OIL REPORT

LAB NUMBER: S079642 **UNIT ID:** 13 GL350
REPORT DATE: 7/8/2024 **CLIENT ID:** 248106
CODE: 44/1,430 **PAYMENT:** CC Online

UNIT

MAKE/MODEL: Mercedes Benz 3.0L V-6 OM642
FUEL TYPE: Diesel
ADDITIONAL INFO:
OIL TYPE & GRADE: Liqui Moly Top Tec 4110 5W/40
OIL USE INTERVAL: 3,500 KM

CLIENT

HAMMAD JADOON
525 BARRHILL ROAD
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COMMENTS

HAMMAD: The Liqui Moly additives you mentioned don't tend to skew our results and are fine to use if you like them. Universal averages, on the far right, show typical wear for an OM642 after ~14,000 km of oil use. This oil hasn't been in place as long, and all metals were below average, suggesting healthy internal wear. There were no signs of dirt, fuel, or coolant contamination, and low insolubles show good oil filtration. A slightly thin viscosity is fine. The TBN was strong at 5.3. Put another 10,000 km or so on this oil then check back for trends.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	3,500							
MI/HR on Unit	195,500							
Sample Date	5/30/2024							
Make Up Oil Added								
ALUMINUM	5	5						9
CHROMIUM	1	1						2
IRON	15	15						55
COPPER	1	1						3
LEAD	0	0						1
TIN	0	0						1
MOLYBDENUM	169	169						40
NICKEL	0	0						1
MANGANESE	0	0						1
SILVER	0	0						0
TITANIUM	0	0						1
POTASSIUM	1	1						8
BORON	292	292						81
SILICON	6	6						7
SODIUM	4	4						5
CALCIUM	1769	1769						1846
MAGNESIUM	39	39						162
PHOSPHORUS	689	689						828
ZINC	808	808						949
BARIUM	0	0						0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	**62.9**	66-78					
cSt Viscosity @ 100°C	**11.04**	11.9-15.3					
Flashpoint in °F	450	>410					
Fuel %	<0.5	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	0.0					
Insolubles %	0.3	<0.6					
TBN	5.3	>1.0					
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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