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	PSIDL07.4G6B	7.4, 6.6, 4.9	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Engine Control Module, Electronic Direct Injection, Turbocharger, Charge Air Cooler, Smoke Puff Limiter, Selective Catalytic Reduction – Urea, Diesel Oxidation Catalyst, 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
75 ≤ kW ≤ 560	Tier 4 Final	**STD**	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.03	0.29	--	0.1	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).

BE IT FURTHER RESOLVED: That for the listed engine models which include engines from different power categories in the same engine family, the manufacturer is complying with the more stringent set of standards from the 130 ≤ kW ≤ 560 power category in conformance with the incorporated Section 1039.230 (e) of the "California Exhaust Emission Standards and Test Procedures for New 2011 and Later Tier 4 Off-Road Compression Ignition Engines, Part 1-D" adopted October 20, 2005 and last amended October 25, 2012.

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 12th day of May 2023.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

Attachment: Engine Models **EO #:** U-R-050-0107 **Family:** PSIDL07.4G6B **Attachment Revised:** 4/13/2023

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
74	AWF	.923	I6	7.4	Liters	300	horsepower	2100	153	mm3/stroke	961	lb-ft	1500	177	mm3/stroke				CCV
66	AWF	.987	I6	6.6	Liters	189	horsepower	2100	93	mm3/stroke	646	lb-ft	1500	117	mm3/stroke				CCV
66	AWF	.988	I6	6.6	Liters	189	horsepower	2100	93	mm3/stroke	646	lb-ft	1500	117	mm3/stroke				CCV
66	AWF	.991	I6	6.6	Liters	212	horsepower	2100	101	mm3/stroke	716	lb-ft	1500	127	mm3/stroke				CCV
66	AWF	.992	I6	6.6	Liters	212	horsepower	2100	101	mm3/stroke	716	lb-ft	1500	127	mm3/stroke				CCV
74	AWF	.997	I6	7.4	Liters	256	horsepower	2100	120	mm3/stroke	881	lb-ft	1500	162	mm3/stroke				CCV
74	AWF	.998	I6	7.4	Liters	256	horsepower	2100	120	mm3/stroke	881	lb-ft	1500	162	mm3/stroke				CCV
66	AWF	.1000	I6	6.6	Liters	225	horsepower	2100	116	mm3/stroke	766	lb-ft	1500	142	mm3/stroke				CCV
74	AWF	.1030	I6	7.4	Liters	280	horsepower	2100	135	mm3/stroke	923	lb-ft	1500	168	mm3/stroke				CCV
74	AWF	.924	I6	7.4	Liters	218	horsepower	2100	111	mm3/stroke	781	lb-ft	1500	143	mm3/stroke				CCV
74	AWF	.1017	I6	7.4	Liters	257	horsepower	2100	131	mm3/stroke	815	lb-ft	1500	150	mm3/stroke				CCV
66	AWF	.1027	I6	6.6	Liters	158	horsepower	2100	83	mm3/stroke	632	lb-ft	1500	120	mm3/stroke				CCV
66	AWF	.1028	I6	6.6	Liters	189	horsepower	2100	108	mm3/stroke	726	lb-ft	1500	139	mm3/stroke				CCV
66	AWF	.1029	I6	6.6	Liters	218	horsepower	2100	125	mm3/stroke	769	lb-ft	1500	147	mm3/stroke				CCV
74	AWF	.1035	I6	7.4	Liters	205	horsepower	2100	101	mm3/stroke	725	lb-ft	1500	130	mm3/stroke				CCV
74	AWF	.1036	I6	7.4	Liters	224	horsepower	2100	107	mm3/stroke	792	lb-ft	1500	138	mm3/stroke				CCV
66	AWF	.985	I6	6.6	Liters	178	horsepower	2100	89	mm3/stroke	608	lb-ft	1500	108	mm3/stroke				CCV
66	AWF	.986	I6	6.6	Liters	178	horsepower	2100	89	mm3/stroke	608	lb-ft	1500	108	mm3/stroke				CCV
66	AWF	.989	I6	6.6	Liters	200	horsepower	2100	101	mm3/stroke	711	lb-ft	1500	126	mm3/stroke				CCV
66	AWF	.990	I6	6.6	Liters	200	horsepower	2100	101	mm3/stroke	711	lb-ft	1500	126	mm3/stroke				CCV
74	AWF	.993	I6	7.4	Liters	226	horsepower	2100	111	mm3/stroke	807	lb-ft	1500	146	mm3/stroke				CCV
74	AWF	.994	I6	7.4	Liters	226	horsepower	2100	111	mm3/stroke	807	lb-ft	1500	146	mm3/stroke				CCV
74	AWF	.995	I6	7.4	Liters	243	horsepower	2100	121	mm3/stroke	861	lb-ft	1500	155	mm3/stroke				CCV
74	AWF	.996	I6	7.4	Liters	243	horsepower	2100	121	mm3/stroke	861	lb-ft	1500	155	mm3/stroke				CCV
74	AWF	.1023	I6	7.4	Liters	296	horsepower	2100	145	mm3/stroke	923	lb-ft	1500	170	mm3/stroke				CCV
74	AWF	.1024	I6	7.4	Liters	236	horsepower	2100	96	mm3/stroke	796	lb-ft	1500	154	mm3/stroke				CCV
66	AWF	.982	I6	6.6	Liters	166	horsepower	2100	83	mm3/stroke	573	lb-ft	1500	104	mm3/stroke				CCV
66	AWF	.983	I6	6.6	Liters	166	horsepower	2100	83	mm3/stroke	573	lb-ft	1500	104	mm3/stroke				CCV
66	AWF	.984	I6	6.6	Liters	166	horsepower	2100	83	mm3/stroke	573	lb-ft	1500	104	mm3/stroke				CCV
66	AWF	.1152	I6	6.6	Liters	177	horsepower	2100	87	mm3/stroke	669	lb-ft	1500	118	mm3/stroke				CCV
66	AWF	.1153	I6	6.6	Liters	201	horsepower	2100	103	mm3/stroke	738	lb-ft	1500	135	mm3/stroke				CCV
66	AWF	.1084	I6	6.6	Liters	188	horsepower	2100	92	mm3/stroke	654	lb-ft	1500	120	mm3/stroke				CCV
66	AWF	.1085	I6	6.6	Liters	208	horsepower	2100	102	mm3/stroke	731	lb-ft	1500	133	mm3/stroke				CCV
74	AWF	.1086	I6	7.4	Liters	228	horsepower	2100	94	mm3/stroke	846	lb-ft	1500	157	mm3/stroke				CCV
74	AWF	.1087	I6	7.4	Liters	261	horsepower	2100	129	mm3/stroke	923	lb-ft	1500	171	mm3/stroke				CCV
49	AWF	.1236	I4	4.9	Liters	189	horsepower	2100	98	mm3/stroke	646	lb-ft	1500	138	mm3/stroke				CCV
49	AWF	.1237	I4	4.9	Liters	189	horsepower	2100	98	mm3/stroke	646	lb-ft	1500	138	mm3/stroke				CCV
49	AWF	.1178	I4	4.9	Liters	166	horsepower	2100	86	mm3/stroke	573	lb-ft	1500	116	mm3/stroke				CCV
49	AWF	.1179	I4	4.9	Liters	166	horsepower	2100	86	mm3/stroke	573	lb-ft	1500	116	mm3/stroke				CCV
49	AWF	.1180	I4	4.9	Liters	166	horsepower	2100	86	mm3/stroke	573	lb-ft	1500	116	mm3/stroke				CCV
49	AWF	.1181	I4	4.9	Liters	180	horsepower	2100	93	mm3/stroke	608	lb-ft	1500	122	mm3/stroke				CCV
49	AWF	.1182	I4	4.9	Liters	180	horsepower	2100	93	mm3/stroke	608	lb-ft	1500	122	mm3/stroke				CCV
74	AWF	.1204	I6	7.4	Liters	228	horsepower	2100	131	mm3/stroke	594	lb-ft	1500	147	mm3/stroke				CCV
74	AWF	.1205	I6	7.4	Liters	274	horsepower	2100	153	mm3/stroke	717	lb-ft	1500	170	mm3/stroke				CCV
74	AWF	.1245	I6	7.4	Liters	208	horsepower	2100	121	mm3/stroke	542	lb-ft	1500	134	mm3/stroke				CCV
74	AWF	.1343	I6	7.4	Liters	266	horsepower	2100	129	mm3/stroke	853	lb-ft	1500	148.5	mm3/stroke				CCV
74	AWF	.1344	I6	7.4	Liters	235	horsepower	2100	113	mm3/stroke	796	lb-ft	1500	139	mm3/stroke				CCV
74	AWF	.1476	I6	7.4	Liters	282	horsepower	2100	148	mm3/stroke	867	lb-ft	1500	172	mm3/stroke				CCV
74	AWF	.1477	I6	7.4	Liters	251	horsepower	2100	131	mm3/stroke	772	lb-ft	1500	151	mm3/stroke				CCV
49	AWF	.1478	I4	4.9	Liters	170	horsepower	2100	136	mm3/stroke	526	lb-ft	1500	157	mm3/stroke				CCV