BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER:	M49232	**UNIT ID:**	160405
REPORT DATE:	8/4/2020	**CLIENT ID:**	36707
CODE:	1/75	**PAYMENT:**	CC: AmEx (Bulk)

UNIT

MAKE/MODEL:	BMW 4.4L Twin Turbo (S63B44)	OIL TYPE & GRADE:	Liqui Moly Special Tec 5W/30
FUEL TYPE:	Gasoline (Unleaded)	OIL USE INTERVAL:	4,978 Miles
ADDITIONAL INFO:	2014 M6		

CLIENT

AL
CHICAGO PERFORMANCE & TUNING
5109 W. LAKE ST.
UNIT B
MELROSE PARK, IL 60160

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COMMENTS

AL: This M6's engine looks spectacular. Averages for this type are based on oil run for about 5,100 miles. This oil was in place for a very similar interval, and every wear metal is exactly 1 ppm away from its average counterpart (except lead, which we're not counting since this engine doesn't have any lead parts). Far from showing a problem, this is a picture of an engine wearing basically exactly how we would expect it to. The viscosity was correct for 5W/30, and the oil was free of contamination from fuel or coolant. No worries at all about this engine; it's doing great.

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	4,978							
MI/HR on Unit	34,703							
Sample Date	7/14/2020							
Make Up Oil Added	0 qts							
ALUMINUM	7	7						6
CHROMIUM	1	1						0
IRON	16	16						15
COPPER	5	5						4
LEAD	0	0						0
TIN	2	2						1
MOLYBDENUM	28	28						83
NICKEL	1	1						0
MANGANESE	1	1						3
SILVER	0	0						0
TITANIUM	1	1						3
POTASSIUM	2	2						2
BORON	8	8						70
SILICON	2	2						5
SODIUM	6	6						6
CALCIUM	2566	2566						2438
MAGNESIUM	158	158						95
PHOSPHORUS	718	718						793
ZINC	871	871						905
BARIUM	0	0						0

(ELEMENTS IN PARTS PER MILLION)

		Values Should Be*						
SUS Viscosity @ 210°F	61.0	56-63						
cSt Viscosity @ 100°C	10.51	9.1-11.3						
Flashpoint in °F	405	>385						
Fuel %	<0.5	<2.0						
Antifreeze %	0.0	0.0						
Water %	0.0	0.0						
Insolubles %	0.2	<0.6						
TBN								
TAN								
ISO Code								

(PROPERTIES)

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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