

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 EMD				
(LAIN					PROCEDURE	CLASS *	DDI, TC, CAC, ECM, EGR, OC,					
2008	2008 8CEXH0540LAL 8.9		8.9	Diesel	Diesel	MHDD	PTOX					
	ENGINE'S IDLE NS CONTROL			ADD	ITIONAL IDLE EN	IISSIONS COI	NTROL 5					
	30g		N/A									
ENGINE (ENGINE MODELS / CODES (rated power, in hp)											
8.9	ISL 425 / 0424;FR91891 (425), ISL 400 / 0424;FR91852 (380), ISL 370 / 0424;FR92002 (370)											
*												
*		*										
* -		*										
L=liter; hp= CNG/LN L/M/H H ECS=er up catalyst; TBI=throttle super charg control mod ESS=en	-horsepower; kw=k VG=compressed/liqu #DD=light/medium/hin hission control syste DPF=diesel particus body fuel injection; ger; CAC=charge air lule; EM=engine mongine shutdown syste	efied nature efied nature eavy heavy heavy m; TWC/0 late filter; SFI/MFI= cooler; Edification; em (per 13	=hour; ral gas; LPG=liquefi y-duty diesel; UB=ur DC=three-way/oxidiz; PTOX=periodic trap sequential/multi port; 2 (prefix)=parallet; 1 CCR 1956.8(a)(6)(4)	ed petroleum gas; E85=85% eth rban bus; HDO=heavy duty Otto ing catalyst; NAC=NOx adsorpti oxidizer; HO2S/O2S=heated/ox fuel injection; DGI=direct gasoli st gas recirculation / cooled EGR (2) (suffix)=in series;	anol fuel; MF=mult; ; on catalyst; SCR-L, ygen sensor; HAF; ne injection; GCAR; ; PAIR/AIR=pulsec	i fuel a.k.a. BF / SCR-N=select //SCR-N=select //SES=heated// B=gaseous car //secondary air /; APS =interna	R 86.abc=Title 40, Code of Federal Regulations =bi fuel; DF=dual fuel; FF=flexible fuel; clive catalytic reduction urea / ammonia; W air-fuel-ratio sensor (a.k.a., universal or linear or buretor; IDV/DDI=indirect/direct diesel injection; injection; SPL=smoke puff limiter; ECM/PCM= al combustion auxiliary power system; ALT=alt	U (prefix) =warm- vygen 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 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	0.5	0.5	*	*	*	*	15.5	15.5	0.01	0.01	*	*
FEL	*	*	*	*	2.2	2.2	*	*	*	*	*	* *
CERT	0.00	0.00	•	*	1.57	1.56	0.6	0.0	0.001	0.000	*	* -
NTE	0.6		*		2.8		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=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.

CUMMINS INC.

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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-021-0460 dated January 18, 2008.

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

Rephart Suspoints

for Annette Hebert, Chief
Mobile Source Operations Division