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)
2023	PSIDL09.8I7C	9.8, 8.4	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Engine Control Module, Electronic Direct Injection, Turbocharger, Charge Air Cooler, Diesel Oxidation Catalyst, Periodic Trap Oxidizer, Selective Catalytic Reduction – Urea, Ammonia Oxidation Catalyst	Tractor

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 POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Tier 4 Final	**STD**	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.01	0.32	--	0.3	0.01	--	--	--

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 14th day of April 2023.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

Attachment: Engine Models **EO #:** U-R-050-0105 **Family:** PSIDL09.8I7C **Attachment Revised:** 4/7/2023

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	GHG	Special	Notes
84	LFTN-D	5.1643	I6	8.4	Liters	400	horsepower	2100	231	mm3/stroke	1304	lb-ft	1500	245	mm3/stroke				CCV
84	LFTN-D	4.1577	I6	8.4	Liters	315	horsepower	2100	176	mm3/stroke	1106	lb-ft	1500	201	mm3/stroke				CCV
84	LFTN-D	4.1576	I6	8.4	Liters	339	horsepower	2100	191	mm3/stroke	1180	lb-ft	1500	214	mm3/stroke				CCV
84	LFTN-D	4.1575	I6	8.4	Liters	365	horsepower	2100	205	mm3/stroke	1180	lb-ft	1500	214	mm3/stroke				CCV
98	LFTN-D	4.1742	I7	9.8	Liters	469	horsepower	1900	230	mm3/stroke	1416	lb-ft	1400	231	mm3/stroke				CCV
98	LFTN-D	5.1741	I7	9.8	Liters	469	horsepower	1900	230	mm3/stroke	1416	lb-ft	1400	231	mm3/stroke				CCV
84	LXTN-D	4.1790	I6	8.4	Liters	295	horsepower	1850	168	mm3/stroke	1033	lb-ft	1500	193	mm3/stroke				CCV
84	LXTN-D	4.1791	I6	8.4	Liters	323	horsepower	1850	183	mm3/stroke	1106	lb-ft	1500	206	mm3/stroke				CCV
84	LXTN-D	4.1792	I6	8.4	Liters	351	horsepower	1850	197	mm3/stroke	1180	lb-ft	1500	220	mm3/stroke				CCV
84	LXTN-D	4.1793	I6	8.4	Liters	380	horsepower	1850	216	mm3/stroke	1254	lb-ft	1500	235	mm3/stroke				CCV
84	LXTN-D	4.1794	I6	8.4	Liters	398	horsepower	1850	229	mm3/stroke	1291	lb-ft	1500	243	mm3/stroke				CCV
84	LXTN-D	4.1795	I6	8.4	Liters	398	horsepower	1850	229	mm3/stroke	1291	lb-ft	1500	243	mm3/stroke				CCV