



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	7SIDL07.4G4D	7.4	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Engine Control Module and Smoke Puff Limiter			Tractor	

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
130 ≤ KW < 225	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT	--	--	3.8	0.8	0.17	10	3	35

**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 16<sup>th</sup> day of February 2007.

Annette Hebert, Chief  
Mobile Source Operations Division

U-R-050-0016

**Engine Model Summary Template**

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Engine Family	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 Coe Device Per SAE
7SIDL07.4G4D	74.383	CTA	235@2200	128	93.9	807@1500	164	82.0	DDI, ECM, SPL, T
7SIDL07.4G4D	74.500	CTA	240@2200	129	94.6	769@1500	148	74.0	SPL
7SIDL07.4G4D	74.507	CTA	181@2200	98	71.9	546@1500	110	55.0	SPL
7SIDL07.4G4D	74.501	CTA	210@2200	110	80.7	769@1500	153	76.5	SPL
7SIDL07.4G4D	74.511	CTA	240@2200	129	94.6	769@1500	148	74.0	SPL
7SIDL07.4G4D	74.508	CTA	222@2200	122	89.5	731@1500	143	71.5	SPL
7SIDL07.4G4D	74.510	CTA	222@2200	122	89.5	731@1500	143	71.5	SPL
7SIDL07.4G4D	66.508	CTA	192@2200	100	73.3	692@1500	132	66.0	SPL
7SIDL07.4G4D	66.503	CTA	188@2200	100	73.3	615@1500	118	59.0	SPL
7SIDL07.4G4D	66.510	CTA	192@2200	100	73.3	692@1500	132	66.0	SPL
7SIDL07.4G4D	66.504	CTA	192@2500	89	72.7	615@1500	128	64.0	SPL
7SIDL07.4G4D	66.511	CTA	192@2200	100	73.3	692@1500	132	66.0	SPL
7SIDL07.4G4D	66.516	CTA	182@2200	97	71.1	615@1500	121	60.5	SPL
7SIDL07.4G4D	66.526	CTA	192@2200	100	73.3	692@1500	132	66.0	SPL
7SIDL07.4G4D	66.528	CTA	208@2000	116	77.3	631@1700	120	68.0	SPL
7SIDL07.4G4D	66.529	CTA	188@2200	100	73.3	615@1500	118	59.0	SPL