



OIL REPORT

LAB NUMBER: S106360
 REPORT DATE: 8/23/2024
 CODE: 20/1,430

UNIT ID: 23 M2
 CLIENT ID: 247220
 PAYMENT: CC Online

UNIT	MAKE/MODEL: BMW 3.0L (S58B30) Twin Turbo I-6	OIL TYPE & GRADE: BMW 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 8,000 KM
	ADDITIONAL INFO:	

CLIENT	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS MIHAI: Everything looks good in your S58's first report. Wear metals fall pretty close in range to the universal averages, and those are based on oil intervals of about 6,300 kilometers. No metals are so high that there appears to be a problem with how the mechanical parts are wearing. There's no notable contamination from dirt (silicon), coolant, water, or fuel dilution. The viscosity is in 5W/30 grade, and the low insolubles level shows effective oil filtration. There's still lots of active additive in this oil, based on the 3.8 TBN reading (2.0 indicates the oil is depleted). Nice!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	8,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	10,000						
	Sample Date	4/25/2024						
	Make Up Oil Added							
ALUMINUM	5	5					5	
CHROMIUM	1	1					0	
IRON	22	22					13	
COPPER	8	8					5	
LEAD	0	0					1	
TIN	1	1					1	
MOLYBDENUM	20	20					84	
NICKEL	0	0					0	
MANGANESE	3	3					4	
SILVER	0	0					0	
TITANIUM	0	0					9	
POTASSIUM	4	4					2	
BORON	41	41					113	
SILICON	5	5					7	
SODIUM	3	3					5	
CALCIUM	1576	1576					1752	
MAGNESIUM	17	17					473	
PHOSPHORUS	562	562					740	
ZINC	717	717					839	
BARIUM	3	3					1	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	60.6	56-67				
	cSt Viscosity @ 100°C	10.38	9.1-12.4				
	Flashpoint in °F	405	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.3	<0.6				
	TBN	3.8	>1.0				
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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