

TURK TRAKTOR VE ZIRAAT MAKINELERI A.S

EXECUTIVE ORDER U-R-069-0002

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)							
2021	MTTVL02.9WMS	2.9	Diesel	8000							
SPECIAL	. FEATURES & EMISSION C	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION								
Electror	onic Direct Injection, Ch nic Control Module, Turi ion Catalyst, Exhaust G	bocharger, Diesel	Loader, Tractor, Generator, Other Industrial Equipment								

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, 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 STANDARD CATEGORY		EXHAUST (g/kw-hr)				OPACITY (%)			
CLASS			NMHC	NOx	NMHC+NOx	СО	PM	ACCEL	LUG	PEAK
37 <u><</u> kW < 56	Tier 4 Final	STD	N/A	N/A	4.7	5.0	0.03	N/A	N/A	N/A
		CERT	-	1	4.0	0.5	0.02			

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

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 6th day of December 2020.

Allen Lyons, Chief

Emissions Certification and Compliance Division

Attachment: Engine Models EO #: U-R-069-0002 Family: MTTVL02.9WMS **Attachment Revised:** 11/12/2020 Displacement -Peak Power -Peak Power -Peak Power -Peak Power -Peak Torque -Peak Torque -Peak Torque -Peak Torque -Model Code Trim Config Displacement Units **Peak Power** Units Speed (rpm) **Fueling Fuel Units Peak Torque** Units Speed (rpm) Fuel **Fuel Units** OBD GHG Special Notes TTF_8035
.25A.IIIB
TTF_803 TTF_80
5.25A.III 35.25A.I

B
TTF_8035
.25A.IIIB DDI ECM 2.9 Liters 55 horsepower 2300 62 mm3/stroke 190 lb-ft 1400 80 mm3/stroke TC CAC B IIB DOC EGR TTF_8035
.25B.IIIB

TTF_803 TTF_80
5.25B.III 35.25B.II
B

TTF_8035
.25B.IIIB
.25B.IIIB DDI ECM TC CAC 2.9 Liters 64 horsepower 2300 69 mm3/stroke 215 lb-ft 1400 88 mm3/stroke DOC EGR TTF_8035
.25C.IIIB

TTF_803 TTF_80
5.25C.III 35.25C.II
R
IIB
TTF_8035
.25C.IIIB DDI ECM 2.9 Liters 74 horsepower 2300 78 mm3/stroke 252 lb-ft 1400 102 mm3/stroke TC CAC IIB DOC EGR