



OIL REPORT

LAB NUMBER: S174517
 REPORT DATE: 1/21/2025
 CODE: 20/88

UNIT ID: 22 GLADIATOR
 CLIENT ID: 33339
 PAYMENT: CC: MC

UNIT	MAKE/MODEL: VM Motori 3.0L DOHC V-6 EcoDiesel	OIL TYPE & GRADE: Quaker State Synthetic 5W/40 Euro
	FUEL TYPE: Diesel	OIL USE INTERVAL: 5,285 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS DAVID: Aluminum is the most notable item in your Gladiator's first report. Aluminum's high compared to universal averages on the far right, which show typical wear for this type of engine after about 8,000 miles on the oil. This fill was in use fewer miles, yet aluminum is still twice the average level. Aluminum may show excess wear of the pistons or the bearings -- both are aluminum in your EcoDiesel. Some extra aluminum may prove to be normal for your engine and the use it sees, but we want to see how it trends before calling it normal. Repeat 5K miles.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,285	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	35,285							
	Sample Date	12/30/2024							
	Make Up Oil Added	0 qts							
ALUMINUM	12	12							6
CHROMIUM	1	1							1
IRON	20	20							22
COPPER	3	3							2
LEAD	0	0							0
TIN	0	0							0
MOLYBDENUM	85	85							19
NICKEL	0	0							0
MANGANESE	1	1							0
SILVER	0	0							1
TITANIUM	0	0							1
POTASSIUM	8	8							7
BORON	167	167							95
SILICON	8	8							10
SODIUM	3	3							5
CALCIUM	1381	1381							1775
MAGNESIUM	1058	1058							278
PHOSPHORUS	720	720							914
ZINC	864	864							1052
BARIUM	0	0							0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	66.2	66-78					
	cSt Viscosity @ 100°C	11.93	11.9-15.3					
	Flashpoint in °F	445	>410					
	Fuel %	<0.5	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	0.0					
	Insolubles %	0.4	<0.6					
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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