New Off-Road Compression-Ignition Engines

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	NDTAL10.6RJD	10.6	Diesel	8000				
SPECIAL	FEATURES & EMISSION C	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION					
Injection Recircu	Air Cooler, Oxidation Ca , Electronic Control Mo , Ilation, Turbocharger, S tion-Urea, Ammonia Ox Periodic Trap Oxi	dule, Exhaust Gas Selective Catalyst kidation Catalyst,	Crane, Loader, Tractor, Dozer, Pum Generator Set	p, Compressor,				

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	EMISSION			E	EXHAUST (g/kw-l	OPACITY (%)				
CLASS	STANDARD CATEGORY		NMHC	NOx	NMHC+NOx	СО	PM	ACCEL	LUG	PEAK
130 <u><</u> kW <u><</u> 560	Tier 4 Final STD		0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.03	0.16		0.1	0.002			

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 2nd day of January 2022.

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Allen Lyons, Chief

Emissions Certification and Compliance Division

Attachment: Engine Models EO #: U-R-016-0151 Family: NDTAL10.6RJD Attachment Last Revised: 12/21/2021

					Displacement -		Peak Power -	Peak Power -	Peak Power -	Peak Power -		Peak Torque -	Peak Torque -	ık Torque - Peak Torque - Peak Torque -		Peak Torque -					
Model	Code	Trim	Config		Units	Peak Power	Units	Speed (rpm)	Fueling	Fuel Units	Peak Torque	Units	Speed (rpm)	Fuel		uel Units	OBD	GHG	Special	Notes	
OM470	OM470LA.E5-1		L6	10.6	Liters	340 kilowatt		1600	14	6.3 lb/hr	220	2200 N-m		00 12	27.5 II	b/hr	N/A	N/A		ECM,TC,CAC,EGR,DPF,DDI,DOC,AMOX,SCR	
OM470	OM470LA.E5-2		L6	10.6	Liters	320 kilowatt		1600	135.6 lb/hr		2100 N-m		1300		19.7 II	b/hr	N/A	N/A		ECM,TC,CAC,EGR,DPF,DDI,DOC,AMOX,SCR	
OM470	OM470LA.E5-3		L6	10.6	Liters	300 kilowatt		1600	12	.6.3 lb/hr	200	2000 N-m		00 11	13.5 II	b/hr	N/A	N/A		ECM,TC,CAC,EGR,DPF,DDI,DOC,AMOX,SCR	
OM470	OM470LA.E5-4		L6	10.6	Liters	280 kilowatt		1600) 11	.6.5 lb/hr	190	0 N-m	13	00 10	06.5 II	b/hr	N/A	N/A		ECM,TC,CAC,EGR,DPF,DDI,DOC,AMOX,SCR	
OM470	OM470LA.E5-5		L6	10.6	Liters	260 kilowatt		1600	10	7.6 lb/hr	1800 N-m		13	00 10	00.3 II	b/hr	N/A	N/A		ECM,TC,CAC,EGR,DPF,DDI,DOC,AMOX,SCR	
OM470	OM470LA.E5-6		L6	10.6	10.6 Liters 240 kil		kilowatt	1600 99.2 lb,		9.2 lb/hr	1700 N-m		1300		94.6 lb/hr		N/A N/A			ECM,TC,CAC,EGR,DPF,DDI,DOC,AMOX,SCR	
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