

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)			
2008	8CEXL015.AAE	15.0	Diesel	8000			
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION				
Direct Dies	sel Injection, Turbocharg Engine Control Mo	er, Charge Air Cooler, odule	Loader, Tractor and Compressor				

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED	EMISSION		EXHAUST (g/kw-hr)				O	PACITY (%	%)	
POWER CLASS	STANDARD CATEGORY		нс	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
225 ≤ kW ≤ 450	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		FEL	N/A	N/A	N/A	N/A	0.19	N/A	N/A	N/A
		CERT			3.6	0.7	0.09	16	2	23

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this ______ day of December 2007.

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Form

U-R-002-0422

Manufacturer: Cummins Inc.

Engine category: Nonroad CI

EPA Engine Family: 8CEXL015.AAE

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Mfr Family Name: G103

Process Code: New Submission

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9.Emission Control Device Per SAE J1930	"DDI,ECM,TC,CA	DDI,ECM,TC,	DDI,ECM,TO,	'DDI,ECM,TC,	"DDI,ECM,TC,	DDI,ECM,TC,	等に対して かしかさい
	lico.	, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	100,	"DO"	100.	igo.	Control of State of S
8.Fuel Rate: bs/hr)@peak torque	192.5	177	6.77	177	1	137.9	THE PARTY IS NOT THE PARTY IN
8.Fue (lbs/hr)@							A CONTRACTOR OF THE PARTY OF TH
7.Fuel Rate: nm/stroke@peak torque	408	375	377	375	375	295	
7.Fur mm/stro tol							THE REAL PROPERTY.
6.Torque @ RPM (SEA Gross)	875@1400	743@1400	743@1400	743@1400	743@1400	346@1400	The state of the state of
6.Torque (SEA	(875	1743	1743	1743	- 1743	1346	
5.Fuel Hate: bs/hr) @ peak HP (for diesels only)	212.5	208.5	3.5	86.5	8	146.6	A STATE OF THE PARTY OF THE PAR
5.Fuel Rate: (lbs/hr) @ peak (for diesels onl	7	. 20	6	8		4-	
date:) peak HP !i only)	3 3 10	4	6	7		7	
4.Fuel Ham/stroke @ (for diese)	96	发	319	8		2	The state of the s
3.BHP@RPM (SAE Gross)	600@1800	1800	0.1800	1800	500@1800	390@2000	
	A Charleton	560@1800	35X15-C 330@1800	510@1800	500 6	3906	1 年 一大大田田二十四十四十四十四十四十四十四十四十四十四十四十四十四十四十四十四十四十四十
e Model	QSX15-C	QSX15-C	15.C	QSX15-C	3SX15-C	38X15-C	
2.Engine Model	OSX		OSX	OSX		Ŭ,	
1.Engine Code	8760:FH10601	H0579	1,0666	110571	8761.FR10623	10582	では ないのできる
1.Engin	8760:FF	8761:FR10579	8761:FR10666	8761:FR10571	3761.FF	8762:FR10582	が経験が変換し