

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)
2007	7CEXL0540AAB	8.8	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Charge Air Cooler (some models), Engine Control Module			Crane, Loader, Tractor, Dozer, Pump and Compressor	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) 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 POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	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
		CERT	--	--	3.9	3.3	0.15	5	2	13

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 14 day of December 2006.



Annette Hebert, Chief
 Mobile Source Operations Division

Engine Model Summary Form

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U-R-002-0393

Manufacturer: Cummins Inc.
Engine category: Nonroad CI
EPA Engine Family: 7CEXL0540AAB
Mfr Family Name: B563
Process Code: New Submission

1. Engine Code	2. Engine Model	3. BHP @ RPM (SAE Gross)	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 torque	9. Emission Control Device Per SAE J1930
8548;FR91672	OSL	350@2100	192	135.8	1120@1500	223	113.0	"ECM, TC, CAC
8643;FR91520	OSL	350@2100	192	135.8	1120@1500	223	113.0	"ECM, TC, CAC
8641;FR91518	OSL	365@2100	192	136.1	1113@1500	202	102.2	"ECM, TC, CAC
8641;FR91679	OSL	340@2200	173	128.4	1096@1500	218	110.1	"ECM, TC, CAC
8641;FR92257	OSL	365@2100	192	136.1	1113@1500	202	102.2	"ECM, TC, CAC
8647;FR91675	OSL	325@2000	178	120.1	1050@1500	217	109.8	"ECM, TC, CAC
8647;FR91689	OSL	305@2000	174	117.4	1109@1400	216	102.2	"ECM, TC, CAC
8647;FR91524	OSL	300@2100	170	120.4	1010@1500	210	106.2	"ECM, TC, CAC
8647;FR91676	OSL	300@2000	173	116.7	1010@1500	211	106.7	"ECM, TC, CAC
8650;FR91527	OSL	280@2000	164	110.3	1000@1400	210	99.1	"ECM, TC, CAC
0401;FR91674	OSL	325@2100	176	124.6	1050@1500	213	107.7	"ECM, TC, CAC
0401;FR91526	OSL	280@2100	165	116.6	1050@1500	214	108.3	"ECM, TC, CAC
0400;FR91673	OSL	345@1800	206	125.2	1095@1400	217	102.6	"ECM, TC, CAC
0400;FR91681	OSL	330@1800	199	121.0	1075@1400	216	102.4	"ECM, TC, CAC
0422;FR91709	OSL	280@2000	164	110.3	1070@1400	212	100.1	"ECM, TC, CAC
8695;FR91546	OSL9-G2	364@1800	219	133.2	NA	NA	NA	"ECM, TC, CAC
8695;FR91546	OSL9-G2	310@1500	213	107.6	NA	NA	NA	"ECM, TC, CAC
8695;FR92232	OSL9-G0	300@1800	195	118.0	NA	NA	NA	"ECM, TC, CAC
8646;FR91523	OSL	325@1800	194	117.7	1050@1400	212	100.1	"ECM, TC, CAC
8648;FR91525	OSL	300@1800	187	113.5	1000@1400	210	99.1	"ECM, TC, CAC
0423;FR91680	OSL	330@2100	178	126.0	1050@1500	213	107.7	"ECM, TC, CAC
8651;FR91528	OSL	280@1800	174	106.0	950@1400	197	93.0	"ECM, TC, CAC
1731;FR92041	OSL	250@2000	145	97.5	800@1400	157	74.2	"ECM, TC, CAC
1754;FR92067	OSL9-G2	364@1800	219	133.3	NA	NA	NA	"ECM, TC, CAC
1754;FR92067	OSL9-G2	310@1500	213	107.6	NA	NA	NA	"ECM, TC, CAC
1404;FR91996	OSL9-G3	345 @ 1500	243	123.0	NA	NA	NA	"ECM, TC, CAC
1404;FR91996	OSL9-G3	399 @ 1800	239	145.2	NA	NA	NA	"ECM, TC, CAC

Item	QSL9-G2	QSL9-G1	QSL9-G1	220	111.0	NA	NA	NA	"ECM, TC, CAC
1404;FR92204	321@1500			220	111.0	NA	NA	NA	"ECM, TC, CAC
1404;FR92201	325@1800			200	121.3	NA	NA	NA	"ECM, TC, CAC
1404;FR92201	285@1500			201	101.4	NA	NA	NA	"ECM, TC, CAC

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