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	RYDXL03.3NLA	Diesel	Dedicated	Diesel	Variable and Constant Speed

Emission Control Systems	Special Features
[1]: Electronic Control Module (ECM), Exhaust Gas Recirculation (EGR), Direct Fuel Injection (DFI), Periodic Trap Oxidizer (PTOX), Oxidation Catalyst (OC)	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 hydrocarbon plus oxides of nitrogen (NMHC+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 37 ≤ kW < 56	STD	4.7	5.0	0.03	*	*	*
	FEL	*	*	*	*	*	*
	NTE	5.9	6.2	0.04	*	*	*

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 28th day of June 2024.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

ATTACHMENT: ENGINE MODELS

Family: RYDXL03.3NLA EO Number: U-R-028-1136 Date Applicable: 6/20/2024

					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	-	-	-
4TNMPY	N/A	0100	I4	3.319	73.7	2600	50	177.8	1690	57.4	1	N/A	
4TNMPY	N/A	0101	I4	3.319	73.7	2600	50	177.8	1690	57.4	1	N/A	
4TNMPY	N/A	0102	I4	3.319	73.7	2600	50	177.8	1690	57.4	1	N/A	
4TNMPY	N/A	0103	I4	3.319	73.7	2600	50	177.8	1690	57.4	1	N/A	
4TNMAY	N/A	0200	I4	3.319	72	2600	48.5	173.3	1690	55	1	N/A	
4TNMAY	N/A	0201	I4	3.319	72	2600	48.5	173.3	1690	55	1	N/A	
4TNMAY	N/A	0202	I4	3.319	72	2600	48.5	173.3	1690	55	1	N/A	
4TNMAY	N/A	0203	I4	3.319	72	2600	48.5	173.3	1690	55	1	N/A	
4TNMAY	N/A	0300	I4	3.319	72	2600	48.5	173.3	1690	55	1	N/A	
4TNMAY	N/A	0301	I4	3.319	72	2600	48.5	173.3	1690	55	1	N/A	
4TNMAY	N/A	0302	I4	3.319	72	2600	48.5	173.3	1690	55	1	N/A	
4TNMAY	N/A	0303	I4	3.319	72	2600	48.5	173.3	1690	55	1	N/A	
4TNNAY	N/A	0400	I4	3.319	69.3	2500	48.3	173.3	1625	55	1	N/A	
4TNNAY	N/A	0401	I4	3.319	69.3	2500	48.3	173.3	1625	55	1	N/A	
4TNNAY	N/A	0402	I4	3.319	69.3	2500	48.3	173.3	1625	55	1	N/A	
4TNNAY	N/A	0403	I4	3.319	69.3	2500	48.3	173.3	1625	55	1	N/A	
4TNNAY	N/A	0500	I4	3.319	69.3	2500	48.3	173.3	1625	55	1	N/A	
4TNNAY	N/A	0501	I4	3.319	69.3	2500	48.3	173.3	1625	55	1	N/A	
4TNNAY	N/A	0502	I4	3.319	69.3	2500	48.3	173.3	1625	55	1	N/A	
4TNNAY	N/A	0503	I4	3.319	69.3	2500	48.3	173.3	1625	55	1	N/A	
4TNPAY	N/A	0600	I4	3.319	66.9	2400	48.2	173.3	1560	55	1	N/A	
4TNPAY	N/A	0601	I4	3.319	66.9	2400	48.2	173.3	1560	55	1	N/A	
4TNPAY	N/A	0602	I4	3.319	66.9	2400	48.2	173.3	1560	55	1	N/A	
4TNPAY	N/A	0603	I4	3.319	66.9	2400	48.2	173.3	1560	55	1	N/A	
4TNPAY	N/A	0700	I4	3.319	66.9	2400	48.2	173.3	1560	55	1	N/A	
4TNPAY	N/A	0701	I4	3.319	66.9	2400	48.2	173.3	1560	55	1	N/A	
4TNPAY	N/A	0702	I4	3.319	66.9	2400	48.2	173.3	1560	55	1	N/A	
4TNPAY	N/A	0703	I4	3.319	66.9	2400	48.2	173.3	1560	55	1	N/A	
4TNQAY	N/A	0800	I4	3.319	64.5	2300	48.1	173.3	1495	55	1	N/A	
4TNQAY	N/A	0801	I4	3.319	64.5	2300	48.1	173.3	1495	55	1	N/A	
4TNQAY	N/A	0802	I4	3.319	64.5	2300	48.1	173.3	1495	55	1	N/A	
4TNQAY	N/A	0803	I4	3.319	64.5	2300	48.1	173.3	1495	55	1	N/A	
4TNQAY	N/A	0900	I4	3.319	64.5	2300	48.1	173.3	1495	55	1	N/A	
4TNQAY	N/A	0901	I4	3.319	64.5	2300	48.1	173.3	1495	55	1	N/A	
4TNQAY	N/A	0902	I4	3.319	64.5	2300	48.1	173.3	1495	55	1	N/A	
4TNQAY	N/A	0903	I4	3.319	64.5	2300	48.1	173.3	1495	55	1	N/A	
4TNSAY	N/A	1000	I4	3.319	61.9	2200	48.1	173.3	1430	55	1	N/A	
4TNSAY	N/A	1001	I4	3.319	61.9	2200	48.1	173.3	1430	55	1	N/A	
4TNSAY	N/A	1002	I4	3.319	61.9	2200	48.1	173.3	1430	55	1	N/A	
4TNSAY	N/A	1003	I4	3.319	61.9	2200	48.1	173.3	1430	55	1	N/A	
4TNSAY	N/A	1100	I4	3.319	61.9	2200	48.1	173.3	1430	55	1	N/A	
4TNSAY	N/A	1101	I4	3.319	61.9	2200	48.1	173.3	1430	55	1	N/A	

ATTACHMENT: ENGINE MODELS

Family: RYDXL03.3NLA EO Number: U-R-028-1136 Date Applicable: 6/20/2024

					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	-	-	-
4TNSAY	N/A	1102	I4	3.319	61.9	2200	48.1	173.3	1430	55	1	N/A	
4TNSAY	N/A	1103	I4	3.319	61.9	2200	48.1	173.3	1430	55	1	N/A	
4TNVAY	N/A	1200	I4	3.319	59.4	2100	48	173.3	1365	55	1	N/A	
4TNVAY	N/A	1201	I4	3.319	59.4	2100	48	173.3	1365	55	1	N/A	
4TNVAY	N/A	1202	I4	3.319	59.4	2100	48	173.3	1365	55	1	N/A	
4TNVAY	N/A	1203	I4	3.319	59.4	2100	48	173.3	1365	55	1	N/A	
4TNVAY	N/A	1300	I4	3.319	59.4	2100	48	173.3	1365	55	1	N/A	
4TNVAY	N/A	1301	I4	3.319	59.4	2100	48	173.3	1365	55	1	N/A	
4TNVAY	N/A	1302	I4	3.319	59.4	2100	48	173.3	1365	55	1	N/A	
4TNVAY	N/A	1303	I4	3.319	59.4	2100	48	173.3	1365	55	1	N/A	
4TNWAY	N/A	1400	I4	3.319	56.9	2000	47.5	173.3	1300	55	1	N/A	
4TNWAY	N/A	1401	I4	3.319	56.9	2000	47.5	173.3	1300	55	1	N/A	
4TNWAY	N/A	1402	I4	3.319	56.9	2000	47.5	173.3	1300	55	1	N/A	
4TNWAY	N/A	1403	I4	3.319	56.9	2000	47.5	173.3	1300	55	1	N/A	
4TNWAY	N/A	1500	I4	3.319	56.9	2000	47.5	173.3	1300	55	1	N/A	
4TNWAY	N/A	1501	I4	3.319	56.9	2000	47.5	173.3	1300	55	1	N/A	
4TNWAY	N/A	1502	I4	3.319	56.9	2000	47.5	173.3	1300	55	1	N/A	
4TNWAY	N/A	1503	I4	3.319	56.9	2000	47.5	173.3	1300	55	1	N/A	
4TNNCY	N/A	1600	I4	3.319	58.9	2500	41.3	146.7	1625	45.4	1	N/A	
4TNNCY	N/A	1601	I4	3.319	58.9	2500	41.3	146.7	1625	45.4	1	N/A	
4TNNCY	N/A	1602	I4	3.319	58.9	2500	41.3	146.7	1625	45.4	1	N/A	
4TNNCY	N/A	1603	I4	3.319	58.9	2500	41.3	146.7	1625	45.4	1	N/A	
4TNNCY	N/A	1700	I4	3.319	58.9	2500	41.3	146.7	1625	45.4	1	N/A	
4TNNCY	N/A	1701	I4	3.319	58.9	2500	41.3	146.7	1625	45.4	1	N/A	
4TNNCY	N/A	1702	I4	3.319	58.9	2500	41.3	146.7	1625	45.4	1	N/A	
4TNNCY	N/A	1703	I4	3.319	58.9	2500	41.3	146.7	1625	45.4	1	N/A	
4TNVFY	N/A	1800	I4	3.319	59.4	2100	48	173.3	1365	55	1	N/A	
4TNVFY	N/A	1801	I4	3.319	59.4	2100	48	173.3	1365	55	1	N/A	
4TNVFY	N/A	1802	I4	3.319	59.4	2100	48	173.3	1365	55	1	N/A	
4TNVFY	N/A	1803	I4	3.319	59.4	2100	48	173.3	1365	55	1	N/A	
4TNWFY	N/A	1900	I4	3.319	56.9	2000	47.5	173.3	1300	55	1	N/A	
4TNWFY	N/A	1901	I4	3.319	56.9	2000	47.5	173.3	1300	55	1	N/A	
4TNWFY	N/A	1902	I4	3.319	56.9	2000	47.5	173.3	1300	55	1	N/A	
4TNWFY	N/A	1903	I4	3.319	56.9	2000	47.5	173.3	1300	55	1	N/A	