		EXECUTIVE ORDER A-021-044/
Celifornia Environmental Protection Agency	CUMMINS INC.	New On-Road Heavy-Duty Engines
AIR RESOURCES BOARD		

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.

_				STANDARDS	INTENDED	
MODEL	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE		SERVICE CLASS ²	ECS & SPECIAL FEATURES 3
YEAR		01200 (-)				DDI, TC, CAC, ECM, EGR, PTOX, OC
	7CEXH0505CAZ	8.3	Diesel	Diesel	MHDD	DDI, TC, CAC, ECHI, ECK, TTCA, CC
2007	7GEXH0303CA2	0.0	ENGINE M	DDELS / CODES (rated nower.	in hp)
ENGINE (L)		ENGINE M	JDELS / GODEG	These postery	
			ISC 330 / 2085;FR	91723 (320), ISC	315/2085;F	R92006 (320)
8.3				*		
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				*		
				*		
*	i l					D 85 abort title 40. Code of Federal Regulations, Section 86.abc;
• ≕not app	licable; GVWR=gross vehic	cle weight rating; 13	CCR xyz=Title 13, California Code	e of Regulations, Sec	tion xyz; 40 CF	R 86.abc=Title 40, Code of Federal Regulations, Section 86.abc;
I wildow from	-boreenower: kw=kilowatt				11 A	to fuel: DEedual fuel: EE=Sexible fuel:

CNGLNG-compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.

LINNYH FILUD=lign/medium/rieavy neavy-outy diesel; UB=urban bus; HDO=heavy duty Otto; ECS=emission control system; TWC/OC=three-way/oxidizing catalyst; WU (prefix) =warm-up catalyst; DPF=diesel 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; SF/MFI=sequential/multi port fuel injection; DGI=direct gasoline injection; GCARB=gaseous carburetor; IDI/DDI=indirect/direct diesel injection; TC/SC=turbo/super charger; CAC=charge air cools; EGR=exhaust gas recirculation; PAIR/AIR=pulsed/secondary air injection; SPL=smoke pufi limiter; ECWPCM=engine/powertrain control module; EM=engine modification; 2 (prefix)=parallel; (2) (suffix)=in series (2006DEC22)

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.1 (urban bus) or 13 CCR 1956.8 (other than urban bus); 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, in g/bhp-hr, for this engine family. "Diesel" CO, EURO and NTE certification of period. The corresponding certification levels, in g/bhp-hr, for this engine family. "Diesel" CO, EURO and NTE certification of period. The corresponding certification levels is the CERT values in brackets I have then tested on conventional test fuel. For multi-field 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 1956.1 or 13 CCR 1956.8 are in parentheses.)

				NMHC+NOx		co		PM		нсно			
	NM	HC		Ox			FTP	EURO	FTP	EURO	FTP	EURO	
	FTP	EURO.	FTP	EURO	FTP	EURO	15.5	15.5	0.01	0.01			
D	0.14	0.14	•				15.3	+	+ +			*	
-	*	*	1.44	1.44	1.4	1.4	0.1	0.00	0.001	0.000	*	•	
RT	0, 02	0.000	1.14	1.04	1.2	1.0				.02		•	
E	0.21		2.16			2.1		19.4 European Steady-State Cycle;				=standard or emission test cap;	

* g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle; NIE=NoteO=Euco-Aceeu, STE-State matter; HCHO=formaldehyde; FEL=family emission limit; CERT=certification level; NHHC/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: 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 40CFR 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 March 2007.

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Annette Hebert, Chief Mobile Source Operations Division