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	RCPXL18.1HTF	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 #:** U-R-001-0682 **Family:** RCPXL18.1HTF **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
C18	Cert Test 1	NA	I6	18.13	Liters	552	horsepower	1900	214.8	lb/hr	2248	lb-ft	1300	188.4	lb/hr	N/A	N/A	N/A	3	
C18	1	NA	I6	18.13	Liters	552	horsepower	1900	214.8	lb/hr	2248	lb-ft	1300	188.4	lb/hr	N/A	N/A	N/A	1	
C18	2	NA	I6	18.13	Liters	552	horsepower	1900	214.8	lb/hr	2248	lb-ft	1300	188.4	lb/hr	N/A	N/A	N/A	1	
C18	2A	NA	I6	18.13	Liters	552	horsepower	1900	214.8	lb/hr	2248	lb-ft	1300	188.4	lb/hr	N/A	N/A	N/A	1	
C18	3	NA	I6	18.13	Liters	527	horsepower	1700	183.6	lb/hr	2201	lb-ft	1200	166.7	lb/hr	N/A	N/A	N/A	1	
C18	3A	NA	I6	18.13	Liters	527	horsepower	1700	183.6	lb/hr	2201	lb-ft	1200	166.7	lb/hr	N/A	N/A	N/A	1	
C18	4	NA	I6	18.13	Liters	574	horsepower	2000	206	lb/hr	1983	lb-ft	1300	165.7	lb/hr	N/A	N/A	N/A	1	
C18	4A	NA	I6	18.13	Liters	574	horsepower	2000	206	lb/hr	1983	lb-ft	1300	165.7	lb/hr	N/A	N/A	N/A	1	
C18	5	NA	I6	18.13	Liters	598	horsepower	2000	216	lb/hr	2069	lb-ft	1300	173.1	lb/hr	N/A	N/A	N/A	1	
C18	5A	NA	I6	18.13	Liters	598	horsepower	2000	216	lb/hr	2069	lb-ft	1300	173.1	lb/hr	N/A	N/A	N/A	1	
C18	6	NA	I6	18.13	Liters	629	horsepower	2000	230.5	lb/hr	2173	lb-ft	1300	182.8	lb/hr	N/A	N/A	N/A	1	
C18	6A	NA	I6	18.13	Liters	629	horsepower	2000	230.5	lb/hr	2173	lb-ft	1300	182.8	lb/hr	N/A	N/A	N/A	1	
C18	7	NA	I6	18.13	Liters	570	horsepower	1900	211.2	lb/hr	2200	lb-ft	1200	166.4	lb/hr	N/A	N/A	N/A	1	
C18	8	NA	I6	18.13	Liters	460	horsepower	1800	163.9	lb/hr	1823	lb-ft	1250	146.1	lb/hr	N/A	N/A	N/A	2	
C18	9	NA	I6	18.13	Liters	543	horsepower	1900	201.2	lb/hr	1817	lb-ft	1400	162.2	lb/hr	N/A	N/A	N/A	2	
C18	10	NA	I6	18.13	Liters	481	horsepower	1900	175.4	lb/hr	1910	lb-ft	1200	145.3	lb/hr	N/A	N/A	N/A	2	
C18	11	NA	I6	18.13	Liters	629	horsepower	1900	225.1	lb/hr	2172	lb-ft	1300	182.7	lb/hr	N/A	N/A	N/A	1	
C18	11A	NA	I6	18.13	Liters	629	horsepower	1900	225.1	lb/hr	2172	lb-ft	1300	182.7	lb/hr	N/A	N/A	N/A	1	
C18	12	NA	I6	18.13	Liters	554	horsepower	1900	206.3	lb/hr	2020	lb-ft	1300	166.5	lb/hr	N/A	N/A	N/A	2	
2806F	13	NA	I6	18.13	Liters	574	horsepower	2000	206	lb/hr	1983	lb-ft	1300	165.7	lb/hr	N/A	N/A	N/A	1	
2806J	13A	NA	I6	18.13	Liters	574	horsepower	2000	206	lb/hr	1983	lb-ft	1300	165.7	lb/hr	N/A	N/A	N/A	1	
2806F	14	NA	I6	18.13	Liters	598	horsepower	2000	216	lb/hr	2069	lb-ft	1300	173.1	lb/hr	N/A	N/A	N/A	1	
2806J	14A	NA	I6	18.13	Liters	598	horsepower	2000	216	lb/hr	2069	lb-ft	1300	173.1	lb/hr	N/A	N/A	N/A	1	
2806F	15	NA	I6	18.13	Liters	629	horsepower	2000	230.5	lb/hr	2173	lb-ft	1300	182.8	lb/hr	N/A	N/A	N/A	1	
2806J	15A	NA	I6	18.13	Liters	629	horsepower	2000	230.5	lb/hr	2173	lb-ft	1300	182.8	lb/hr	N/A	N/A	N/A	1	
C18	16	NA	I6	18.13	Liters	481	horsepower	1900	175.4	lb/hr	1910	lb-ft	1200	145.3	lb/hr	N/A	N/A	N/A	2	
C18	17	NA	I6	18.13	Liters	527	horsepower	1700	183.6	lb/hr	2201	lb-ft	1200	166.7	lb/hr	N/A	N/A	N/A	1	
C18	17A	NA	I6	18.13	Liters	527	horsepower	1700	183.6	lb/hr	2201	lb-ft	1200	166.7	lb/hr	N/A	N/A	N/A	1	
C18	18	NA	I6	18.13	Liters	543	horsepower	1900	201.2	lb/hr	1817	lb-ft	1400	162.2	lb/hr	N/A	N/A	N/A	2	
C18	19	NA	I6	18.13	Liters	629	horsepower	2000	230.5	lb/hr	2173	lb-ft	1300	182.8	lb/hr	N/A	N/A	N/A	1	
C18	19A	NA	I6	18.13	Liters	629	horsepower	2000	230.5	lb/hr	2173	lb-ft	1300	182.8	lb/hr	N/A	N/A	N/A	1	
C18	20	NA	I6	18.13	Liters	468	horsepower	1750	163	lb/hr	2010	lb-ft	1300	163.4	lb/hr	N/A	N/A	N/A	2	
C18	20A	NA	I6	18.13	Liters	468	horsepower	1750	163	lb/hr	2010	lb-ft	1300	163.4	lb/hr	N/A	N/A	N/A	2	
C18	21	NA	I6	18.13	Liters	570	horsepower	1900	211.2	lb/hr	2200	lb-ft	1200	166.4	lb/hr	N/A	N/A	N/A	1	
C18	22	NA	I6	18.13	Liters	629	horsepower	2000	230.5	lb/hr	2173	lb-ft	1300	182.8	lb/hr	N/A	N/A	N/A	1	