

Pursuant to the authority vested in California Air Resources Board by the 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: That the following new large spark-ignition engines and emission control systems produced by the manufacturer are certified for use in off-road equipment as described below. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	FUEL TYPE		
2024	RPOLB01.5RFC	Gasoline		
DURABILITY HOURS	EMISSION CONTROL SYSTEMS & SPECIAL FEATURES	EQUIPMENT APPLICATION		
1500	Three-Way Catalytic Converter (TWC), Heated Oxygen Sensors (HO2S), Sequential Multiport Fuel Injection (SFI)	Other		

Engines certified by this Executive Order are further described in Attachment.

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust certification emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2433 and Section 1048.101(d) of the "California Exhaust and Evaporative Emission Standards and Test Procedures for New 2010 and Later Off-Road Large Spark-ignition Engines (2010 and Later Test Procedure 1048)," adopted March 2, 2007) and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr). Engines within this engine family shall have closed crankcases in conformance with 13 CCR Section 2433(b)(3).

	HC+NOx (g/kW-hr)	CO (g/kW-hr)		
EXHAUST STANDARD	2.7	31.0		
CERTIFICATION LEVEL	1.0	7.1		

The following is the evaporative hydrocarbon emission standard (13 CCR Section 2433(b)(4)) and certification emission level for this engine family in grams per gallon of fuel tank capacity (g/gallon).

EVAPORATIVE CERTIFICATION METHOD	HC CERTIFICATION LEVEL (g/gallon)	HC CERTIFICATION STANDARD (g/gallon)		
Performance Based	0.03	0.2		

^{*}not applicable

BE IT FURTHER RESOLVED: That for the listed engines for the aforementioned model-year, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2433(c) (certification and test procedures), 13 CCR Section 2434 and Section 1048.135(c) of the "California Exhaust and Evaporative Emission Standards and Test Procedures for New 2010 and Later Off-Road Large Spark-ignition Engines (2010 and Later Test Procedure 1048)," adopted March 2, 2007 (emission control labels), and 13 CCR Sections 2435 and 2436 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed on this 3rd day of August 2023.

Robin U. Lang, Chief

Johns Sahi for

Emissions Certification and Compliance Division

Date: __5/18/23 Engine Family: ___RPOLB01.5RFC For CARB Use Only
Executive Order: U-L-031-0007
Attachment __1__of__1__

Model Summary: Ranger XD 1500 Premium, Ranger XD 1500 NorthStar Premium, Ranger XD 1500 NorthStar Ultimate, Ranger CREW XD 1500 Premium, Ranger CREW XD 1500 NorthStar Premium, Ranger CREW XD 1500 NorthStar Ultimate*. (Use an asterisk (*) to identify worst-case engine model used for certification testing.)

S13. S14. Engine Model Engine Code		S15. Sales Codes (Check all appropriate)							
	CA Only	49-State	50-State	S16. Engine Displacement (Liters)	S17. Rated Power (kW)	S18. Rated Speed (RPM)	S19. Peak Torque (FT-LB)	S20. Peak Torque Speed (RPM)	
1500-LR NON-HVAC 49S	1209053	N/A	х		1.5 L	81.3 kW	6000	103	4799
1500-LR HVAC 49S	1209054	N/A	х		1.5 L	81.3 kW	6000	103	4799
1500-LR NON-HVAC 50S	1209149	N/A		х	1.5 L	81.3 kW	6000	103	4799
1500-LR HVAC 50S	1209150	N/A		Х	1.5 L	81.3 kW	6000	103	4799