

OIL REPORT

LAB NUMBER: J64930 **REPORT DATE:** 9/29/2017

CODE: 63/32

UNIT ID: 07 Z4M
CLIENT ID: 109974
PAYMENT: CC: Visa

LIN

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

FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: Track use

OIL TYPE & GRADE: Liqui Moly Race Tech GT1 10W/60

OIL USE INTERVAL: 2,881 Miles

LIENT

PHONE: FAX: ALT PHC EMAIL:

OMMENTS

This Z4M has been doing great under your ownership. Wear metals are staying steady and low in spite of a good thrashing at the track. Low wear results like this show that the engine doesn't mind the hard use, and that also shows an engine that's in good mechanical health. There's no fuel dilution or other contamination in the sample, and the viscosity tested in the 10W/60 range, which is what you've been using in the past. Hopefully you can get some more track days in before the cold weather sets in. Keep up the good work!

	MI/HR on Oil	2,881		2,600	2,145	5,000		
	MI/HR on Unit	37,761	LOCATION :	34,600	30,692	24,100		UNIVERSAL AVERAGES
	Sample Date	9/26/2017		5/21/2017	6/2/2016	10/2/2013		
	Make Up Oil Added			5.5 liters	0 qts	0 qts		
N	ALUMINUM	3	3	2	3	4		4
MILLIO	CHROMIUM	0	0	0	0	0		0
⊌	IRON	6	7	6	6	9		10
	COPPER	1	2	1	2	4		8
뚭	LEAD	0	3	0	0	12		5
Д	TIN	0	0	0	0	0		1
ARTS	MOLYBDENUM	75	72	23	190	1		79
	NICKEL	0	0	0	0	0		1
Ъ	MANGANESE	1	1	0	1	2		1
Z	SILVER	0	0	0	0	0		0
S	TITANIUM	1	11	2	40	0		11
Ĕ	POTASSIUM	2	2	2	1	2		2
	BORON	42	60	65	49	86		66
M	SILICON	4	4	4	4	3		5
규	SODIUM	7	5	5	5	4		7
	CALCIUM	2788	2345	2197	2880	1515		2137
	MAGNESIUM	28	192	53	64	623		259
	PHOSPHORUS	906	836	807	812	819		833
	ZINC	1058	981	897	1037	930		990
	BARIUM	0	0	0	0	0		0

Values

Should Be*

	SUS Viscosity @ 210°F	84.9	80-100	81.3	92.4	86.7	
	cSt Viscosity @ 100°C	16.73	15.5-20.6	15.86	18.56	17.18	
S	Flashpoint in °F	420	>370	385	415	350	
	Fuel %	<0.5	<2.0	<0.5	<0.5	2.3	
Œ	Antifreeze %	0.0	0.0	0.0	0.0	0.0	
Ы	Water %	0.0	<0.1	0.0	0.0	0.0	
30	Insolubles %	TR	<0.6	0.1	TR	0.2	
Д	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