



OIL REPORT

LAB NUMBER: G14649
 REPORT DATE: 6/3/2014
 CODE: 20/75

UNIT ID: C63
 CLIENT ID: 52008
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Mercedes Benz 6.2L M156 V-8	OIL TYPE & GRADE: Mobil 1 5W/40 ESP Formula M
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,671 Miles
	ADDITIONAL INFO: 2010	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS JOE: Your Mercedes engine is still looking good at 34,342 total miles. Wear metals haven't changed too dramatically since the last sample (from way back in 2011). There's a little more iron, and a little less aluminum and copper. Fluctuations like that are pretty normal, since you can't drive the exact same way during every oil run. There's still nothing here that looks like a problem compared to universal averages, so you're taking good care of this engine. No fuel or coolant was found, and the viscosity read in the proper range for a 5W/40 oil. Nice report!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,671	UNIT / LOCATION AVERAGES	3,825				UNIVERSAL AVERAGES
	MI/HR on Unit	35,342		23,406				
	Sample Date	05/17/14		11/22/11				
	Make Up Oil Added	1 qt		1 qt				
ALUMINUM	7	9	11				6	
CHROMIUM	1	1	1				1	
IRON	16	18	13				16	
COPPER	3	5	5				3	
LEAD	0	0	0				2	
TIN	0	0	0				1	
MOLYBDENUM	70	58	36				88	
NICKEL	0	0	0				1	
MANGANESE	4	3	1				5	
SILVER	0	0	1				0	
TITANIUM	0	0	0				0	
POTASSIUM	2	3	6				3	
BORON	84	79	78				97	
SILICON	8	8	8				7	
SODIUM	3	6	7				7	
CALCIUM	1260	1607	1447				2272	
MAGNESIUM	191	227	464				70	
PHOSPHORUS	812	865	923				876	
ZINC	973	1018	1080				1009	
BARIUM	0	0	0				0	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	67.5	65-78	65.7			
	cSt Viscosity @ 100°C	12.28	11.6-15.3	11.80			
	Flashpoint in °F	430	>375	400			
	Fuel %	<0.5	<2.0	<0.5			
	Antifreeze %	0.0	0.0	0.0			
	Water %	0.0	<0.1	0.0			
	Insolubles %	0.1	<0.6	0.3			
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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