



OIL REPORT

LAB NUMBER: E29164 UNIT ID: 09 C350
 REPORT DATE: 10/5/2010 CLIENT ID: 42145
 CODE: 20/75 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Mercedes Benz 3.5L V6	OIL TYPE & GRADE: Mobil 1 0W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 7,423 Miles
	ADDITIONAL INFO:	

CLIENT	
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COMMENTS
 KYLE: Silicon has improved considerably in this most recent sample, so if you found a leak in your engine's air filtration system, you've solved the problem. Iron (from wear at steel parts) is the only wear metal that is still reading at a cautionary level. The hard use at the track and sustained highway speeds in excess of 100 MPH are probably contributing to the extra iron. The trace of fuel is not enough to affect the engine or oil, and the viscosity was just a touch low for a 0W/40, but this is not an issue. Try 7,500 miles next and than check back for another look.

ELEMENTS IN PARTS PER MILLION	UNIT / LOCATION AVERAGES		UNIVERSAL AVERAGES			
	MI/HR on Oil	MI/HR on Unit	Sample Date	Make Up Oil Added		
	7,423	15,837	09/25/10	1 qt	8,400	01/21/10
ALUMINUM	5	5			5	4
CHROMIUM	2	2			2	1
IRON	77	85			93	26
COPPER	10	17			24	7
LEAD	1	2			3	1
TIN	1	4			6	1
MOLYBDENUM	69	40			11	81
NICKEL	0	0			0	1
MANGANESE	10	19			28	2
SILVER	0	0			0	0
TITANIUM	0	0			0	0
POTASSIUM	6	6			5	2
BORON	108	68			28	91
SILICON	16	23			29	11
SODIUM	6	7			8	13
CALCIUM	2811	2111			1410	2068
MAGNESIUM	222	589			956	96
PHOSPHORUS	949	979			1008	778
ZINC	1029	1081			1133	939
BARIUM	0	1			1	0

Values Should Be*

PROPERTIES	Current Value	Range	Target
SUS Viscosity @ 210°F	64.3	65-76	66.5
cSt Viscosity @ 100°C	11.41	11.6-14.8	12.03
Flashpoint in °F	370	>375	390
Fuel %	TR	<2.0	<0.5
Antifreeze %	0.0	0	0.0
Water %	0.0	<0.1	0.0
Insolubles %	0.2	<0.6	0.3
TBN			6.8
TAN			
ISO Code			

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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