None

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	RKBXL01.5BCB	Diesel	Dedicated	Diesel	Variable and Constant Speed				
Emission Control Systems									

[1].	Indiract E		ioction /	<b>`</b>
11.	Indirect F	uer m	ection	)

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 kilowatthour (g/kWh-hr) and percent opacity (%opacity), respectively, except as noted, or designated as not applicable (\*).

	Crit	Smoke Opacity					
Applicable Standard	NMHC+NOx	со	PM	ACL	LUG	PEAK	
	STD	7.5	6.6	0.40	20	15	50
Tier 4 Final 8 ≤ kW < 19	FEL	*	*	*	*	*	*
0 = KW 4 10	NTE	9.4	8.2	0.50	*	*	*

**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 16th day of October 2023.

Kim Yacouhian for

Robin U Lang, Chief Emissions Certification and Compliance Division

## ATTACHMENT: ENGINE MODELS

Family: RKBXL01.5BCB	EO Number: U-R-025-1125	Date Applicable: 10/6/2023
ranny. nacor.sbeb		

					Peak Power			Peak Torque					
Model	Code	Trim	Config	Displacement	Power	Speed	Fueling	Torque	Speed	Fueling	ECS Num	GHG	Notes
-	-	-	-	L	kW	rpm	mm3/stroke	N-m	rpm	mm3/stroke	-	-	-
D1.1A-EF	D1.1A-EF07	N/A	13	1.124	15.4	2400	22.2	70.3	1600	25.4	1	N/A	
D1105-EF	D1105-EF01	N/A	13	1.124	18.2	3000	22.3	72.9	1800	26	1	N/A	
D1105-EF	D1105-EF02	N/A	13	1.124	18.2	3000	22.3	70.4	2200	25.4	1	N/A	
D1105-EF	D1105-EF02e	N/A	13	1.124	18.2	3000	22.3	70.4	2200	25.4	1	N/A	
D1105-EF	D1105-EF03	N/A	13	1.124	17.8	2800	22.9	71.3	1900	25.4	1	N/A	
D1105-EF	D1105-EF04	N/A	13	1.124	16.6	2700	21.9	67.5	1900	24.2	1	N/A	
D1105-EF	D1105-EF05	N/A	13	1.124	16.1	2600	21.7	70.6	1700	25.5	1	N/A	
D1105-EF	D1105-EF06	N/A	13	1.124	15.7	2500	21.9	70.2	1700	25.4	1	N/A	
D1105-EF	D1105-EF06e	N/A	13	1.124	15.7	2500	21.9	70.2	1700	25.4	1	N/A	
D1105-EF	D1105-EF07	N/A	13	1.124	15.4	2400	22.2	70.3	1600	25.4	1	N/A	
D1105-EF	D1105-EF07e	N/A	13	1.124	15.4	2400	22.2	70.3	1600	25.4	1	N/A	
D1105-EF	D1105-EF08	N/A	13	1.124	14	2250	21.4	67.8	1500	24.6	1	N/A	
D1105-EF	D1105-EF09	N/A	13	1.124	14	2200	21.9	70.3	1600	25.4	1	N/A	
D1105-EF	D1105-EF10	N/A	13	1.124	12.4	1800	23.6	65.8	1800	23.6	1	N/A	
D1105-EF	D1105-EF11	N/A	13	1.124	14.4	2500	20.6	67.1	1700	24	1	N/A	
V1505-EF	V1505-EF01	N/A	14	1.498	18.2	2300	20.4	91.2	1700	24	1	N/A	
V1505-EF	V1505-EF01e	N/A	14	1.498	18.2	2300	20.4	91.2	1700	24	1	N/A	
V1505-EF	V1505-EF02	N/A	14	1.498	17.9	2250	20.6	87.2	1700	22.8	1	N/A	
V1505-EF	V1505-EF03	N/A	14	1.498	16.5	1900	22.3	87.3	1500	23.3	1	N/A	
V1505-EF	V1505-EF04	N/A	14	1.498	18.1	2250	20.9	88.1	1700	23.1	1	N/A	