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	RDICL05.8LEB	Diesel	Dedicated	Diesel	Variable and Constant Speed

Emission Control Systems	Special Features
[1]: Exhaust Gas Recirculation (EGR), Diesel Oxidation Catalyst (DOC), Selective Catalyst Reduction-Urea (SCR-U), Electronic Direct Injection (DFI), Turbocharger (TC), Charge Air Cooler (CAC), Electronic Control Module (ECM), DEF Quality Sensor (DQS)	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 14th day of December 2023.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: RDICL05.8LEB EO Number: U-R-019-0220 Date Applicable: 02/21/2024

					Peak Power			Peak Torque					
Model	Code	Trim	Config	Displacement	Power	Speed	Fueling	Torque	Speed	Fueling	ECS Num	GHG	Notes
-	-	-	-	L	kW	rpm	mm3/stroke	N-m	rpm	mm3/stroke	-	-	-
DL06-LEL06	DL06P	N/A	I6	5.89	141	2000	107.8	902	1400	139	1	N/A	N/A
DL06-LEE23	DL06P	N/A	I6	5.89	130	1800	104.7	804	1400	119.7	1	N/A	N/A
DL06-LEL03	DL06P	N/A	I6	5.89	127.9	2100	96.3	804	1400	124.8	1	N/A	N/A
DL06-LEL08	DL06P	N/A	I6	5.89	128	2100	96.3	804	1400	124.8	1	N/A	N/A
DL06-LEL00	DL06P	N/A	I6	5.89	127.9	2100	96.3	804	1400	124.8	1	N/A	N/A
DL06-LEE17	DL06P	N/A	I6	5.89	130	1800	104.7	804	1400	119.7	1	N/A	N/A
DL06-LEE01	DL06P	N/A	I6	5.89	113.2	2000	88.5	647	1400	98.2	1	N/A	N/A
DL06-LEE05	DL06P	N/A	I6	5.89	141.2	1900	111.3	804	1400	124.8	1	N/A	N/A
DL06-LEE03	DL06P	N/A	I6	5.89	129.4	1900	101	755	1400	115.7	1	N/A	N/A
DL06-LEE04	DL06P	N/A	I6	5.89	141.2	1900	111.3	804	1400	124.8	1	N/A	N/A
DL06-LEE24	DL06P	N/A	I6	5.89	141	1900	111.3	804	1400	124.8	1	N/A	N/A
DL06-LEE00	DL06P	N/A	I6	5.89	124	1800	103.1	755	1400	115.7	1	N/A	N/A
DL06-LEE20	DL06P	N/A	I6	5.89	141	1900	111.3	804	1400	124.8	1	N/A	N/A
DL06-LEL05	DL06P	N/A	I6	5.89	119	2100	89.7	736	1400	111	1	N/A	N/A
DL06-LEE02	DL06P	N/A	I6	5.89	141.2	1900	111.3	804	1400	124.8	1	N/A	N/A
DL06-LEE07	DL06P	N/A	I6	5.89	102.2	2000	79.7	588	1400	89.4	1	N/A	N/A
DL06-LEE19	DL06P	N/A	I6	5.89	130	1900	101	755	1400	115.7	1	N/A	N/A
DL06-LEE22	DL06P	N/A	I6	5.89	102	2000	79.7	588	1400	89.4	1	N/A	N/A
DL06-LEE18	DL06P	N/A	I6	5.89	141	1900	111.3	804	1400	124.8	1	N/A	N/A
DL06-LEE21	DL06P	N/A	I6	5.89	141	1900	111.3	804	1400	124.8	1	N/A	N/A
DL06-LEL04	DL06P	N/A	I6	5.89	128	2100	96.3	804	1400	124.8	1	N/A	N/A
DL06-LEL02	DL06P	N/A	I6	5.89	119	2100	89.7	736	1400	111	1	N/A	N/A
DL06-LEF00	DL06P	N/A	I6	5.89	139.7	2100	106.2	785	1400	120.4	1	N/A	N/A
DL06-LEF01	DL06P	N/A	I6	5.89	128.7	2100	97.1	726	1400	111	1	N/A	N/A
DL06-LEL07	DL06P	N/A	I6	5.89	119	2100	89.7	736	1400	111	1	N/A	N/A
DL06-LEL08	DL06P	N/A	I6	5.89	128	2100	96.3	804	1400	124.8	1	N/A	New Model Added
DL06-LEF02	DL06P	N/A	I6	5.89	139.7	2100	106.2	785	1400	120.4	1	N/A	New Model Added
DL06-LEF03	DL06P	N/A	I6	5.89	128.7	2100	97.1	726	1400	111	1	N/A	New Model Added