



OIL REPORT

LAB NUMBER:
 REPORT DATE: 8/26/2024
 CODE: 63/88

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: BMW 3.0L (S58B30) Twin Turbo I-6	OIL TYPE & GRADE: BMW 0W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 2,000 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS Fuel dilution disappeared. We aren't sure what causes so much fuel to show up last time, but we don't suspect an ongoing issue based on this data. The viscosity is correct, and no water or coolant contamination is present. Metals are in great shape after 2,000 miles on the oil and there isn't any sign of a mechanical issue in the established trend. With any luck, fuel dilution will stay at non-cautionary levels and other contaminants will stay away. The air and oil filters are both doing a good job as evidenced by low silicon and insolubles. Keep up the good work!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	2,000	UNIT / LOCATION AVERAGES	1,600	2,000					UNIVERSAL AVERAGES
	MI/HR on Unit	6,400		4,800	3,200					
	Sample Date	8/2/2024		4/16/2024	12/31/2023					
	Make Up Oil Added	0 qts		0 qts	0 qts					
ALUMINUM	4	4	4	5						5
CHROMIUM	0	0	0	0						0
IRON	5	8	7	11						13
COPPER	3	4	4	6						5
LEAD	0	0	1	0						1
TIN	1	1	1	0						1
MOLYBDENUM	70	73	71	77						84
NICKEL	0	0	0	0						0
MANGANESE	1	1	1	2						4
SILVER	0	0	0	0						0
TITANIUM	16	16	17	14						9
POTASSIUM	2	1	1	0						2
BORON	114	108	113	98						113
SILICON	4	5	5	7						7
SODIUM	3	4	4	4						5
CALCIUM	1060	1183	1129	1359						1747
MAGNESIUM	810	749	803	634						475
PHOSPHORUS	666	702	703	736						740
ZINC	745	766	756	797						839
BARIUM	1	2	1	3						1

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	55.1	55-66	53.8	55.5				
	cSt Viscosity @ 100°C	8.79	8.8-12.2	8.43	8.91				
	Flashpoint in °F	400	>385	270	380				
	Fuel %	<0.5	<2.0	5.8	TR				
	Antifreeze %	0.0	0.0	0.0	0.0				
	Water %	0.0	0.0	0.0	0.0				
	Insolubles %	0.1	<0.6	TR	TR				
	TBN								
	TAN								
	ISO Code								

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com