

OIL REPORT
 LAB NUMBER:
 D94975
 U

 REPORT DATE:
 11/16/2009
 C

 CODE:
 20/286
 P

UNIT ID: 08 M3 CLIENT ID: 37968 PAYMENT:

TINIT

MAKE/MODEL: BMW 4.0L (S65) V-8 FUEL TYPE: Gasoline (Unleaded) ADDITIONAL INFO: OIL TYPE & GRADE: OIL USE INTERVAL:

Gasoline Engine Oil 5,900 Miles

CLIENT

BRDHNTR

PHONE: FAX: ALT PHONE: EMAIL:

COMMENTS

BRDHNTR (amended report): Metals showed up a bit high here, and this is likely because the previous oil, as indicated, was run a long time. The engine was still wearing-in then, and the oil was chock-full of metal. Typically, upward to 20% of a given fill remains in the engine when the oil is changed, so that could account for the mildly high metals here. Aluminum is from pistons, iron is from cylinders and other steel parts, while lead is from bearings. The 3.2 TBN shows some active additive left (1.0 is the low cutoff). The viscosity was 20W/50. Try running 4-5K miles next OCI.

	MI/HR on Oil	5,900				
	MI/HR on Unit	22,500	UNIT / LOCATION			UNIVERSAL
	Sample Date	11/15/09	AVERAGES			AVERAGES
	Make Up Oil Added					
NC	ALUMINUM	9	9			3
MILLION	CHROMIUM	0	0			0
JIL	IRON	18	18			7
	COPPER	6	6			3
ER	LEAD	18	18			6
٩.	TIN	5	5			1
RTS	MOLYBDENUM	3	3			65
AR ⁻	NICKEL	0	0			1
ΡA	MANGANESE	1	1			0
Z	SILVER	0	0			0
	TITANIUM	0	0			0
Ľ	POTASSIUM	4	4			1
E	BORON	73	73			60
ELEMENTS	SILICON	5	5			6
	SODIUM	7	7			5
	CALCIUM	1570	1570			2308
	MAGNESIUM	621	621			248
	PHOSPHORUS	845	845			843
	ZINC	1068	1068			984
	BARIUM	0	0			0

Values Should Be*

	SUS Viscosity @ 210°F	91.0						
PROPERTIES	cSt Viscosity @ 100°C	18.22						
	Flashpoint in °F	410	>365					
	Fuel %	<0.5	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	<0.1					
	Insolubles %	0.3	<0.6					
	TBN	3.2						
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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