

OIL REPORT

LAB NUMBER: E33593 **REPORT DATE:** 11/5/2010

CLIENT ID: 30388

PAYMENT: CC: Visa

UNIT ID: BMW S54

MAKE/MODEL: BMW 3.2L (S-54) Inline 6 Cylinder

OIL TYPE & GRADE: Castrol TWS 10W/60

FUEL TYPE: Gasoline (Unleaded) OIL USE INTERVAL: 4,006 Miles

ADDITIONAL INFO: 2007 - Runs this car at High-Performance Driving Schools At Times.

JAMES S. MILLET 16732 BURKE AVE N PHONE: (206) 542-5237

CODE: 44/75

FAX:

SHORELINE, WA 98133 ALT PHONE:

EMAIL: JSMILLET@gmail.com

SMMENTS

JAMES: Some of these S54 motors that we see don't look too good, but this one is obviously loved and well cared for. You really couldn't ask for better wear trends than these since they show an engine is doing well mechanically. The only thing keeping this from being a perfect report is a trace of fuel, but that's hardly anything to lose sleep over. Low insolubles and silicon show good oil and air filtration, and the viscosity was fine for 10W/60. Another good report at 30,118 miles.

	MI/HR on Oil	4,006	UNIT / LOCATION AVERAGES	4,533	4,147	4,346	3,925	3,873	
	MI/HR on Unit	30,118		26,112	21,579	17,432	13,086	9,161	
	Sample Date	10/27/10		04/11/10	09/22/09	05/27/09	10/28/08	07/30/08	AVERAGES
	Make Up Oil Added	0 qts		0 qts					
ON	ALUMINUM	5	5	4	4	4	4	5	5
Ξ	CHROMIUM	0	0	0	0	0	0	0	0
MIL	IRON	9	11	8	7	8	10	13	10
2	COPPER	5	5	4	4	4	4	6	8
R	LEAD	0	2	3	2	2	1	2	4
Д	TIN	0	0	0	0	0	0	0	1
ည	MOLYBDENUM	3	3	1	3	3	3	6	19
8	NICKEL	0	1	1	1	0	1	1	1
ΡA	MANGANESE	1	1	1	1	1	1	1	2
Z	SILVER	0	0	0	0	0	0	0	0
	TITANIUM	0	0	0	0	0	0	0	0
ITS	POTASSIUM	2	2	2	2	1	1	1	2
	BORON	104	110	112	94	102	119	116	90
EM	SILICON	4	4	4	4	4	4	5	5
Ë	SODIUM	27	17	19	28	25	7	7	5
ш	CALCIUM	1470	1525	1705	1553	1461	1503	1389	1667
	MAGNESIUM	559	605	637	592	564	610	574	519
	PHOSPHORUS	818	850	922	848	784	852	847	825
	ZINC	998	1048	1247	1017	1012	1020	1016	1002
	BARIUM	0	0	0	0	0	0	0	0

Values Should Be*

86.2	85-110	87.8	90.1	90.0	90.2	87.2
17.06	16.8-22.9	17.45	18.01	17.97	18.04	17.29
370	>375	400	425	380	385	385
TR	<2.0	<0.5	<0.5	<0.5	<0.5	<0.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0
TR	<0.6	TR	0.1	0.1	0.2	0.2
	17.06 370 TR 0.0 0.0	17.06 16.8-22.9 370 >375 TR <2.0 0.0 0.0 0.0 0.0	17.06 16.8-22.9 17.45 370 >375 400 TR <2.0	17.06 16.8-22.9 17.45 18.01 370 >375 400 425 TR <2.0	17.06 16.8-22.9 17.45 18.01 17.97 370 >375 400 425 380 TR <2.0	17.06 16.8-22.9 17.45 18.01 17.97 18.04 370 >375 400 425 380 385 TR <2.0

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE