

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	RJDXL13.5310	Diesel	Dedicated	Diesel	Variable and Constant Speed

Emission Control Systems	Special Features
[1]: Electronic Direct Injection (DDI), Charged Air Cooler (CAC), Exhaust Gas Recirculation (EGR), Electronic Control Module (ECM), Turbocharger (TC), Diesel Oxidation Catalyst (DOC), Periodic Trap Oxidizer (PTOX), Selective Catalytic Reduction – Urea (SCR-U), 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/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	*	*	*	0.01	*	*	*
	NTE	0.28	0.60	4.4	0.02	*	*	*

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 21st day of August 2023.



Robin U. Lang, Chief
Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: RJDXL13.5310 EO Number: U-R-004-0669 Date Applicable: 07/28/2023

Model	Code	Trim	Config	Displacement	Peak Power			Peak Torque			ECS Num	GHG	Notes
					Power	Speed	Fueling	Torque	Speed	Fueling			
-	-	-	-	Liters	kilowatt	rpm	mm3/stroke	N-m	rpm	mm3/stroke	-	-	-
6135	6135CI550A		I-6	13.5	460	1900	339.2	2750	1550	386.1	1	N/A	
6135	6135CI550B		I-6	13.5	432	1700	337.2	2640	1550	363.2	1	N/A	
6135	6135CI550C		I-6	13.5	459	1900	340.8	2640	1550	362.9	1	N/A	
6135	6135CI550D		I-6	13.5	409	1700	322	2520	1550	347.8	1	N/A	
6135	6135CI550E		I-6	13.5	439	1900	320.8	2520	1550	345.6	1	N/A	
6135	6135CI550F		I-6	13.5	394	1700	307.2	2397	1550	328.6	1	N/A	
6135	6135CI550G		I-6	13.5	418	1900	300.4	2397	1550	328.2	1	N/A	
6135	6135CI550H		I-6	13.5	355	1700	263.8	2160	1550	292.9	1	N/A	
6135	6135CI550I		I-6	13.5	376	1900	265.6	2160	1550	293.7	1	N/A	
6135	6135CI550J		I-6	13.5	335	1700	232.7	2037	1550	277.8	1	N/A	
6135	6135CI550K		I-6	13.5	361	1900	254.8	2037	1550	277.9	1	N/A	
6135	6135CI550L		I-6	13.5	326	1700	229	1986	1550	271.7	1	N/A	
6135	6135CI550M		I-6	13.5	352	1900	247.8	1985	1550	270.6	1	N/A	
6135	6135HDW20		I-6	13.5	460	2000	322.1	2750	1550	381.3	1	N/A	
6135	6135HDW21		I-6	13.5	460	2100	313.4	2750	1550	381.3	1	N/A	
6135	6135HDW22		I-6	13.5	460	1800	344.1	2750	1550	383.5	1	N/A	
6135	6135HFG09-A		I-6	13.5	473	1800	361	2509	1800	361	1	N/A	
6135	6135HFG09-B		I-6	13.5	411	1800	306	2180	1800	306	1	N/A	
6135	6135HFG09-C		I-6	13.5	356	1800	265	1889	1800	265	1	N/A	
6135	6135HH011		I-6	13.5	460	1900	320.6	2750	1550	405	1	N/A	
6135	6135HPRNT3		I-6	13.5	499	1725	383	2920	1550	410	1	N/A	
6135	6135HT011		I-6	13.5	460	1900	340.8	2750	1550	381.3	1	N/A	
6135	6135HZ022		I-6	13.5	460	1900	340.8	2750	1550	405	1	N/A	