

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 engines 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	8JCBL04.4TAE	4.4	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Engine Control Module, Smoke Puff Limiter, Turbocharger, Charge Air Cooler			Crane, Loader, Tractor, Dozer, Pump, Compressor, Other Industrial Equipment	

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
75 ≤ kW < 130	Tier 3	STD	N/A	N/A	4.0	5.0	0.30	20	15	50
		CERT	--	--	3.5	1.0	0.19	20	1	39

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 10th day of August 2007.


 Annette Hebert, Chief
 Mobile Source Operations Division

Return to Template

ATTACHMENT 1 OF 1

Engine Model Summary Template

U-R-049-0007

1. Engine Code 50 State 50 State
 2. Engine Model 50 State
 3. BHP@RPM (SAE Gross) 130.1@2200 105 105 130.1@2200 105 50.3 392.4 @ 1500 120 39.1 EC, TC, CAC, ECM
 4. Fuel Rate: (for diesel only) 105 115 125 160.9@2200 125 60.1 483.1 @ 1500 146 48.1 EC, TC, CAC, ECM
 5. Fuel Rate: (for diesels only) 50.3 55.5 60.1
 6. Torque @ RPM (SEA Gross) 392.4 @ 1500 405.7 @ 1500 483.1 @ 1500
 7. Fuel Rate: mm/stroke@peak torque 120 123 146
 8. Fuel Rate: (lbs/hr)@peak torque Device Per SAE J1930 39.1 40.4 48.1
 9. Emission Control

Engine Family	50 State	50 State	50 State	50 State	50 State	50 State	50 State	50 State	50 State	50 State	50 State	50 State
8JCBL04.4TAE	TCAE	97	130.1@2200	105	105	50.3	392.4 @ 1500	120	39.1	EC, TC, CAC, ECM		
8JCBL04.4TAE	TCAE	108	144.8@2200	115	115	55.5	405.7 @ 1500	123	40.4	EC, TC, CAC, ECM		
8JCBL04.4TAE	TCAE	120	160.9@2200	125	125	60.1	483.1 @ 1500	146	48.1	EC, TC, CAC, ECM		