

Pursuant to the authority vested in the Air Resources Board (ARB) by Health and Safety Code (HSC) Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order (EO) G-02-003; and

Pursuant to the December 15, 1998 Settlement Agreement (SA) between ARB and the manufacturer, and any modifications thereof to the Settlement Agreement;

IT IS ORDERED AND RESOLVED: That 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 SIZE (liter)	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas; LPG≔liquefied petroleum gas)	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS (L/M/H HDD≕light/medium/heavy heavy-duty [HD] diesel; UB=urban bus; HDO=HD Otto)									
2004	4CEXH0661MAU	10.8	Diesel	Diesel	HHDD									
	SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		ENGINE MODELS / CODES (rated power in horsepower, hp)											
EMISSION														
PCM, E	EGR, DDI TC, CAC	SEE ATTACHMENT												
injection MF gas recircula (prefix)=para	l=multi port fuel injection tion AIR=secondary air in	SFI=sequentia jection PAIR: HC=hydrocar	ay/oxidizing catalyst WU (prefix) =warm-up cat. IMFI DDI/IDI=direct /indirect diesel injection TC rpulsed AIR SPL=smoke puff limiter ECM/PCM=t bon NMHC=non-methane HC NOx=oxides of ni sepower-hour	:/SC=turbo/super cha engine /powertrain c	rger CAC=charge air cooler EGR=exhaust									

The following are the exhaust emission standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT), in g/bhp-hr, for this engine family under the "Federal Test Procedure" (FTP) (Title 13, California Code of Regulations, (13 CCR) Section 1956.1 (urban bus) or 1956.8 (other than urban bus)), and under the "Euro III Test Procedure" (EURO) in the Settlement Agreement, including EURO's "Not-to-Exceed" standard(s). "Diesel" CO certification compliance may have been demonstrated pursuant to Code of Federal Regulations, Title 40, Part 86, Subpart A, Section 86.091-23(c)(2)(i) 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 Section 1956.1 or 1956.8 are in parentheses.)

					EUR	O'S NTE	NMHC:	0.625	NOx: *		NMHC+	NOx: 3.0	PM: 0.125		
* = not	H	IC	N	MHC	N	Ох	NMH	C+NOx		0	ţ	PM	нсно		
applicable	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO	
(DIRECT) STD	*	*	0.5	0.5	*	*	•		15.5	15.5	0.10	0.10	*	*	
AVERAGE STD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
FEL	*	*	*	*	*	*	2.4	2.4	*	*		*	*	*	
CERT	*	*	0.2	0.1	*	*	2.0	2.1	0.8	0.4	0.10	0.08	*	*	

BE IT FURTHER RESOLVED: That 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: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR Sections 1965 (emission control labels), and 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: That the listed engine models are conditionally certified subject to the following conditions: (1) The SA is in effect; (2) The manufacturer is in compliance with all applicable certification requirements of the SA and any modifications thereof.

Engines certified under this Executive Order shall conform to all applicable California emission regulations and all requirements under the Settlement Agreement and any modifications thereof.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

This Executive Order hereby supersedes Executive Order A-021-0367-1 dated October 26, 2004.

Executed at El Monte, California on this 24/24 day of December 2004.

Replied June 1975

Allen Lyons, Chief

Mobile Source Operations Division

On-highway HDDE Cummins Inc. Engine category: Manufacturer:

EPA Engine Family. 4CEXH0661MAU Mfr Family Name: 353U Running Change Process Code:

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9.Emission Control Device Per SAE J1930	PCM, EGR, TC, C € C, DDZ	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,	PCM, EGR, TC,						
8.Fuel Rate: (lbs/hr)@peak torque	66	96	66	93	93	93	93	66	96	66	93	63	93	93	100	100	92	92	92	92	96		Marian de la companya de la company				
7.Fuel Rate: mm/stroke@peak torque	244	237	244	229	229	229	229	244	237	244	229	229	229	229	210	210	194	194	194	194	202		The state of the s				
6.Torque @ RPM (SEA Gross)	1250@1200	1200@1200	1250@1200	1150@1200	1150@1200	1150@1200	1150@1200	1250@1200	1200@1200	1250@1200	1150@1200	1150@1200	1150@1200	1150@1200	1250@1200	1250@1200	1150@1200	1150@1200	1150@1200	1150@1200	1200@1200		of the first of th				
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	131	131	121	114	114	114	114	131	131	121	114	114	114	114	136	127	120	120	120	120	139		Maria de Mar				Acceptability of the control of the
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	215	216	199	187	188	188	188	215	216	199	187	188	188	188	190	178	166	166	166	166	194		denting annual security and a securi				
3.BHP@RPM (SAE Gross)	370@1800	380@1800	340@1800	319@1800	320@1800	320@1800	320@1800	370@1800	380@1800	340@1800	319@1800	320@1800	320@1800	320@1800	370@1800	340@1800	320@1800	320@1800	320@1800	320@1800	380@1800						And the second smaller the block of the second smaller than the second smaller than the second secon
2.Engine Model	ISM 330ST	ISM 380	ISM 330	ISM 310	ISM 320V	ISM 285V	ISM 280	ISM 330ST	ISM 380	ISM 330	ISM 310	ISM 320V	ISM 285V	ISM 280	ISM 330ST	ISM 330	ISM 310	ISM 280	ISM 320V	ISM 285V	ISM 380		or and the state of the state o				Visitida de la companya de la compa
1.Engine Code	8273;FR2961	8273;FR2985	8273;FR2975	8273;FR2976	8273;FR2981	8273;FR2982	8273;FR2962	8505;FR2961	8505;FR2985	8505;FR2975	8505;FR2976	8505;FR2981	8505;FR2982	8505;FR2962	8556;FR2961	8556;FR2975	8556;FR2976	8556;FR2962	8556;FR2981	8556;FR2982	8556;FR2985		ANNALE IN THE SECOND CONTRACTOR C				***************************************