Pursuant to the authority vested in California Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below 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	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)					
2021	MKBXL01.8EMD	1.826	Diesel	5000					
SPECIAL	FEATURES & EMISSION C	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION						
Cooler,	Direct Injection, Turbo Electronic Control Mod circulation, Diesel Oxida	lule, Exhaust Gas	Loader, Tractor, Pump, Compressor, Asphalt Finisher, Carrier, Construction Machinery, Forklift, Garden Tractor, Mini Backhoe, Mower, Roller, Skid Steer Loader, Nonroad Sweeper, Wood Chipper, Lift, Other Industrial Equipment						

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED	EMISSION				EXHAUST (g/kw-l		OPACITY (%)			
POWER CLASS	STANDARD CATEGORY		NMHC NOx		NMHC+NOx	со	РМ	ACCEL	LUG	PEAK
19 ≤ kW < 37	Tier 4 Final	STD	N/A	N/A	4.7	5.5	0.03	N/A	N/A	N/A
		CERT			3.9	0.5	0.02			

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (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 25th day of November 2020.

Allen/Lyons, Chief Emissions Certification and Compliance Division

					Displacement -		Peak Power -	Peak Power -	Peak Power -	Peak Power -		Peak Torque -	Peak Torque -	Peak Torque -	Peak Torque -				
lodel	Code	Trim	Config	Displacement	Units	Peak Power	Units	Speed (rpm)	Fueling	Fuel Units	Peak Torque	Units	Speed (rpm)	Fuel	Fuel Units	OBD	GHG	Special	Notes
1803-CR-TI-EF	D1803-CR-TI-EF01		I-3	1.826	Liters	36.5	kilowatt	2700	43	mm3/stroke	160	N-m	1600	48	mm3/stroke	N/A	N/A	N/A	N/A
1803-CR-TI-EF	D1803-CR-TI-EF02		I-3	1.826	Liters	36.5	kilowatt	2700	44.5	mm3/stroke	148.3	N-m	1600	45.4	mm3/stroke	N/A	N/A	N/A	N/A
1803-CR-TI-EF	D1803-CR-TI-EF03		I-3	1.826	Liters	32.3	kilowatt	2400	43.6	mm3/stroke	148.3	N-m	1500	45.3	mm3/stroke	N/A	N/A	N/A	N/A
1803-CR-TI-EF	D1803-CR-TI-EF04		I-3	1.826	Liters	29.7	kilowatt	2200	42.3	mm3/stroke	148.3	N-m	1500	45.3	mm3/stroke	N/A	N/A	N/A	N/A
1803-CR-TI-EF	D1803-CR-TI-EF05		I-3	1.826	Liters	35	kilowatt	2600	44.2	mm3/stroke	148.3	N-m	1600	45.4	mm3/stroke	N/A	N/A	N/A	N/A
1803-CR-TI-EF	D1803-CR-TI-EF06		I-3	1.826	Liters	27.6	kilowatt	2700	34.5	mm3/stroke	114.1	N-m	1600	34.7	mm3/stroke	N/A	N/A	N/A	N/A
1803-CR-TI-EF	D1803-CR-TI-EF51		I-3	1.826	Liters	36.5	kilowatt	2700	44.4	mm3/stroke	148.3	N-m	1600	44.5	mm3/stroke	N/A	N/A	N/A	N/A
1803-CR-TI-EF	D1803-CR-TI-EF52		I-3	1.826	Liters	32.3	kilowatt	2400	41.7	mm3/stroke	148.3	N-m	1500	44.6	mm3/stroke	N/A	N/A	N/A	N/A
1803-CR-TI-EF	D1803-CR-TI-EF53		I-3	1.826	Liters	29.7	kilowatt	2200	41.1	mm3/stroke	148.3	N-m	1500	44.6	mm3/stroke	N/A	N/A	N/A	N/A
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					1														