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	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE ¹	STANDARDS & TEST	INTENDED SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6				
IEAN		382E3 (L)		PROCEDURE	CLASS *	DDI, TC, CAC, ECM, EGR, OC,	EMD				
2009	9CEXH0505CAA	8.3	Diesel	Diesel	MHDD	PTOX					
	rengine's IDLE NS CONTROL	ADDITIONAL IDLE EMISSIONS CONTROL 5									
30g		N/A									
ENGINE (L)	ENGINE MODELS / CODES (rated power, in hp)									
8.3			See attachmen	t for engine m	odels and ra	atings					
*											
•				. *							
•				*							
*=not applicable; GVWR=gross vehicle weight rating; 13 CCR xyz=Titte 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc; L=iter; ho=horsepower; kw=kilowait; hr=hour;											

CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a. BF=bi fuel; DF=dual fuel; FF=fiexible fuel;

L/M/H HDD=light/medium/heavy heavy-duty diesel; UB=urban bus; HDO=heavy duty Otto;

ECS=emission control system; TWC/OC=three-way/oxidizing catalyst; NAC=Nox adsorption catalyst; SCR-U / SCR-N=selective catalytic reduction – urea / – ammonia; WU (praftx) =warmup catalyst; DPF=dlesel particulate filter; PTOX=periodic trap oxidizer; HO2S/O2S=heated/oxygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a., universal or linear oxygen sensor); TBI=throttle body fuel injection; SFIMF=sequential/multi port fuel injection; DGF=direct pasoline injection; GCARB=gaseous carburetor; IDI/DI=indirect/direct diesel injection; TC/SC=turbo/ super charger; CAC=charge eir cooler; EGR / EGR-C=exhaust gas recirculation / cooled EGR; PAIR/AIR=pulsed/secondary air injection; SPL=smoke puff limiter; ECM/PCM=engine/powertrain control module; EM=engine modification; 2 (praftx)=parallet; (2) (sufftx)=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); APS =Internal combustion auxiliary power system; ALT=alternative method (per 13 CCR 1956.8(a)(6)(D); Exempt=exempted per 13 CCR 1956.8(a)(6)(B) or for CNG/LNG fuel systems; N/A=not applicable (e.g., Otto engines and vehicles); EMD=engine manufacturer diagnostic system (13 CCR 1971); OBD=on-board diagnostic system (13 CCR 1971.1);

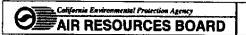
Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding 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.).

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		*	1.25	1.25	1.2	1.2	*	+	•	•	*	*
CERT	0.01	0.000	1.05	0.84	1.0	0.8	1.0	0.00	0.002	0.000	*	* .
NTE	0.	21	1.	88	1	.8	11	9.4	O.	02		*

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro Itl European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions ting; 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 nitroge 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: 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.

Executed at El Monte, California on this

_ day of February 2009.

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Template

Altachment: A-021-0500 Page 1 of 1

4 Fanina Cada	2 Engine Model	3.BHP@RPM	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	8.Fuel Rate: (lbs/hr)@peak torqu	9.Emission Control aeDevice Per SAE J1930
				136	1050@1400	211	99.5	RTOX, PCM,
8786;FR91902	ISC 360/PX8	350@2200	W			100	70	PTOX, PCM,
8786;FR92007	ISC 300/PX8	285@2200	156	116	860@1300			
8786:FR91771	ISC 285/PX8	275@2200	151	112	800@1300	167	73	PTOX, PCM,
Han 1995 to 1 market and the second s	ISC 260/PX8	250@2200	140	104	800@1300	167	73	PTOX, PGM,
			143	106	660@1300	137	60	PTOX, PCM,
8/86;FH91/26	Printer 1971 1984 1984 1984 1984 1984 1984 1984 1984 1984 1984 1984 1984 1984 1				660@1300	137	60	PTOX,/PCM,
8786;FR91903	ISC 240/PX8	240@2200	135					PTOX, PCM,
3153FR92633	ISC 360/PX8	350@2200	183	136	1050@1400	211		
3153:FR9636	ISC 300/PX8	285@2200	156	116	860@1300	180	79	PTOX PCM,
upper covers the second	ISC 285/PX8	275@2200	151	112	800@1300	167	73	PTØX,\PCM,
,			140	104	800@1300	167	73	PTOX, PCM,
3153;FR92638	ISC 260/PX8	250@2200				107	en	PTOX, PCM,
3153;FR92639	ISC 260/PX8	260@2200	143	106	660@1300			
3153;FR92640	ISC 240/PX8	240@2200	135	100	660@1300	137	60 /	PTOX, PCM,
	8786;FR91771 8786;FR92008 8786;FR91726 8786;FR91903 3153;FR92633 3153;FR9636 3153;FR92637 3153;FR92638 3153;FR92639	8786;FR91902 ISC 360/PX8 8786;FR92007 ISC 300/PX8 8786;FR91771 ISC 285/PX8 8786;FR92008 ISC 260/PX8 8786;FR91726 ISC 260/PX8 8786;FR91726 ISC 260/PX8 3153;FR92633 ISC 360/PX8 3153;FR92636 ISC 300/PX8 3153;FR92637 ISC 285/PX8 3153;FR92638 ISC 260/PX8 3153;FR92639 ISC 260/PX8	1.Engine Code 2.Engine Model (SAE Gross) 8786;FR91902 ISC 360/PX8 350@2200 8786;FR92007 ISC 300/PX8 285@2200 8786;FR91771 ISC 285/PX8 275@2200 8786;FR92008 ISC 260/PX8 250@2200 8786;FR91726 ISC 260/PX8 260@2200 8786;FR91903 ISC 240/PX8 240@2200 3153;FR92633 ISC 360/PX8 350@2200 3153;FR9636 ISC 300/PX8 285@2200 3153;FR92637 ISC 285/PX8 275@2200 3153;FR92638 ISC 260/PX8 250@2200 3153;FR92639 ISC 260/PX8 260@2200	1.Engine Code 2.Engine Model (SAE Gross) mm/stroke @ peak HP (for diesel only) 8786;FR91902 ISC 360/PX8 350@2200 183 8786;FR92007 ISC 300/PX8 285@2200 156 8786;FR91771 ISC 285/PX8 275@2200 151 8786;FR92008 ISC 260/PX8 250@2200 140 8786;FR91726 ISC 260/PX8 260@2200 143 8786;FR91903 ISC 240/PX8 240@2200 135 3153;FR92633 ISC 360/PX8 350@2200 183 3153;FR9636 ISC 300/PX8 285@2200 156 3153;FR92637 ISC 285/PX8 275@2200 151 3153;FR92638 ISC 260/PX8 250@2200 140 3153;FR92639 ISC 260/PX8 250@2200 140	1.Engine Code 2.Engine Model 3.BHP@RPM (sAE Gross) mm/stroke @ peak HP (for diesel only) (lbs/hr) @ peak HP (for diesel only) 8786;FR91902 ISC 360/PX8 350@2200 183 136 8786;FR92007 ISC 300/PX8 285@2200 156 116 8786;FR91771 ISC 285/PX8 275@2200 151 112 8786;FR92008 ISC 260/PX8 250@2200 140 104 8786;FR91726 ISC 260/PX8 260@2200 143 106 8786;FR91903 ISC 240/PX8 240@2200 135 100 3153;FR92633 ISC 360/PX8 350@2200 183 136 3153;FR9636 ISC 300/PX8 285@2200 156 116 3153;FR92637 ISC 285/PX8 275@2200 151 112 3153;FR92638 ISC 260/PX8 250@2200 140 104 3153;FR92639 ISC 260/PX8 260@2200 143 106	1.Engine Code 2.Engine Model 3.BHP@RPM (SAE Gross) mm/stroke @ peak HP (for diesels only) (bs/hr) @ peak HP (for diesels only) 6.Torque @ RPM (SEA Gross) 8786;FR91902 ISC 360/PX8 350@2200 183 136 1050@1400 8786;FR92007 ISC 300/PX8 285@2200 156 116 860@1300 8786;FR91771 ISC 285/PX8 275@2200 151 112 800@1300 8786;FR92008 ISC 260/PX8 250@2200 140 104 800@1300 8786;FR91726 ISC 260/PX8 260@2200 143 106 660@1300 8786;FR91903 ISC 240/PX8 240@2200 135 100 660@1300 3153;FR92633 ISC 360/PX8 350@2200 183 136 1050@1400 3153;FR92637 ISC 285/PX8 275@2200 156 116 860@1300 3153;FR92638 ISC 260/PX8 250@2200 140 104 800@1300 3153;FR92639 ISC 260/PX8 250@2200 143 106 660@1300 3153;FR92639	1.Engine Code 2.Engine Model 3.BHP@RPM (SAE Gross) 2.Engine Model (SAE Gross) (for diesel only) (for diesels only) (SEA Gross)	1.Engine Code 2.Engine Model (SAE Gross)

(PX8 = PACCAR model)

DAT, TC, CAC, ECM, EGR, OC, PTOX