



# OIL REPORT

LAB NUMBER: G09862  
 REPORT DATE: 5/5/2014  
 CODE: 20/75

UNIT ID: 05 C230  
 CLIENT ID: 72456  
 PAYMENT: CC:

<b>UNIT</b>	MAKE/MODEL: Mercedes Benz 1.8L 4 cyl (SC)	OIL TYPE & GRADE: Mobil 1 0W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 6,200 Miles
	ADDITIONAL INFO:	

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

**COMMENTS** SLAVA: Thanks for the notes on the fuel additive. That stuff usually gets burned up before it reaches the oil, so we don't see much from it in our analysis. Your engine looks good in this first sample. Metals lined up well with universal averages, which show typical wear for this type of MB engine after about 7,500 miles on the oil. The shorter interval you used this time is partly why metals were much lower. It's also because you have a nicely wearing engine. The viscosity was fine for a 0W/40 and no contamination was found. Try up to 8,000 miles on the next fill. Nice!

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	6,200	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	141,370						
	Sample Date	04/27/14						
	Make Up Oil Added	1 qt						
ALUMINUM	3	3					4	
CHROMIUM	0	0					1	
IRON	9	9					19	
COPPER	4	4					7	
LEAD	0	0					1	
TIN	0	0					1	
MOLYBDENUM	86	86					88	
NICKEL	1	1					2	
MANGANESE	0	0					4	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	0	0					2	
BORON	140	140					101	
SILICON	4	4					10	
SODIUM	3	3					8	
CALCIUM	3000	3000					2841	
MAGNESIUM	19	19					34	
PHOSPHORUS	911	911					847	
ZINC	1063	1063					1007	
BARIUM	0	0					0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	69.8	65-76				
	cSt Viscosity @ 100°C	12.89	11.6-14.8				
	Flashpoint in °F	455	>375				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0				
	Water %	0.0	<0.1				
	Insolubles %	0.3	<0.6				
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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