

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	NCPXL32.0HXG	32.0	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Direct Injection, Turbocharger, Charge Air Cooler, Engine Control Module, Oxidation Catalyst, Exhaust Gas Recirculation			Loader, Pump, Compressor, Off-road Truck, Shovel, Commercial 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 (NO_x), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NO_x), 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):

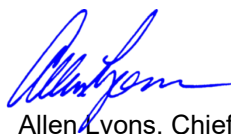
RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NO _x	NMHC+NO _x	CO	PM	ACCEL	LUG	PEAK
ELSE>560kW	Tier 4 Final	STD	0.19	3.5	N/A	3.5	0.04	N/A	N/A	N/A
		CERT	0.05	3.1	--	0.01	0.04	--	--	--

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 22nd day of November 2021.



Allen Lyons, Chief
 Emissions Certification and Compliance Division

Attachment: Engine Models

EO #: U-R-001-0650

Family: NCPXL32.0HXG

Attachment Last Revised: 10/27/2021

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
C32	Cert Test 1	N/A	V12	32.1	Liters	1198	horsepower	1800	404	lb/hr	4311	lb-ft	1200	323	lb/hr	N/A	N/A	N/A	N/A
C32	1	N/A	V12	32.1	Liters	1124	horsepower	1800	385	lb/hr	4044	lb-ft	1200	308	lb/hr	N/A	N/A	N/A	N/A
C32	2	N/A	V12	32.1	Liters	1124	horsepower	1800	385	lb/hr	4044	lb-ft	1200	308	lb/hr	N/A	N/A	N/A	N/A
C32	3	N/A	V12	32.1	Liters	1198	horsepower	1800	404	lb/hr	4311	lb-ft	1200	323	lb/hr	N/A	N/A	N/A	N/A
C32	4	N/A	V12	32.1	Liters	1198	horsepower	1800	404	lb/hr	4311	lb-ft	1200	323	lb/hr	N/A	N/A	N/A	N/A
C32	5	N/A	V12	32.1	Liters	1124	horsepower	1800	385	lb/hr	4044	lb-ft	1200	308	lb/hr	N/A	N/A	N/A	N/A
C32	6	N/A	V12	32.1	Liters	1124	horsepower	1800	385	lb/hr	4044	lb-ft	1200	308	lb/hr	N/A	N/A	N/A	N/A
C32	7	N/A	V12	32.1	Liters	1026	horsepower	1800	351	lb/hr	4003	lb-ft	1250	316	lb/hr	N/A	N/A	N/A	N/A
C32	8	N/A	V12	32.1	Liters	1026	horsepower	1800	351	lb/hr	4003	lb-ft	1250	316	lb/hr	N/A	N/A	N/A	N/A
C32/C32B	9	N/A	V12	32.1	Liters	1008	horsepower	1800	348	lb/hr	3851	lb-ft	1200	295	lb/hr	N/A	N/A	N/A	N/A
C32	9A	N/A	V12	32.1	Liters	1008	horsepower	1800	348	lb/hr	3851	lb-ft	1200	295	lb/hr	N/A	N/A	N/A	N/A
C32	10	N/A	V12	32.1	Liters	1008	horsepower	1800	348	lb/hr	3851	lb-ft	1200	295	lb/hr	N/A	N/A	N/A	N/A
C32	11	N/A	V12	32.1	Liters	1008	horsepower	1800	348	lb/hr	3851	lb-ft	1200	295	lb/hr	N/A	N/A	N/A	N/A
C32	12	N/A	V12	32.1	Liters	1008	horsepower	1800	348	lb/hr	3851	lb-ft	1200	295	lb/hr	N/A	N/A	N/A	N/A
C32	13	N/A	V12	32.1	Liters	999	horsepower	1800	352	lb/hr	3919	lb-ft	1200	299	lb/hr	N/A	N/A	N/A	N/A
C32	14	N/A	V12	32.1	Liters	1026	horsepower	1800	351	lb/hr	4003	lb-ft	1250	316	lb/hr	N/A	N/A	N/A	N/A