

OIL REPORT

LAB NUMBER:

REPORT DATE: 3/18/2021

CLIENT ID:

CODE: 63/68

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TINC

MAKE/MODEL: BMW 3.2L (S54B32) I-6

FUEL TYPE: Gasoline (Unleaded)

ADDITIONAL INFO:

OIL TYPE & GRADE:

Liqui Moly GTI 10W/60

OIL USE INTERVAL: 1,312 Miles

CHANDLER HOCKERT

SAN DE

PHONE: FAX:

ALT PHONE:

EMAIL:

STNEMMC

CHANDLER: Thanks for your service, and welcome home! You said you changed the oil early as a preventative measure since it was in the engine for 10 months. Next time, feel free to go by miles alone. Oil won't go bad from sitting in the engine, and modern ones like your S54 are sealed up well enough that contamination isn't usually a concern. Metals are all fine for a run of 1,312 miles and don't suggest any extra wear, and from what we're seeing all looks to be well. There's no detectible fuel or coolant in the oil, and the viscosity was in spec for 10W/60. Good report!

	MI/HR on Oil	1,312		3,600	3,500				
	MI/HR on Unit	116,716	UNIT / LOCATION AVERAGES	115,400	112,000			UNIVERSAL	
	Sample Date	3/7/2021		5/29/2019	2/17/2018	8/23/2017		AVERAGES	
	Make Up Oil Added			1 qt	0.5 qts	1 qt			
ER MILLION	ALUMINUM	4	4	5	5	2		4	
	CHROMIUM	0	0	0	0	0		0	
	IRON	7	8	6	7	11		9	
	COPPER	10	14	16	17	14		8	
	LEAD	1	8	4	8	19		6	
Д	TIN	0	0	0	0	0		0	
ITS IN PARTS	MOLYBDENUM	203	116	147	100	12		97	
	NICKEL	0	0	0	0	1		0	
	MANGANESE	1	1	1	0	0		1	
	SILVER	0	0	0	0	0		0	
	TITANIUM	0	0	0	0	1		12	
	POTASSIUM	0	1	0	2	2		1	
	BORON	37	43	30	50	53		58	
EM	SILICON	5	5	4	5	4		5	
ä	SODIUM	3	4	6	2	5		7	
	CALCIUM	3114	2648	2910	2227	2339		2371	
	MAGNESIUM	15	16	11	11	25		154	
	PHOSPHORUS	962	882	887	828	850		853	
	ZINC	1133	1018	993	924	1020		994	
	BARIUM	0	0	0	0	0		0	

Values

Should Be*

SUS Viscosity @ 210°F	87.0	80-100	87.9	86.6	76.5	
cSt Viscosity @ 100°C	17.26	15.5-20.6	17.48	17.15	14.63	
Flashpoint in °F	405	>385	390	380	395	
Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5	
Antifreeze %	0.0	0.0	0.0	0.0	0.0	
Water %	0.0	0.0	0.0	0.0	0.0	
Insolubles %	0.2	<0.6	0.1	0.2	0.2	
TBN						
TAN	·					·
ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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