



# OIL REPORT

LAB NUMBER:  
REPORT DATE: 4/30/2014  
CODE: 63/75

UNIT ID: 10 GLK  
CLIENT ID:  
PAYMENT: Prepaid

<b>UNIT</b>	MAKE/MODEL: Mercedes Benz 3.5L V6	OIL TYPE & GRADE: Mobil 1 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 10,600 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

**COMMENTS** YURY: Universal averages in the far right column show typical results for this type of engine after about 7,500 miles on the oil. You've gone a bit longer than that on your oil, so it's not too surprising to find some higher-than-average metals. In particular, iron will track directly with miles on the oil, so we expected that to read a bit high after 10,600 miles on the oil (and it did). No fuel or coolant contamination was found, and the viscosity read right on target for Mobil 1 5W/40. This first sample from your Mercedes looks good; be sure to check back to build wear trends.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	10,600	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	48,100						
	Sample Date	04/20/14						
	Make Up Oil Added	0 qts						
ALUMINUM	6	6					4	
CHROMIUM	2	2					1	
IRON	39	39					25	
COPPER	3	3					7	
LEAD	1	1					1	
TIN	0	0					1	
MOLYBDENUM	76	76					72	
NICKEL	1	1					1	
MANGANESE	14	14					3	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	0	0					3	
BORON	70	70					98	
SILICON	15	15					9	
SODIUM	8	8					19	
CALCIUM	1620	1620					2228	
MAGNESIUM	48	48					65	
PHOSPHORUS	816	816					841	
ZINC	985	985					969	
BARIUM	0	0					0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	69.6	65-78			
	cSt Viscosity @ 100°C	12.85	11.6-15.3			
	Flashpoint in °F	400	>375			
	Fuel %	<0.5	<2.0			
	Antifreeze %	0.0	0			
	Water %	0.0	0.0			
	Insolubles %	0.2	<0.6			
	TBN					
	TAN					
	ISO Code					

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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