

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	FSIDL06.6G6D	6.6, 4.9, 4.4, 3.3	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, Pump, 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):

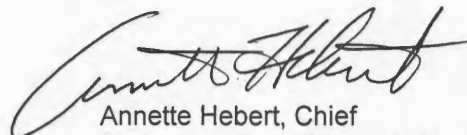
RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
56 ≤ KW < 130	Tier 4 Final	STD	0.19	0.40	N/A	5.0	0.02	N/A	N/A	N/A
		CERT	0.07	0.26	--	0.1	0.01	--	--	--

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 18 day of November 2014.



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

Engine Model Summary Template U-R-050-0047

11/17/2014

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
FSIDL06.6G6D		49AWF.1120	161@2100	120	56.0	608@1500	173	57.7	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		66AWF.981	154@2100	77	53.9	528@1500	96	48.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		66AWF.1026	147@2100	78	54.6	601@1500	110	55.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		49AWF.1130	154@2100	80	37.3	531@1500	108	36.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		49AWF.1083	166@2100	126	58.8	577@1500	162	54.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		49AWF.1124	134@2100	70	32.7	472@1500	96	32.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		49AWF.1125	147@2100	77	35.9	498@1500	99	33.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		49AWF.1126	147@2100	77	35.9	498@1500	99	33.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		49AWF.1127	147@2100	77	35.9	498@1500	99	33.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		49AWF.1128	154@2100	80	37.3	531@1500	108	36.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		49AWF.1129	154@2100	80	37.3	531@1500	108	36.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		33AWFC.1100	80@2200	83	30.4	267@1500	103	25.8	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		33AWFC.1101	86@2200	89	32.6	285@1500	110	27.5	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		33AWFC.1102	91@2200	94	34.5	273@1500	105	26.3	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		33AWFC.1103	95@2200	101	37.0	315@1500	122	30.5	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		33AWFC.1104	101@2200	104	38.1	273@1500	105	26.3	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		33AWFC.1105	80@2200	83	30.4	266@1500	93	23.3	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		33AWFC.1106	90@2200	93	34.1	298@1500	115	28.8	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		33AWFC.1107	99@2200	102	37.4	315@1500	122	30.5	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		44AWFC.1111	95@2200	72	35.2	315@1500	88	29.3	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		44AWFC.1112	106@2200	79	38.6	354@1500	100	33.3	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		44AWFC.1113	106@2200	79	38.6	321@1500	90	30.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		44AWFC.1114	115@2200	84	41.1	392@1500	111	37.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		44AWFC.1115	125@2200	94	46.0	415@1500	117	39.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		44AWFC.1116	99@2200	74	36.2	323@1500	91	30.3	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC
FSIDL06.6G6D		44AWFC.1117	106@2200	79	38.6	360@1500	102	34.0	ECM,DDI,TC,CAC,SPL,SCRC, AMOX DOC

ATTACHMENT 2 OF 2

Engine Model Summary Template

U-R-050-0047

11/17/2014

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
FSIDL06.6G6D		44AWFC.1118	115@2200	84	41.1	393@1500	111	37.0	ECM,DDI,TC,CAC,SPL,SCRC,AMOX DOC
FSIDL06.6G6D		44AWFC.1119	125@2200	94	46.0	415@1500	117	39.0	ECM,DDI,TC,CAC,SPL,SCRC,AMOX DOC