BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER: **UNIT ID:**
REPORT DATE: 12/10/2021 **CLIENT ID:**
CODE: 1/68 **PAYMENT:**

UNIT

EQUIP. MAKE/MODEL: Mercedes Benz 2.0L Turbo M270/M2 OIL TYPE & GRADE: 5W/40
FUEL TYPE: Gasoline (Unleaded) OIL USE INTERVAL: 3,100 Miles
ADDITIONAL INFO:

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

No news is good news for this GLC 300! Wear metals are reading at exactly the same levels as last time, and consistency like this between intervals is a great sign that all is well with an engine's internals. The viscosity read a bit thin again for the oil type, but in the absence of fuel that's still a pretty minor complaint in the scheme of things. There isn't significant contamination from coolant, dirt, or water to worry about, and oil filtration is still doing a great job at keeping insolubles to a low level. Looking good! Just keep up the great work.

ELEMENTS IN PARTS PER MILLION

	MI/HR on Oil	3,100	UNIT / LOCATION AVERAGES	3,000	4,300				UNIVERSAL AVERAGES
	MI/HR on Unit	25,555		22,400	10,700				
	Sample Date	11/15/2021		6/27/2021	1/26/2020				
	Make Up Oil Added	0 qts		0 qts	0 qts				
	ALUMINUM	2	2	2	2				3
	CHROMIUM	0	0	0	0				0
	IRON	7	7	7	9				13
	COPPER	1	2	1	4				3
	LEAD	0	0	0	0				0
	TIN	0	0	0	0				0
	MOLYBDENUM	0	1	1	1				57
	NICKEL	0	0	0	0				0
	MANGANESE	0	0	0	1				1
	SILVER	0	0	0	0				0
	TITANIUM	0	1	1	2				1
	POTASSIUM	0	1	1	0				2
	BORON	54	42	44	11				92
	SILICON	9	9	8	9				13
	SODIUM	4	4	5	3				5
	CALCIUM	2701	2718	2858	2752				2397
	MAGNESIUM	13	15	13	17				104
	PHOSPHORUS	916	882	928	797				841
	ZINC	1014	972	1030	886				948
	BARIUM	0	0	0	0				0

PROPERTIES

			Values Should Be*					
	SUS Viscosity @ 210°F	**63.4**	65-78	**64.5**	68.8			
	cSt Viscosity @ 100°C	**11.16**	11.6-15.3	**11.47**	12.64			
	Flashpoint in °F	400	>385	410	390			
	Fuel %	<0.5	<2.0	<0.5	<0.5			
	Antifreeze %	0.0	0.0	0.0	0.0			
	Water %	0.0	0.0	0.0	0.0			
	Insolubles %	0.1	<0.6	0.1	0.1			
	TBN				7.3			
	TAN							
	ISO Code							

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

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