

Pursuant to the authority vested in California 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-19-095;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems 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)
2023	PSIDL06.6I7C	6.6, 4.9, 4.4, 3.3	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Engine Control Module, Electronic Direct Injection, Turbocharger, Charge Air Cooler, Diesel Oxidation Catalyst, Periodic Trap Oxidizer, Selective Catalytic Reduction – Urea, Ammonia Oxidation Catalyst			Tractor, Generator Set	

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	0.01	0.31	--	0.01	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).

BE IT FURTHER RESOLVED: That for the listed engine models which include engines from different power categories in the same engine family, the manufacturer is complying with the more stringent set of standards from the 56 ≤ kW < 130 power categories in conformance with the incorporated Section 1039.230 (e) of the "California Exhaust Emission Standards and Test Procedures for New 2011 and Later Tier 4 Off-Road Compression Ignition Engines, Part 1-D" adopted October 20, 2005 and last amended October 25, 2012.

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 on this 13th day of April 2023.



Robin U. Lang, Chief
Emissions Certification and Compliance Division

Attachment: Engine Models

EO #: U-R-050-0103

Family: PSIDL06.617C

Attachment Revised: 4/7/2023

Model	Code	Trim	Config	Displacement	Displacement - Units	Peak Power	Peak Power - Units	Peak Power - Speed (rpm)	Peak Power - Fueling	Peak Power - Fuel Units	Peak Torque	Peak Torque - Units	Peak Torque - Speed (rpm)	Peak Torque - Fuel	Peak Torque - Fuel Units	OBD	GHG	Special	Notes
49	LFTN-D	4.1566	I4	4.9	Liters	161	horsepower	2100	126	mm3/stroke	583	lb-ft	1500	169	mm3/stroke				OCV
44	MBTN-D	4.1615	I4	4.4	Liters	109	horsepower	2200	94	mm3/stroke	325	lb-ft	1500	98	mm3/stroke				CCV
44	MBTN-D	4.1616	I4	4.4	Liters	118	horsepower	2200	100	mm3/stroke	347	lb-ft	1500	104	mm3/stroke				CCV
44	MBTN-D	4.1617	I4	4.4	Liters	102	horsepower	2200	88	mm3/stroke	325	lb-ft	1500	98	mm3/stroke				CCV
44	MBTN-D	4.1618	I4	4.4	Liters	125	horsepower	2200	106	mm3/stroke	413	lb-ft	1500	123	mm3/stroke				CCV
44	MBTN-D	4.1619	I4	4.4	Liters	131	horsepower	2200	110	mm3/stroke	398	lb-ft	1500	119	mm3/stroke				CCV
44	MBTN-D	4.1620	I4	4.4	Liters	138	horsepower	2200	118	mm3/stroke	413	lb-ft	1500	124	mm3/stroke				CCV
66	LFTN-D	4.1629	I6	6.6	Liters	157	horsepower	2100	87	mm3/stroke	538	lb-ft	1500	100	mm3/stroke				OCV
44	MBTN-D	4.1663	I4	4.4	Liters	106	horsepower	2200	90	mm3/stroke	347	lb-ft	1500	101	mm3/stroke				CCV
44	MBTN-D	4.1664	I4	4.4	Liters	115	horsepower	2200	96	mm3/stroke	376	lb-ft	1500	109	mm3/stroke				CCV
44	MBTN-D	4.1665	I4	4.4	Liters	126	horsepower	2200	105	mm3/stroke	413	lb-ft	1500	119	mm3/stroke				CCV
44	MBTN-D	4.1666	I4	4.4	Liters	130	horsepower	2200	108	mm3/stroke	402	lb-ft	1500	117	mm3/stroke				CCV
44	MBTN-D	4.1667	I4	4.4	Liters	141	horsepower	2200	116	mm3/stroke	413	lb-ft	1500	119	mm3/stroke				CCV
49	LFTN-D	4.1684	I4	4.9	Liters	149	horsepower	2100	126	mm3/stroke	479	lb-ft	1500	137	mm3/stroke				OCV
49	LFTN-D	4.1686	I4	4.9	Liters	149	horsepower	2100	126	mm3/stroke	479	lb-ft	1500	137	mm3/stroke				OCV
49	LFTN-D	4.1687	I4	4.9	Liters	157	horsepower	2100	133	mm3/stroke	516	lb-ft	1500	147	mm3/stroke				OCV
49	LFTN-D	4.1689	I4	4.9	Liters	157	horsepower	2100	133	mm3/stroke	516	lb-ft	1500	147	mm3/stroke				OCV
44	LFTN-D	4.1668	I4	4.4	Liters	140	horsepower	2100	132	mm3/stroke	479	lb-ft	1500	140	mm3/stroke				OCV
44	LFTN-D	4.1669	I4	4.4	Liters	121	horsepower	2100	114	mm3/stroke	421	lb-ft	1500	122	mm3/stroke				OCV
44	LFTN-D	4.1670	I4	4.4	Liters	111	horsepower	2100	105	mm3/stroke	395	lb-ft	1500	114	mm3/stroke				OCV
44	LFTN-D	4.1671	I4	4.4	Liters	99	horsepower	2100	96	mm3/stroke	366	lb-ft	1500	106	mm3/stroke				OCV
49	LFTN-D	4.1672	I4	4.9	Liters	166	horsepower	2100	147	mm3/stroke	553	lb-ft	1500	159	mm3/stroke				OCV
33	LFTN-D	4.1857	I3	3.3	Liters	113	horsepower	2100	142	mm3/stroke	375	lb-ft	1600	153	mm3/stroke				OCV
33	LFTN-D	4.1856	I3	3.3	Liters	98	horsepower	2100	119	mm3/stroke	316	lb-ft	1600	128	mm3/stroke				OCV
33	LFTN-D	4.1855	I3	3.3	Liters	90	horsepower	2100	108	mm3/stroke	287	lb-ft	1600	116	mm3/stroke				OCV
33	LFTN-D	4.1854	I3	3.3	Liters	80	horsepower	2100	98	mm3/stroke	257	lb-ft	1600	104	mm3/stroke				OCV
33	LFTN-D	4.1853	I3	3.3	Liters	71	horsepower	2100	92	mm3/stroke	242	lb-ft	1600	98	mm3/stroke				OCV
44	LFTN-D	4.1858	I4	4.4	Liters	111	horsepower	2100	109	mm3/stroke	395	lb-ft	1500	117	mm3/stroke				OCV