

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)
2022	NCEXL06.7AAK	6.7	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		TYPICAL EQUIPMENT APPLICATION		
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Electronic Control Module, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Selective Catalytic Reduction – Urea, Ammonia Oxidation Catalyst		Crane, Loader, Tractor, Dozer, Pump, Compressor and Generator Set		

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	<b>STD</b>	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		<b>CERT</b>	0.02	0.17	--	0.00	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).

**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 21st day of November 2021.



Allen Lyons, Chief  
 Emissions Certification and Compliance Division\

**Attachment: Engine Models**

**EO #:** U-R-002-0795

**Family:** NCEXL06.7AAK

**Attachment Last Revised:** 7/20/2021

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
QSB6.7	OB1	N/A	16	6.7	Liters	300	horsepower	2500	149	mm3/stroke	770	lb-ft	1500	77	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB2	N/A	16	6.7	Liters	275	horsepower	2500	120	mm3/stroke	730	lb-ft	1500	69	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB3	N/A	16	6.7	Liters	260	horsepower	2500	124	mm3/stroke	730	lb-ft	1500	69	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB4	N/A	16	6.7	Liters	225	horsepower	2500	101	mm3/stroke	655	lb-ft	1500	62	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB5	N/A	16	6.7	Liters	196	horsepower	2300	92	mm3/stroke	590	lb-ft	1500	55	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB6	N/A	16	6.7	Liters	260	horsepower	2200	137	mm3/stroke	730	lb-ft	1500	69	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB7	N/A	16	6.7	Liters	250	horsepower	2200	117	mm3/stroke	730	lb-ft	1500	69	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB8	N/A	16	6.7	Liters	225	horsepower	2200	115	mm3/stroke	700	lb-ft	1500	66	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB9	N/A	16	6.7	Liters	225	horsepower	2200	115	mm3/stroke	770	lb-ft	1500	77	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB10	N/A	16	6.7	Liters	200	horsepower	2200	94	mm3/stroke	685	lb-ft	1500	65	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB11	N/A	16	6.7	Liters	250	horsepower	2000	127	mm3/stroke	730	lb-ft	1500	69	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB12	N/A	16	6.7	Liters	225	horsepower	2000	115	mm3/stroke	700	lb-ft	1500	66	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB13	N/A	16	6.7	Liters	190	horsepower	2000	96	mm3/stroke	590	lb-ft	1500	56	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB14	N/A	16	6.7	Liters	215	horsepower	1800	119	mm3/stroke	700	lb-ft	1500	60	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB15	N/A	16	6.7	Liters	250	horsepower	2000	127	mm3/stroke	730	lb-ft	1500	69	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB16	N/A	16	6.7	Liters	225	horsepower	2200	115	mm3/stroke	770	lb-ft	1500	77	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB17	N/A	16	6.7	Liters	225	horsepower	2000	112	mm3/stroke	591	lb-ft	1500	66	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB18	N/A	16	6.7	Liters	173	horsepower	2300	82	mm3/stroke	620	lb-ft	1500	60	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB19	N/A	16	6.7	Liters	164	horsepower	2300	79	mm3/stroke	540	lb-ft	1500	51	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB20	N/A	16	6.7	Liters	173	horsepower	2200	84	mm3/stroke	620	lb-ft	1500	60	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB21	N/A	16	6.7	Liters	155	horsepower	2200	77	mm3/stroke	496	lb-ft	1500	47	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB22	N/A	16	6.7	Liters	173	horsepower	2100	85	mm3/stroke	620	lb-ft	1500	60	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB23	N/A	16	6.7	Liters	158	horsepower	2100	81	mm3/stroke	620	lb-ft	1500	60	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB24	N/A	16	6.7	Liters	146	horsepower	2100	75	mm3/stroke	620	lb-ft	1500	60	lb/hr	N/A	N/A	N/A	N/A
QSB6.7	OB25	N/A	16	6.7	Liters	173	horsepower	2200	85	mm3/stroke	560	lb-ft	1500	57	lb/hr	N/A	N/A	N/A	N/A