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	& TEST PROCEDURE	SERVICE CLASS	ECS & SPECIAL FEATURES				
200B	8CEXH0505CAA	8.3	Diesel	Diesel	MHDD	PTOX	30g			
ENGINE (L)		ENGINE MODEL	S/CODES (rate	d power, in h	p)				
8.3		See attachment for engine models and ratings								
L=liter; hp CNG/LI CNG/LI CNG/LI CNG/LI CNG/LI CONTOL CONT	cable; GVWR-gross vehicle v =horsepower; kw=kilowatt; h vG=compressed/liquefied natu IDD=light/madium/heavy heav mission control system; TWC// DPF=dicesel particulate filter; b body fuel injection; SFUMPI= gar; CAC=charge air cooler; I ule; EM=engine modification; ogine shutdown system (per 1 56.8(a)(6)(8) or for CNG/LNG 7-12-20)	weight rating; 13 CC rehour; ral gas; LPG=liquef y-duty diesel; UB=u OC=three-way/oxidi: PTOX=periodic targ rsequential/multi por EGR / EGR-C=exhat 3 (CR 1956.8(a)(6)), fuel systems; N/A=r	R xyz=Title 13, California Code of F ied petroleum gas: E85=85% ethar rban bus: HDO=heavy duty Otto; ibig catalyst; NAC=NOx adsorption poidizer; HO25/025=heated/avg/ fuel injection; DGI=direct gasoline ist gas recirculation / cooled EGR; (2) [suffix)=in series; A)(1); 30g=30 g/hr NOx (per 13 CC not applicable (e.g., Otto engines an	Regulations, Section and fuel; MF=multi f a catalyst; SCR-U / an sensor; HAFS/ trijection; GCARB PAIR/AIR=pulsed/s R 1956.8(a)(6)(C); id vehicles);	n xyz; 40 CFR : uela.k.a. BF=t SCR-N=selecti AFS=heated/air gaseous carbu secondary air in ALT=altemativ	86.abc=Title 40, Code of Federal Regulations, S bi fuel; DF=duai fuel; FF=flexible fuel; ve catalytic reduction – urea / – ammonia; WU (-fuel-ratio sensor (a.k.a., universal or linear oxy uretor; IDVDDI=indirect/direct diesel injection; T jection; SPL=smoke putf limiter; ECM/PCM=en ve method (per 13.CCR 1956.8(a)(6)(D); Exemp	ection 86.abc; preflx) ≃warm- en sensor); C/SC=turbo/ gine/powertrain it=exempted per			
Followi 2) the I	ng are: 1) the FTP EURO and NTE lin	exhaust em nits under the	ission standards, or fi e applicable California t Procedures): and 31	amily emiss a exhaust en	tion limit(s mission s	s) as applicable, under 13 CCI tandards and test procedures ertification levels, for this end	R 1956.8; for heavy-			

2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavyduty 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	NMHC		NOx		NMHC+NOx		CO		РМ		нсно	
g/bhp-hr	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	T T		*	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	0.8	0.00	0.002	0.000	*	*
NTE	0.21		1.88		1.8		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.

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).

BE IT FURTHER RESOLVED: The listed engine models are conditionally certified pending submission of additional information to verify compliance with useful-life emission standards. 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 18⁻⁻⁻⁻⁻day of January 2008.

wonco Annette Hebert, Chief Mobile Source Operations Division

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9.Emission Control Device Per SAE J1930	PTOX, PCM.	РТЮХ, Р СМ,	РТОХ, РСМ,	PTOX PCM.	PTOX, PCM,	РТФХ, РСМ,	TC, CAC, ECM	
8.Fuel Rate: (Ibs/hr)@peak torqu	99.5	79	73 \	73	60	60 /	A B 122	
7.Fuel Rate: mm/stroke@peak toroue	211	180	167	167	137	137		
6.Torque @ RPM /SEA Grave)	1050@1400	860@1300	800@1300	800@1300	660@1300	660@1300		
5.Fuei Rate: (lbs/hr) @ peak HP (for discels notiv)	136	116	112	104	106	100		
4.Fuel Rate: mrstrote @ peak HP //// -// -// -//	(tui uiesei unij) 183	156	151	140	143	135		
3.BHP@RPM m	(SAE GROSS) 350@2200	285@2200	275@2200	250@ 2 200	260@2200	240@2200		
	z.Engine mouel ISC 360	ISC 300	ISC 285	ISC 260	ISC 260	ISC 240		
-	1.Engine Code 8786-FR91902	8786 FR92007	8786:FR91771	8786,FR92008	8786;FR91726	8786;FR91903		
:	Engine Family	RCEXHD505CAA	BCEXH0505CAA	BCEXH0505CAA	BCEXH0505CAA	BCEXH0505CAA		

Engine Model Summary Template