

Pursuant to the authority vested in the California Air Resources Board by Health and Safety Code Division 26, Part 5, Chapters 1 and 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

**IT IS ORDERED AND RESOLVED:** The engines and emission control systems produced by the manufacturer as described below are certified 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	Combustion Cycle	Fuel Operation	Fuel Type(s)	Engine Operation
2024	RSIDL07.4I7C	Diesel	Dedicated	Diesel	Variable and Constant Speed

Emission Control Systems	Special Features
[1-3]: Electronic Control Module (ECM), Electronic Direct Injection (DDI), Turbocharger (TC), Charge Air Cooler (CAC), Selective Catalytic Reduction Catalyst (SCRC), Diesel Oxidation Catalyst (DOC), Periodic Trap Oxidizer (PTOX), Ammonia Oxidation Catalyst (AMOX)	None

The certified engine models are attached.

The listed engine models comply with the following: 1) emission standard limits (STD) and Not-To-Exceed (NTE) limits, as applicable, for criteria pollutants non-methane hydrocarbons (NMHC), nitrogen oxides (NOx), carbon monoxide (CO), and particulate matter (PM), and for smoke opacity as demonstrated during the Acceleration (ACL) and Lugging (LUG) modes, and the peak value (PEAK) in either mode of the Smoke Opacity cycle, as set forth in 13 CCR 2423 and the applicable California test procedures for off-road compression-ignition engines, and 2) family emission limits (FEL) declared by the manufacturer as allowed by the applicable California test procedures, stated in units of gram per kilowatt-hour (g/kW-hr) and percent opacity (%opacity), respectively, except as noted, or designated as not applicable (\*).

Applicable Standard		Criteria				Smoke Opacity		
		NMHC	NOx	CO	PM	ACL	LUG	PEAK
Tier 4 Final 130 ≤ kW ≤ 560	STD	0.19	0.40	3.5	0.02	*	*	*
	FEL	*	*	*	*	*	*	*
	NTE	0.28	0.60	4.4	0.03	*	*	*

**BE IT FURTHER RESOLVED:** Any declared FEL is the emission limit to which all engines must comply in lieu of the standard limit for certification purposes, subject to the restrictions of averaging, banking, or trading (ABT) programs allowed by the applicable California test procedures.

**BE IT FURTHER RESOLVED:** That the manufacturer has elected to combine engines from the 75 ≤ kW ≤ 560 power categories into a single engine family. The listed engine models comply with the more stringent set of standards of the 130 ≤ kW ≤ 560 power category in accordance with Section 1039.230(e) of the applicable California test procedures.

**BE IT FURTHER RESOLVED:** For the listed engine models, the manufacturer has submitted materials to demonstrate certification compliance with 13 CCR 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control warranty).

**BE IT FURTHER RESOLVED:** The listed engine models may only be installed in or on equipment such that engine operation is consistent with off-road compression-ignition engines as defined in 13 CCR 2421(a)(39).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

Executed on this 3rd day of May 2024.



Robin U. Lang, Chief  
 Emissions Certification and Compliance Division

**ATTACHMENT: ENGINE MODELS**

Family: RSIDL07.417C EO Number: U-R-050-0113 Date Applicable: 4/26/2024

Model	Code	Trim	Config	Displacement	Peak Power			Peak Torque			ECS Num	GHG	Notes
					Power	Speed	Fueling	Torque	Speed	Fueling			
				Liters	horsepower	rpm	mm3/stroke	lb-ft	rpm	mm3/stroke			
74	LFTN-D	5.1567	I6	7.4	275	2100	160	974	1500	188	3	N/A	OCV
74	LFTN-D	4.1610	I6	7.4	241	1950	144	833	1460	156	3	N/A	OCV
74	LFTN-D	4.1611	I6	7.4	274	1950	161	944	1460	178	3	N/A	OCV
66	LFTN-D	4.1609	I6	6.6	208	2100	127	701	1500	135	2	N/A	OCV
74	LFTN-D	4.1612	I6	7.4	217	1950	126	738	1500	139	3	N/A	OCV
74	LFTN-D	4.1613	I6	7.4	241	1950	144	833	1500	156	3	N/A	OCV
74	LFTN-D	4.1614	I6	7.4	274	1950	161	944	1500	178	3	N/A	OCV
74	LFTN-D	4.1674	I6	7.4	241	1950	144	833	1500	156	3	N/A	OCV
74	LFTN-D	4.1675	I6	7.4	274	1950	161	944	1500	178	3	N/A	OCV
49	LFTN-D	4.1627	I4	4.9	181	2100	158	590	1500	173	1	N/A	OCV
66	LFTN-D	4.1698	I6	6.6	208	2100	130	701	1500	137	2	N/A	OCV
74	LFTN-D	4.1699	I6	7.4	235	2100	139	811	1500	153	3	N/A	OCV
74	LFTN-D	4.1700	I6	7.4	296	2100	170	885	1500	169	3	N/A	OCV
66	LFTN-D	4.1676	I6	6.6	170	2100	95	553	1500	106	2	N/A	OCV
66	LFTN-D	4.1677	I6	6.6	170	2100	95	553	1500	106	2	N/A	OCV
66	LFTN-D	4.1678	I6	6.6	180	2100	99	590	1500	113	2	N/A	OCV
66	LFTN-D	4.1679	I6	6.6	180	2100	99	590	1500	113	2	N/A	OCV
66	LFTN-D	4.1680	I6	6.6	198	2100	110	634	1500	121	2	N/A	OCV
66	LFTN-D	4.1681	I6	6.6	198	2100	110	634	1500	121	2	N/A	OCV
66	LFTN-D	4.1682	I6	6.6	209	2100	116	682	1500	130	2	N/A	OCV
74	LFTN-D	4.1657	I6	7.4	202	1950	119	700	1500	131	3	N/A	OCV
74	LFTN-D	4.1658	I6	7.4	216	1950	126	737	1500	139	3	N/A	OCV
74	LFTN-D	4.1659	I6	7.4	235	1950	137	811	1500	154	3	N/A	OCV
74	LFTN-D	4.1660	I6	7.4	249	1950	148	884	1500	169	3	N/A	OCV
74	LFTN-D	4.1661	I6	7.4	274	1950	164	943	1500	180	3	N/A	OCV
74	LFTN-D	4.1662	I6	7.4	288	1950	172	943	1500	181	3	N/A	OCV
49	LFTN-D	4.1690	I4	4.9	170	2100	144	553	1500	160	1	N/A	OCV
49	LFTN-D	4.1692	I4	4.9	170	2100	144	553	1500	160	1	N/A	OCV
49	LFTN-D	4.1693	I4	4.9	180	2100	152	590	1500	172	1	N/A	OCV
49	LFTN-D	4.1694	I4	4.9	180	2100	152	590	1500	172	1	N/A	OCV
49	LFTN-D	4.1695	I4	4.9	189	2100	161	590	1500	172	1	N/A	OCV
49	LFTN-D	4.1696	I4	4.9	189	2100	161	590	1500	172	1	N/A	OCV
49	LFTN-D	4.1673	I4	4.9	181	2100	158	590	1500	173	1	N/A	OCV
49	LFTN-D	4.1624	I4	4.9	181	2100	159	590	1500	176	1	N/A	OCV
@49	LFTN-D	4.1852	I4	4.9	189	2100	156	590	1500	169	1	N/A	OCV
@74	LFTN-D	4.1775	I6	7.4	174	2100	113	690	1500	127	3	N/A	OCV
@74	LFTN-D	4.1776	I6	7.4	212	2100	126	686	1500	127	3	N/A	OCV
@66	LFTN-D	4.1940	I6	6.6	218	2100	112	737	1500	140	2	N/A	OCV