

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	RSIDL06.6I7C	Diesel	Dedicated	Diesel	Variable and Constant Speed

Emission Control Systems	Special Features
[1-5]: 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 75 ≤ kW < 130	STD	0.19	0.40	5.0	0.02	*	*	*
	FEL	*	*	*	*	*	*	*
	NTE	0.28	0.60	6.2	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 37 ≤ kW < 130 power categories into a single engine family. The listed engine models comply with the more stringent set of standards of the 75 ≤ kW < 130 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: RSIDL06.6I7C EO Number: U-R-050-0112 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	-	-	-
49	LFTN-D	4.1566	I4	4.9	161	2100	126	583	1500	169	3	N/A	OCV
44	MBTN-D	4.1615	I4	4.4	109	2200	94	325	1500	98	5	N/A	CCV
44	MBTN-D	4.1616	I4	4.4	118	2200	100	347	1500	104	5	N/A	CCV
44	MBTN-D	4.1617	I4	4.4	102	2200	88	325	1500	98	5	N/A	CCV
44	MBTN-D	4.1618	I4	4.4	125	2200	106	413	1500	123	5	N/A	CCV
44	MBTN-D	4.1619	I4	4.4	131	2200	110	398	1500	119	5	N/A	CCV
44	MBTN-D	4.1620	I4	4.4	138	2200	118	413	1500	124	5	N/A	CCV
66	LFTN-D	4.1629	I6	6.6	157	2100	87	538	1500	100	4	N/A	OCV
44	MBTN-D	4.1663	I4	4.4	106	2200	90	347	1500	101	5	N/A	CCV
44	MBTN-D	4.1664	I4	4.4	115	2200	96	376	1500	109	5	N/A	CCV
44	MBTN-D	4.1665	I4	4.4	126	2200	105	413	1500	119	5	N/A	CCV
44	MBTN-D	4.1666	I4	4.4	130	2200	108	402	1500	117	5	N/A	CCV
44	MBTN-D	4.1667	I4	4.4	141	2200	116	413	1500	119	5	N/A	CCV
49	LFTN-D	4.1684	I4	4.9	149	2100	126	479	1500	137	3	N/A	OCV
49	LFTN-D	4.1686	I4	4.9	149	2100	126	479	1500	137	3	N/A	OCV
49	LFTN-D	4.1687	I4	4.9	157	2100	133	516	1500	147	3	N/A	OCV
49	LFTN-D	4.1689	I4	4.9	157	2100	133	516	1500	147	3	N/A	OCV
44	LFTN-D	4.1668	I4	4.4	140	2100	132	479	1500	140	2	N/A	OCV
44	LFTN-D	4.1669	I4	4.4	121	2100	114	421	1500	122	2	N/A	OCV
44	LFTN-D	4.1670	I4	4.4	111	2100	105	395	1500	114	2	N/A	OCV
44	LFTN-D	4.1671	I4	4.4	99	2100	96	366	1500	106	2	N/A	OCV
49	LFTN-D	4.1672	I4	4.9	166	2100	147	553	1500	159	3	N/A	OCV
33	LFTN-D	4.1857	I3	3.3	113	2100	142	375	1600	153	1	N/A	OCV
33	LFTN-D	4.1856	I3	3.3	98	2100	119	316	1600	128	1	N/A	OCV
33	LFTN-D	4.1855	I3	3.3	90	2100	108	287	1600	116	1	N/A	OCV
33	LFTN-D	4.1854	I3	3.3	80	2100	98	257	1600	104	1	N/A	OCV
33	LFTN-D	4.1853	I3	3.3	71	2100	92	242	1600	98	1	N/A	OCV
44	LFTN-D	4.1858	I4	4.4	111	2100	109	395	1500	117	2	N/A	OCV
@44	MBTN-D	4.1874	I4	4.4	102	2200	78	324	1500	95	5	N/A	CCV
@44	MBTN-D	4.1875	I4	4.4	103	2200	82	324	1500	99	5	N/A	CCV
@44	MBTN-D	4.1876	I4	4.4	110	2200	88	339	1500	104	5	N/A	CCV
@44	MBTN-D	4.1877	I4	4.4	120	2200	96	383	1500	116	5	N/A	CCV
@44	MBTN-D	4.1878	I4	4.4	130	2200	103	401	1500	123	5	N/A	CCV
@44	MBTN-D	4.1879	I4	4.4	140	2200	110	412	1500	130	5	N/A	CCV