Pursuant to the authority vested in the 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-02-003;

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.

ODEL ENGINE FAMILY DISPLACEMENT (liters)		FUEL TYPE	USEFUL LIFE (hours)		
ASZXL02.2VTB	2.2	Diesel	5000		
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		TYPICAL EQUIPMENT APPLICATION			
Indirect Diesel Injection, Turbocharger		Generator Set			
	ASZXL02.2VTB	ENGINE FAMILY (liters) ASZXL02.2VTB 2.2 FEATURES & EMISSION CONTROL SYSTEMS	ENGINE FAMILY (liters) FUEL TYPE ASZXL02.2VTB 2.2 Diesel FEATURES & EMISSION CONTROL SYSTEMS TYPICAL EQUIPMENT A		

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), 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			EXHAUST (g/kW-hr)				OPACITY (%)			
POWER CLASS	STANDARD CATEGORY		НС	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
19 ≤ kW < 37	Tier 4 - Interim	STD	N/A	N/A	7.5	5.5	0.30	N/A	N/A	N/A
		CERT			5.4	0.5	0.12			

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.

15

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 at El Monte, California on this

__ day of September 2009.

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Annette Hebert, Chief Mobile Source Operations Division

U-R-006-0323 9/9/24	8. Fuel Rate: 9. Emission Control (lbs/hr)@peak torqueDevice Per SAE J1930	EM, TC, IDI	
5-0	8.Fuel Rate: (bs/hr)@peak torquet	•	
	7.Fuel Rate: mm/stroke@peak torque		
mplate	6.Torque @ RPM (SEA Gross)	1	
HMENI HMENI	5.Fuel Rate: (łbs/hr) @ peak HP (for diesels only)	19.9@1800	
Engine Model Summary Template	4.Fuel Rate: 5.Fuel Rate: mm/stroke @ peak HP (lbs/hr) @ peak HP (for diesel only) (for diesels only)	49.7@1800	
Ē	3.BHP@RPM r (SAE Gross)	46.9@1800	
	2.Engine Model	BV-4LE1T	
	1.Engine Code	4LE1TCVFA-01	
•	Engine Family 1. Engine Code 2. Engine Model	ASZXL02.2VTB	

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