

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)
2022	NSIDL07.4I7C	7.4, 6.6, 4.9	Diesel	8,000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Engine Control Module, Electronic Direct Injection, Turbocharger, Charge Air Cooler, Selective Catalytic Reduction – Urea, Diesel Oxidation Catalyst, Ammonia Oxidation Catalyst, Periodic Trap Oxidizer			Tractor	

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
130 ≤ kW ≤ 560	Tier 4 Final	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.01	0.29	--	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).

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 19th day of December 2021.



Allen Lyons, Chief
 Emissions Certification and Compliance Division

Model	Code	Trim	Config	Displacement	Displacement -		Peak Power	Peak Power -		Peak Power - Speed (rpm)	Peak Power - Fueling	Peak Power -		Peak Torque	Peak Torque - Units	Peak Torque - Speed (rpm)	Peak Torque - Fuel	Peak Torque - Fuel Units	OBD	GHG	Special	Notes
					Units	Liters		Units	horsepower			Fuel Units	Peak Torque									
74	LFTN-D	5.1567	16	7.4	Liters	275	horsepower	2100	160	160	mm3/stroke	974	lb-ft	188	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1610	16	7.4	Liters	241	horsepower	1950	144	144	mm3/stroke	833	lb-ft	156	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1611	16	7.4	Liters	274	horsepower	1950	161	161	mm3/stroke	944	lb-ft	178	mm3/stroke	None	None	None	OCV			
66	LFTN-D	4.1609	16	6.6	Liters	208	horsepower	2100	127	127	mm3/stroke	701	lb-ft	135	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1612	16	7.4	Liters	217	horsepower	1950	126	126	mm3/stroke	738	lb-ft	139	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1613	16	7.4	Liters	241	horsepower	1950	144	144	mm3/stroke	833	lb-ft	156	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1614	16	7.4	Liters	274	horsepower	1950	161	161	mm3/stroke	944	lb-ft	178	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1674	16	7.4	Liters	241	horsepower	1950	144	144	mm3/stroke	833	lb-ft	156	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1675	16	7.4	Liters	274	horsepower	1950	161	161	mm3/stroke	944	lb-ft	178	mm3/stroke	None	None	None	OCV			
49	LFTN-D	4.1627	14	4.9	Liters	181	horsepower	2100	158	158	mm3/stroke	590	lb-ft	173	mm3/stroke	None	None	None	OCV			
66	LFTN-D	4.1698	16	6.6	Liters	208	horsepower	2100	130	130	mm3/stroke	701	lb-ft	137	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1699	16	7.4	Liters	235	horsepower	2100	139	139	mm3/stroke	811	lb-ft	153	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1700	16	7.4	Liters	296	horsepower	2100	170	170	mm3/stroke	885	lb-ft	169	mm3/stroke	None	None	None	OCV			
66	LFTN-D	4.1676	16	6.6	Liters	170	horsepower	2100	95	95	mm3/stroke	553	lb-ft	106	mm3/stroke	None	None	None	OCV			
66	LFTN-D	4.1677	16	6.6	Liters	170	horsepower	2100	95	95	mm3/stroke	553	lb-ft	106	mm3/stroke	None	None	None	OCV			
66	LFTN-D	4.1678	16	6.6	Liters	180	horsepower	2100	99	99	mm3/stroke	590	lb-ft	113	mm3/stroke	None	None	None	OCV			
66	LFTN-D	4.1679	16	6.6	Liters	180	horsepower	2100	99	99	mm3/stroke	590	lb-ft	113	mm3/stroke	None	None	None	OCV			
66	LFTN-D	4.1680	16	6.6	Liters	198	horsepower	2100	110	110	mm3/stroke	634	lb-ft	121	mm3/stroke	None	None	None	OCV			
66	LFTN-D	4.1681	16	6.6	Liters	198	horsepower	2100	110	110	mm3/stroke	634	lb-ft	121	mm3/stroke	None	None	None	OCV			
66	LFTN-D	4.1682	16	6.6	Liters	209	horsepower	2100	116	116	mm3/stroke	682	lb-ft	130	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1657	16	7.4	Liters	202	horsepower	1950	119	119	mm3/stroke	700	lb-ft	131	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1658	16	7.4	Liters	216	horsepower	1950	126	126	mm3/stroke	737	lb-ft	139	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1659	16	7.4	Liters	235	horsepower	1950	137	137	mm3/stroke	811	lb-ft	154	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1660	16	7.4	Liters	249	horsepower	1950	148	148	mm3/stroke	884	lb-ft	169	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1661	16	7.4	Liters	274	horsepower	1950	164	164	mm3/stroke	943	lb-ft	180	mm3/stroke	None	None	None	OCV			
74	LFTN-D	4.1662	16	7.4	Liters	288	horsepower	1950	172	172	mm3/stroke	943	lb-ft	181	mm3/stroke	None	None	None	OCV			
49	LFTN-D	4.1690	14	4.9	Liters	170	horsepower	2100	144	144	mm3/stroke	553	lb-ft	160	mm3/stroke	None	None	None	OCV			
49	LFTN-D	4.1692	14	4.9	Liters	170	horsepower	2100	144	144	mm3/stroke	553	lb-ft	160	mm3/stroke	None	None	None	OCV			
49	LFTN-D	4.1693	14	4.9	Liters	180	horsepower	2100	152	152	mm3/stroke	590	lb-ft	172	mm3/stroke	None	None	None	OCV			
49	LFTN-D	4.1694	14	4.9	Liters	180	horsepower	2100	152	152	mm3/stroke	590	lb-ft	172	mm3/stroke	None	None	None	OCV			
49	LFTN-D	4.1695	14	4.9	Liters	189	horsepower	2100	161	161	mm3/stroke	590	lb-ft	172	mm3/stroke	None	None	None	OCV			
49	LFTN-D	4.1696	14	4.9	Liters	189	horsepower	2100	161	161	mm3/stroke	590	lb-ft	172	mm3/stroke	None	None	None	OCV			
49	LFTN-D	4.1673	14	4.9	Liters	181	horsepower	2100	158	158	mm3/stroke	590	lb-ft	173	mm3/stroke	None	None	None	OCV			
49	LFTN-D	4.1624	14	4.9	Liters	181	horsepower	2100	159	159	mm3/stroke	590	lb-ft	176	mm3/stroke	None	None	None	OCV			