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	RDICL03.4LEA	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 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 56 ≤ 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 14th day of December 2023.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: RDICL03.4LEA EO Number: U-R-019-0216 Date Applicable: 11/27/2023

					Peak Power			Peak Torque					
Model	Code	Trim	Config	Displacement	Power	Speed	Fueling	Torque	Speed	Fueling	ECS Num	GHG	Notes
-	-	-	-	L	kW	rpm	mm3/stroke	lb-ft	rpm	mm3/stroke	-	-	-
DL03-LEL00	D34P	N/A	I4	3.4	82	2400	83.1	430	1400	102.4	1	N/A	N/A
DL03-LEL01	D34P	N/A	I4	3.4	74.6	2400	74.9	375	1600	86.8	1	N/A	N/A
DL03-LEL02	D34P	N/A	I4	3.4	68.6	2400	69	350	1600	81.2	1	N/A	N/A
DL03-LEL03	D34P	N/A	I4	3.4	63.4	2400	64.3	325	1600	75.9	1	N/A	N/A
DL03-LEF05	D34P	N/A	I4	3.4	80.4	2300	83.4	375	1600	86.8	1	N/A	N/A
DL03-LEA00	D34P	N/A	I4	3.4	82	2200	85.6	430	1400	100	1	N/A	N/A
DL03-LEA01	D34P	N/A	I4	3.4	74.6	2200	78	410	1400	95.6	1	N/A	N/A
DL03-LEA02	D34P	N/A	I4	3.4	67.1	2200	70.4	390	1400	89.7	1	N/A	N/A
DL03-LEA03	D34P	N/A	I4	3.4	59.7	2200	63.2	370	1400	85.9	1	N/A	N/A
DL03-LEA04	D34P	N/A	I4	3.4	78.3	2300	79.9	430	1400	100	1	N/A	N/A
DL03-LEA05	D34P	N/A	I4	3.4	70.8	2300	72.3	400	1400	93.3	1	N/A	N/A
DL03-LEA06	D34P	N/A	I4	3.4	63.4	2300	65.2	370	1400	85.9	1	N/A	N/A
DL03-LEA07	D34P	N/A	I4	3.4	82	2200	85.2	430	1400	100	1	N/A	N/A
DL03-LEA08	D34P	N/A	I4	3.4	76.8	2200	79.7	430	1400	100	1	N/A	N/A
DL03-LEA09	D34P	N/A	I4	3.4	69.3	2200	71.5	390	1400	89.7	1	N/A	N/A
DL03-LEA10	D34P	N/A	I4	3.4	61.9	2200	64.5	380	1400	87	1	N/A	N/A
DL03-LEV01	D34P	N/A	I4	3.4	74.6	2400	74.9	430	1400	102.4	1	N/A	N/A
DL03-LEG00	D34PP	72.6 kW	I4	3.4	72.6	1800	91.6	385	1800	91.6	1	N/A	N/A
DL03-LEG00	D34PP	66 kW	I4	3.4	66	1500	102.3	420	1500	102.3	1	N/A	N/A
DL03-LEG01	D34PP	72.6 kW	I4	3.4	72.6	1800	91.6	385	1800	91.6	1	N/A	N/A
DL03-LEG01	D34PP	66 kW	I4	3.4	66	1500	102.3	420	1500	102.3	1	N/A	N/A
DL03-LER01	D34P	N/A	I4	3.4	81.9	2400	83.1	430	1400	102.4	1	N/A	N/A
DL03-LER02	D34P	N/A	I4	3.4	74.6	2400	74.9	375	1600	86.8	1	N/A	N/A
DL03-LER03	D34P	N/A	I4	3.4	68.6	2400	69	350	1600	81.2	1	N/A	N/A
DL03-LER04	D34P	N/A	I4	3.4	63.4	2400	64.3	325	1800	75.9	1	N/A	N/A
DL03-LEA18	D34P	N/A	I4	3.4	67.1	2300	69	390	1400	90.5	1	N/A	N/A
DL03-LEA19	D34P	N/A	I4	3.4	74.6	2300	76.1	410	1400	95.7	1	N/A	N/A
DL03-LEA20	D34P	N/A	I4	3.4	82	2300	83.7	430	1400	100	1	N/A	N/A
DL03-LEF12	D34P	N/A	I4	3.4	82	2400	83.1	430	1400	102.4	1	N/A	N/A