BLACKSTONE	
(LABORATORIES)	

LAB NUMBER: P44762 **REPORT DATE: 2/28/2022** CODE: 20/68

UNIT ID: 16 X5M CLIENT ID: 100866 PAYMENT: CC: Visa

UNIT	MAKE/MODEL:BMW 4.4L Twin Turbo (S63B44)OIL TYPE & GRADE:Liqui Moly 5W/30FUEL TYPE:Gasoline (Unleaded)OIL USE INTERVAL:1,888 MilesADDITIONAL INFO:1,888 Miles1,888 Miles										
CLIENT	KEVIN MACDONALDPHONE: (816) 805-62881148 NOTTINGHAM DR.FAX:LIBERTY, MO 64068ALT PHONE:EMAIL:khmacdonald@hotmail.com										
COMMENTS	KEVIN: We think your bearings are doing a-okay. Bearing wear shows up as elevated lead, and your engine didn't make any here. After a run of 1,888 miles, other wear metals are nice and low, too (compare to universal averages, which are based on oil runs of ~4,800 miles). Silicon is a tad elevated, which could mean dirt, so you may want to check the air filtration system for cracks or leaks, but dirt often leads to excess wear, which we're not seeing here. Silicon could be harmless, like a sealer. The flashpoint revealed a trace amount of fuel, which isn't a big deal. Try 4K miles!										
	MI/HR on Oil	1,888									
	MI/HR on Unit	50,280							UNIVERSAL		
	Sample Date	2/15/2022	AVERAGES						AVERAGES		
	Make Up Oil Added	0 qts									
NO	ALUMINUM	3	3						5		
Ľ	CHROMIUM	0	0						0		
	IRON	3	3						14		
2	COPPER	1	1						3		
ER	LEAD	0	0						1		
٩	TIN	0	0						1		
လ	MOLYBDENUM	110	110						82		
R	NICKEL	0	0						0		
PA	MANGANESE	1	1						3		
z	SILVER	0	0						0		
	TITANIUM	0	0						3		
SE	POTASSIUM	0	0						1		
	BORON	372	372						70		
Σ	SILICON	10	10						5		
	SODIUM	3	3						6		
	CALCIUM	3333	3333						2444		
	MAGNESIUM	23	23						127		
	PHOSPHORUS	954	954						806		
	ZINC	1062	1062						922		
	BARIUM	0	0						0		
			Values Should Be*								
	SUS Viscosity @ 210°F	58.1	56-65								
	cSt Viscosity @ 100°C	9.67	9.1-11.9								
S	Flashpoint in °F	385	>385								
ΗË	Fuel %	TR	<2.0								
2	Antifreeze %	0.0	0.0								

OIL

REPORT

Water % 0.0 <0.1 Insolubles % ΤR <0.6 ISO Code

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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