CUMMINS INC.

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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 2008 8CEXH0408BA		IILY	ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	INTENDED SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC ⁶
		DAE		Diesel	PROCEDURE	CLASS	DDI, TC, CAC, ECM, EGR, OC,	
		DAL	6.7	Diesei	Diesel	MHDD	PTOX	
	'ENGINE'S IDLE NS CONTROL			AD	DITIONAL IDLE EN	IISSIONS ĆOI	NTROL 5	
	30g				N	/A		
ENGINE (L	L)			ENGINE MOI	DELS / CODES (ra	ed power, in	hp)	
6.7				See attachme	ent for engine m	odels and ra	itings	
*					*			•
*					*			
*					*			
CNG/LN L/M/H H ECS=en up catalyst; TBI=throttle super charg control modi	enorsepower; kwek NG=compressed/liqu IDD=light/medium/h mission control syste DPF=diesel particu b body fuel injection; per; CAC=charge ai lule; EM=engine mo	efied natu eavy heav m; TWC/ late filter; SFI/MFI= r cooler; E idification;	=nour; ral gas; LPG≕liquefie y-duty diesel; UB=urt OC=three-way/oxidizir PTOX=periodic trap o seguential/multi port fi GR / EGR-C=exhausi 2 (prefix)=parallel; (d petroleum gas; E85=85% e nan bus; HDQ=heavy duly Ott ng catalyst; NAC=NOx adsorg xidizer; HQ2S/Q2S=heated/c ust injection; DGI=direct gaso t gas recirculation / cooled EG 2) (suffix)=in series;	thanol fuel; MF=mult to; otion catalyst; SCR-U oxygen sensor; HAFS the injection; GCAR R; PAIR/AIR=pulsec	i fuel a.k.a. BF: / SCR-N=select // SCRS=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; ctive calalylic reduction – urea / ammonia; W air-fuel-ratio sensor (a.k.a., universal or linear or buretor; IDVDDI=indirect/direct diesel injection; injection; SPL=smoke puff limiter; ECM/PCM=	U (prefix) =warm- kygen sensor); TC/SC=turbo/ engine/powertrain
(per 13 CCF	K 1956.8(a)(6)(D); E	xempt=e:	CCR 1956.8(a)(6)(A) cempted per 13 CCR	1956.8(a)(6)(B) or for CNG/LN	CCR 1956.8(a)(6)(C IG fuel systems; N/A); APS =interna =not applicable	al combustion auxiliary power system; ALT=alt- (e.g., Otto engines and vehicles);	ernative method

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.).

EMD=engine manufacturer diagnostic system (13 CCR 1971); OBD=on-board diagnostic system (13 CCR 1971.1);

in g/bhp-hr	NMHC		NOx		NMHC+NOx		co		PM:		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	*	*	1.75	1.75	1.7	1.7	*	*	*	*	*	*
CERT	0.01	0.001	1.62	1.49	1.7	1.5	0.1	0.01	0.001	0.000	*	+
NTE	0.21		2.19		2.1		19.4		0.02		*	

| A 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; | (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: 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: 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).



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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-021-0474 dated April 18, 2008.

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

Raphael feorousty

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Template

Attachment A-021-0474-1

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque		9.Emission Control PeDevice Per SAE J1930
8CEXH0408BAF	3236;FR92821	ISB 260H	260@2500	112	104	620@1600	126	68	PTOX, PCM,
8CEXH0408BAF	3238;FR91657	ISB 260	260@2500	123	104	620@1600	126	68	РТОХ, РСМ,
8CEXH0438BAF	3238;FR91666	ISB 240	240@2500	115	97	620@1600	126	68	РТОХ, РСМ,
8CEXH0408BAF	3237;FR92011	ISB 260	260@2500	123	104	620@1600	126	68	РТОХ, РСМ,
SCEXH0408BAF	3237;FR92167	ISB 240	240@2500	115	97	620@1600	126	68	РТОХ, РСМ,
SCEXH0408EAF	3237;FR92021	ISB 240	240@2500	115	97	560@1600	113	61	РТОХ, РСМ,
RCEXH0408BAF	3238;FR92020	ISB 240	240@2500	115	97	560@1600	113	61	PTOX, PCM,
3CEXHC408BAF	3238;FR91656	ISB 220	220@2500	107	90	520@1600	106	57	РТОХ, РСМ,
SCEXHC408EAF	3238;FR91655	ISB 220	200@2400	103	83	520@1600	106	57	PTOX, PCM,

DDI, TC, CAC, ECM, EGR, OC, PTOX