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	RCPXL09.3HTF	Diesel	Dedicated	Diesel	Variable 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). [2]: 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). [3]: 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 28th day of April 2023.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

Attachment: Engine Models **EO #:** UR-001-0677 **Family:** RCPXL09.3HTF **Date Applicable:** 4/12/2023

Model	Code	Trim	Config	Displacement	Displacement - Units	Peak Power	Peak Power - Units	Peak Power - Speed (rpm)	Peak Power - Fueling	Peak Power - Fuel Units	Peak Torque	Peak Torque - Units	Peak Torque - Speed (rpm)	Peak Torque - Fuel	Peak Torque - Fuel Units	OBD Status	OBD Fines ($)	GHG	ECS #	Notes
C9.3	Cert Test 1	NA	I6	9.28	Liters	325	horsepower	1800	116.3	lb/hr	1260	lb-ft	1200	98.1	lb/hr	N/A	N/A	N/A	3	
C9.3	1	NA	I6	9.28	Liters	268	horsepower	2150	100	lb/hr	881	lb-ft	1400	81.2	lb/hr	N/A	N/A	N/A	1	
C9.3	2	NA	I6	9.28	Liters	299	horsepower	2200	109.9	lb/hr	1006	lb-ft	1400	88.4	lb/hr	N/A	N/A	N/A	1	
C9.3	3	NA	I6	9.28	Liters	325	horsepower	2200	119.7	lb/hr	1090	lb-ft	1400	97.3	lb/hr	N/A	N/A	N/A	1	
C9.3	4	NA	I6	9.28	Liters	349	horsepower	2200	129.9	lb/hr	1174	lb-ft	1400	105.4	lb/hr	N/A	N/A	N/A	1	
C9.3	5	NA	I6	9.28	Liters	388	horsepower	2200	142.5	lb/hr	1269	lb-ft	1400	113.1	lb/hr	N/A	N/A	N/A	1	
C9.3	6	NA	I6	9.28	Liters	232	horsepower	2000	87	lb/hr	850	lb-ft	1000	55.8	lb/hr	N/A	N/A	N/A	1	
C9.3	6A	NA	I6	9.28	Liters	232	horsepower	2000	87	lb/hr	850	lb-ft	1000	55.8	lb/hr	N/A	N/A	N/A	1	
C9.3	6B	NA	I6	9.28	Liters	232	horsepower	2000	87	lb/hr	850	lb-ft	1400	55.8	lb/hr	N/A	N/A	N/A	1	
C9.3	7	NA	I6	9.28	Liters	253	horsepower	2000	93.3	lb/hr	930	lb-ft	1000	61.6	lb/hr	N/A	N/A	N/A	1	
C9.3	7A	NA	I6	9.28	Liters	253	horsepower	2000	93.3	lb/hr	930	lb-ft	1000	61.6	lb/hr	N/A	N/A	N/A	1	
C9.3	7B	NA	I6	9.28	Liters	253	horsepower	2000	93.3	lb/hr	930	lb-ft	1000	61.6	lb/hr	N/A	N/A	N/A	1	
C9.3	7C	NA	I6	9.28	Liters	253	horsepower	2000	93.3	lb/hr	930	lb-ft	1000	61.6	lb/hr	N/A	N/A	N/A	1	
C9.3	8	NA	I6	9.28	Liters	274	horsepower	2000	98.4	lb/hr	1010	lb-ft	1000	66.2	lb/hr	N/A	N/A	N/A	1	
C9.3	8A	NA	I6	9.28	Liters	274	horsepower	2000	98.4	lb/hr	1010	lb-ft	1000	66.2	lb/hr	N/A	N/A	N/A	1	
C9.3	8B	NA	I6	9.28	Liters	274	horsepower	2000	98.4	lb/hr	1010	lb-ft	1000	66.2	lb/hr	N/A	N/A	N/A	1	
C9.3	9	NA	I6	9.28	Liters	295	horsepower	2000	104.9	lb/hr	1090	lb-ft	1000	71.2	lb/hr	N/A	N/A	N/A	1	
C9.3	10	NA	I6	9.28	Liters	296	horsepower	2200	114.2	lb/hr	1166	lb-ft	1200	88.7	lb/hr	N/A	N/A	N/A	1	
C9.3	11	NA	I6	9.28	Liters	299	horsepower	2200	115.8	lb/hr	1261	lb-ft	1200	96.4	lb/hr	N/A	N/A	N/A	1	
C9.3	12	NA	I6	9.28	Liters	303	horsepower	2050	109.4	lb/hr	1263	lb-ft	1200	97.1	lb/hr	N/A	N/A	N/A	1	
C9.3	13	NA	I6	9.28	Liters	314	horsepower	1800	111	lb/hr	1154	lb-ft	1300	96.6	lb/hr	N/A	N/A	N/A	1	
C9.3	14	NA	I6	9.28	Liters	221	horsepower	2000	83.2	lb/hr	1022	lb-ft	1100	74.4	lb/hr	N/A	N/A	N/A	2	
C9.3	14A	NA	I6	9.28	Liters	221	horsepower	2000	83.2	lb/hr	1022	lb-ft	1100	74.4	lb/hr	N/A	N/A	N/A	2	
C9.3	15	NA	I6	9.28	Liters	311	horsepower	1800	110	lb/hr	1029	lb-ft	1400	93.9	lb/hr	N/A	N/A	N/A	2	
C9.3	15A	NA	I6	9.28	Liters	311	horsepower	1800	110	lb/hr	1029	lb-ft	1400	93.9	lb/hr	N/A	N/A	N/A	2	
C9.3	16	NA	I6	9.28	Liters	325	horsepower	1800	115.6	lb/hr	1262	lb-ft	1200	97.4	lb/hr	N/A	N/A	N/A	1	
C9.3	17	NA	I6	9.28	Liters	325	horsepower	1800	115.6	lb/hr	1262	lb-ft	1200	97.4	lb/hr	N/A	N/A	N/A	1	
C9.3	18	NA	I6	9.28	Liters	221	horsepower	2000	83.2	lb/hr	1022	lb-ft	1100	74.4	lb/hr	N/A	N/A	N/A	2	
C9.3	19	NA	I6	9.28	Liters	224	horsepower	2200	82.6	lb/hr	1103	lb-ft	1200	85.4	lb/hr	N/A	N/A	N/A	2	
C9.3	20	NA	I6	9.28	Liters	325	horsepower	2000	113.3	lb/hr	1094	lb-ft	1400	98	lb/hr	N/A	N/A	N/A	1	
C9.3	21	NA	I6	9.28	Liters	311	horsepower	1800	110	lb/hr	1029	lb-ft	1400	93.9	lb/hr	N/A	N/A	N/A	2	
C9.3	22	NA	I6	9.28	Liters	307	horsepower	2050	114.8	lb/hr	1712	lb-ft	1200	97.3	lb/hr	N/A	N/A	N/A	1	
C9.3	23	NA	I6	9.28	Liters	299	horsepower	2200	115.8	lb/hr	1710	lb-ft	1200	96.4	lb/hr	N/A	N/A	N/A	1	