

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-14-012;

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)
2015	FSIDL07.4G6B	7.4, 6.6	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Diesel Injection, Turbocharger, Charge Air Cooler, Engine Control Module, Smoke Puff Limiter, Diesel Oxidation Catalyst, Selective Catalytic Reduction-Urea, Ammonia Oxidation Catalyst			Tractor, Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), 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 (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
75 ≤ KW ≤ 560	Tier 4 Final	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.03	0.29	--	0.1	0.01	--	--	--

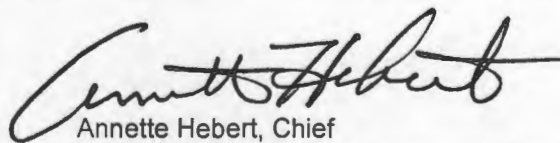
BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has complied with the more stringent set of standards from the various power categories in conformance with Section 1039.230 (e) of the "California Exhaust Emission Standards and Test Procedures for 2008 and Later Tier 4 Off-Road Compression-Ignition Engines, Part I-C" adopted October 20, 2005.

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 30 day of September 2014.



Annette Hebert, Chief
 Emissions Compliance, Automotive Regulations and Science Division

Engine Model Summary Template

U R - 050 - 0048

Sept. 15, 2014

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 Control Device Per SAE J1930
FSIDL07.4G6B		74AWF.923	300@2100	153	107.1	961@1500	177	88.5	AMOX, DOC
FSIDL07.4G6B		66AWF.987	189@2100	93	65.1	646@1500	117	58.5	AMOX, DOC
FSIDL07.4G6B		66AWF.988	189@2100	93	65.1	646@1500	117	58.5	AMOX, DOC
FSIDL07.4G6B		66AWF.991	212@2100	101	70.7	716@1500	127	63.5	AMOX, DOC
FSIDL07.4G6B		66AWF.992	212@2100	101	70.7	716@1500	127	63.5	AMOX, DOC
FSIDL07.4G6B		74AWF.997	256@2100	120	84.0	881@1500	162	81.0	AMOX, DOC
FSIDL07.4G6B		74AWF.998	256@2100	120	84.0	881@1500	162	81.0	AMOX, DOC
FSIDL07.4G6B		66AWF.1000	225@2100	116	81.2	766@1500	142	71.0	AMOX, DOC
FSIDL07.4G6B		74AWF.1030	280@2100	135	94.5	923@1500	168	84.0	AMOX, DOC
FSIDL07.4G6B		74AWF.924	218@2100	111	77.7	781@1500	143	71.5	AMOX, DOC
FSIDL07.4G6B		74AWF.1017	257@2100	131	91.7	815@1500	150	75.0	AMOX, DOC
FSIDL07.4G6B		66AWF.1027	165@2100	86	60.2	664@1500	120	60.0	AMOX, DOC
FSIDL07.4G6B		66AWF.1028	189@2100	108	75.6	726@1500	139	69.5	AMOX, DOC
FSIDL07.4G6B		66AWF.1029	218@2100	125	87.5	769@1500	147	73.5	AMOX, DOC
FSIDL07.4G6B		74AWF.1035	205@2100	101	70.7	725@1500	130	65.0	AMOX, DOC
FSIDL07.4G6B		74AWF.1036	224@2100	107	74.9	792@1500	138	69.0	AMOX, DOC
FSIDL07.4G6B		66AWF.985	178@2100	89	62.3	608@1500	108	54.0	AMOX, DOC
FSIDL07.4G6B		66AWF.986	178@2100	89	62.3	608@1500	108	54.0	AMOX, DOC
FSIDL07.4G6B		66AWF.989	200@2100	101	70.7	711@1500	126	63.0	AMOX, DOC
FSIDL07.4G6B		66AWF.990	200@2100	101	70.7	711@1500	126	63.0	AMOX, DOC
FSIDL07.4G6B		74AWF.993	226@2100	111	77.7	807@1500	146	73.0	AMOX, DOC
FSIDL07.4G6B		74AWF.994	226@2100	111	77.7	807@1500	146	73.0	AMOX, DOC
FSIDL07.4G6B		74AWF.995	243@2100	121	84.7	861@1500	155	77.5	AMOX, DOC
FSIDL07.4G6B		74AWF.996	243@2100	121	84.7	861@1500	155	77.5	AMOX, DOC
FSIDL07.4G6B		74AWF.1023	296@2100	145	101.5	923@1500	170	85.0	AMOX, DOC
FSIDL07.4G6B		74AWF.1024	236@2100	96	67.2	796@1500	154	77.0	AMOX, DOC

Engine Model Summary Template

U-R-050-0048

9/15/2014

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 Control Device Per SAE J1930
FSIDL07.4G6B		66AWF.982	166@2100	83	58.1	573@1500	104	52.0	ANY DOC, ECM,DDI,TC,CAC,SPL,SCRC, I
FSIDL07.4G6B		66AWF.983	166@2100	83	58.1	573@1500	104	52.0	ANY DOC, ECM,DDI,TC,CAC,SPL,SCRC, I
FSIDL07.4G6B		66AWF.984	166@2100	83	58.1	573@1500	104	52.0	ANY DOC, ECM,DDI,TC,CAC,SPL,SCRC, I