



OIL REPORT

LAB NUMBER: S168802
 REPORT DATE: 1/9/2025
 CODE: 44/88

UNIT ID: 24 GRENADIER
 CLIENT ID: 263044
 PAYMENT: CC Online

UNIT	MAKE/MODEL: BMW 3.0L (B58B30) Turbo I-6	OIL TYPE & GRADE: Gasoline Engine Oil
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,535 Miles
	ADDITIONAL INFO: Ineos	

CLIENT	
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COMMENTS RON: Congrats on the new BMW, and thanks for the notes! Your sampling method worked well, and there's no fuel dilution, coolant, or moisture in this oil. Silicon is high, and that element can show dirt, but in this case, it looks more like assembly sealers/lubes that haven't had a chance to wash out yet. Wear-in explains the excess metal too, and we should see decreases at aluminum, iron, and copper with more oil changes. Eventually we'll expect levels to resemble universal averages, which show typical wear for a B58 after a ~5,200-mile run. Check back for progress.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,535	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	5,535						
	Sample Date	12/15/2024						
	Make Up Oil Added	0 qts						
ALUMINUM	15	15						4
CHROMIUM	1	1						0
IRON	31	31						10
COPPER	20	20						2
LEAD	0	0						0
TIN	1	1						0
MOLYBDENUM	544	544						97
NICKEL	0	0						0
MANGANESE	4	4						4
SILVER	0	0						0
TITANIUM	0	0						5
POTASSIUM	2	2						1
BORON	32	32						112
SILICON	22	22						9
SODIUM	9	9						11
CALCIUM	1951	1951						1859
MAGNESIUM	9	9						353
PHOSPHORUS	628	628						753
ZINC	774	774						877
BARIUM	0	0						0

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	49.4					
	cSt Viscosity @ 100°C	7.10					
	Flashpoint in °F	390	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.1	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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