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	RCEXL15.0AAL	Diesel	Dedicated	Diesel	Variable and Constant Speed

Emission Control Systems	Special Features
[1]: Electronic Direct Injection (DDI), Electronic Control Module (ECM), Turbocharger (TC), Charged Air Cooler (CAC) Selective Catalytic Reduction – Urea (SCR-U), Ammonia Oxidation Catalyst (AMOX), Exhaust Gas Recirculation (EGR), Periodic Trap Oxidizer (PTOX), Diesel Oxidation Catalyst (DOC)	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/kWh-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: 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 26th day of July 2023.

Lisa Yacoubian for

Robin U. Lang, Chief
Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: RCEXL15.0AAL EO Number: U-R-002-0871 Date Applicable: 07/14/2023

					Peak Power			Peak Torque					
Model	Code	Trim	Config	Displacement	Power	Speed	Fueling	Torque	Speed	Fueling	ECS Num	GHG	Notes
-	-	-	-	L	hp	rpm	mm3/stroke	lb-ft	rpm	mm3/stroke	-	-	-
X15	LX1		I6	15	500	1800	279	1600	1400	299	1	N/A	
X15	LX2		I6	15	525	1800	293	1750	1400	325	1	N/A	
X15	LX3		I6	15	550	1800	308	1750	1400	325	1	N/A	
X15	LX4		I6	15	575	1800	322	1950	1400	372	1	N/A	
X15	LX5		I6	15	600	1800	338	2050	1400	391	1	N/A	
X15	LX6		I6	15	625	1800	354	2050	1400	391	1	N/A	
X15	LX7		I6	15	450	2100	279	1700	1400	315	1	N/A	
X15	LX8		I6	15	500	2100	307	1850	1400	349	1	N/A	
X15	LX9		I6	15	535	2100	325	1950	1400	372	1	N/A	
X15	LX10		I6	15	550	2100	341	1950	1400	372	1	N/A	
X15	LX11		I6	15	600	2100	331	2050	1400	391	1	N/A	
X15	LX12		I6	15	630	2100	343	2050	1400	391	1	N/A	
X15	LX13		I6	15	650	2100	355	2050	1400	391	1	N/A	
X15	LX14		I6	15	675	2100	368	2050	1400	391	1	N/A	
X15	LX15		I6	15	562	2100	350	1960	1600	376	1	N/A	
X15	LX16		I6	15	587	2100	341	1960	1600	376	1	N/A	
X15	LX17		I6	15	611	2100	376	2086	1600	397	1	N/A	
X15	LX18		I6	15	636	2100	366	2086	1600	397	1	N/A	
X15	LX19		I6	15	605	2100	370	2050	1400	391	1	N/A	
X15	LX20		I6	15	470	2000	312	1700	1400	278	1	N/A	
X15	LX39		I6	15	656	2100	378	2132	1600	405	1	N/A	
X15	LX40		I6	15	632	2100	365	2132	1600	405	1	N/A	
X15	LX41		I6	15	665	1900	376	2058	1600	404	1	N/A	