



# OIL REPORT

LAB NUMBER: [REDACTED]  
 REPORT DATE: 10/14/2010  
 CODE: [REDACTED]

UNIT ID: BMW M3  
 CLIENT ID: [REDACTED]  
 PAYMENT: [REDACTED]

<b>UNIT</b>	MAKE/MODEL: BMW 2.5L (M52) Inline 6-Cylinder	OIL TYPE & GRADE: Castrol 10W/60
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 8,000 Miles
	ADDITIONAL INFO: 2008	

<b>CLIENT</b>	[REDACTED]	PHONE: [REDACTED]
	[REDACTED]	FAX: [REDACTED]
	[REDACTED]	ALT PHONE: [REDACTED]
	[REDACTED]	EMAIL: [REDACTED]
	[REDACTED]	

**COMMENTS** [REDACTED] Lead read mildly high in this sample, though everything else looks great. Lead may show a little extra wear at the bearings, though it could also be from a temporary particle streak through the bearings. If so, it will drop on its own next time. Other than lead, everything looks great in your BMW's engine. No coolant, moisture, or fuel was present. Low insolubles show good oil filtration and limited oil oxidation taking place. Universal averages are based in an oil run of about ~6,100 miles. Check back at the next oil change to monitor. We'll know a lot more at that point.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	8,000	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	36,000						
	Sample Date	10/01/10						
	Make Up Oil Added	1 qt						
ALUMINUM	5	5					3	
CHROMIUM	0	0					1	
IRON	8	8					10	
COPPER	5	5					6	
LEAD	25	25					4	
TIN	0	0					1	
MOLYBDENUM	3	3					82	
NICKEL	1	1					0	
MANGANESE	0	0					0	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	3	3					2	
BORON	57	57					66	
SILICON	4	4					4	
SODIUM	13	13					13	
CALCIUM	1483	1483					2392	
MAGNESIUM	571	571					74	
PHOSPHORUS	739	739					787	
ZINC	810	810					961	
BARIUM	0	0					0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	90.4	86-110				
	cSt Viscosity @ 100°C	18.07	17.0-22.9				
	Flashpoint in °F	390	>370				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	TR	<0.6				
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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