0561MAZ	8CEXH0661MAZ	JOEXHO661MAZ	3CEXH0661MAZ	