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	RCEXL06.7AAK	Diesel	Dedicated	Diesel	Variable and Constant Speed

Emission Control Systems	Special Features
[1]: Electronic Direct Injection (EDI), Electronic Control Module (ECM), Turbocharger (TC), Charged Air Cooler (CAC), Selective Catalytic Reduction – Urea (SCR-U), Ammonia Oxidation Catalyst (AMOX), Exhaust Gas Recirculation (EGR), Diesel Oxidation Catalyst (DOC)	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	*	*	*	*	*	*	*
	NTE	0.28	0.60	4.4	0.03	*	*	*

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: That the manufacturer has elected to combine engines from the 75 ≤ kW ≤ 560 power categories into a single engine family. The listed engine models comply with the more stringent set of standards of the 130 ≤ kW ≤ 560 power category in accordance with Section 1039.230(e) of 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 15th day of June 2023.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

Attachment: Engine Models **EO #:** U-R-002-0853 **Family:** RCEXL06.7AAK **Date Applicable:** 6/5/2023

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
QSB6.7	OB1		I6	6.7	Liters	300	horsepower	2500	149	mm3/stroke	770	lb-ft	1500	77	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB2		I6	6.7	Liters	275	horsepower	2500	120	mm3/stroke	730	lb-ft	1500	69	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB3		I6	6.7	Liters	260	horsepower	2500	124	mm3/stroke	730	lb-ft	1500	69	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB4		I6	6.7	Liters	225	horsepower	2500	101	mm3/stroke	655	lb-ft	1500	62	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB5		I6	6.7	Liters	196	horsepower	2300	92	mm3/stroke	590	lb-ft	1500	55	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB6		I6	6.7	Liters	260	horsepower	2200	137	mm3/stroke	730	lb-ft	1500	69	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB7		I6	6.7	Liters	250	horsepower	2200	117	mm3/stroke	730	lb-ft	1500	69	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB8		I6	6.7	Liters	225	horsepower	2200	115	mm3/stroke	700	lb-ft	1500	66	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB9		I6	6.7	Liters	225	horsepower	2200	115	mm3/stroke	770	lb-ft	1500	77	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB10		I6	6.7	Liters	200	horsepower	2200	94	mm3/stroke	685	lb-ft	1500	65	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB11		I6	6.7	Liters	250	horsepower	2000	127	mm3/stroke	730	lb-ft	1500	69	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB12		I6	6.7	Liters	225	horsepower	2000	115	mm3/stroke	700	lb-ft	1500	66	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB13		I6	6.7	Liters	190	horsepower	2000	96	mm3/stroke	590	lb-ft	1500	56	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB14		I6	6.7	Liters	215	horsepower	1800	119	mm3/stroke	700	lb-ft	1500	60	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB15		I6	6.7	Liters	250	horsepower	2000	127	mm3/stroke	730	lb-ft	1500	69	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB16		I6	6.7	Liters	225	horsepower	2200	115	mm3/stroke	770	lb-ft	1500	77	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB17		I6	6.7	Liters	225	horsepower	2000	112	mm3/stroke	591	lb-ft	1500	66	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB18		I6	6.7	Liters	173	horsepower	2300	82	mm3/stroke	620	lb-ft	1500	60	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB19		I6	6.7	Liters	164	horsepower	2300	79	mm3/stroke	540	lb-ft	1500	51	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB20		I6	6.7	Liters	173	horsepower	2200	84	mm3/stroke	620	lb-ft	1500	60	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB21		I6	6.7	Liters	155	horsepower	2200	77	mm3/stroke	496	lb-ft	1500	47	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB22		I6	6.7	Liters	173	horsepower	2100	85	mm3/stroke	620	lb-ft	1500	60	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB23		I6	6.7	Liters	158	horsepower	2100	81	mm3/stroke	620	lb-ft	1500	60	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB24		I6	6.7	Liters	146	horsepower	2100	75	mm3/stroke	620	lb-ft	1500	60	lb/hr	N/A	N/A	N/A	1	
QSB6.7	OB25		I6	6.7	Liters	173	horsepower	2200	85	mm3/stroke	560	lb-ft	1500	57	lb/hr	N/A	N/A	N/A	1	