



OIL REPORT

LAB NUMBER: [REDACTED]
REPORT DATE: [REDACTED]
CODE: [REDACTED]

UNIT ID: [REDACTED]
CLIENT ID: [REDACTED]
PAYMENT: [REDACTED]

UNIT	MAKE/MODEL:	BMW 4.0L (S65B40) V-8 2008-2011	OIL TYPE & GRADE:	BMW M Twinpower Turbo 10W/60
	FUEL TYPE:	Gasoline (Unleaded)	OIL USE INTERVAL:	5,650 Miles
	ADDITIONAL INFO:	E96		

CLIENT	[REDACTED]	PHONE:	[REDACTED]
		FAX:	
		ALT PHONE:	
		EMAIL:	[REDACTED].com

COMMENTS	BRYAN: This oil actually looks more like Castrol TWS than BMW Twin Power Turbo, but the viscosity reads like a 10W/60 and it did a great job in your engine. Wear metals, bearing wear included, are all nice and low, giving absolutely no indications of mechanical problems in this M3. A bearing problem for this model year S-65 might produce high lead, copper, and tin. The only blemish on this report is for a small amount of fuel, but 0.5% is nothing to write home about. You can get that just from starting the engine before an oil change. Looks like a really nice engine!
----------	---

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,650	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	43,500							
	Sample Date	7/8/2016							
	Make Up Oil Added	1.5 qts							
	ALUMINUM	4	4						4
	CHROMIUM	0	0						0
	IRON	7	7						8
	COPPER	2	2						2
	LEAD	2	2						8
	TIN	1	1						1
	MOLYBDENUM	203	203						125
	NICKEL	0	0						1
	MANGANESE	1	1						1
	SILVER	0	0						0
	TITANIUM	34	34						20
	POTASSIUM	1	1						2
	BORON	34	34						53
	SILICON	3	3						4
	SODIUM	7	7						7
	CALCIUM	3291	3291						2557
	MAGNESIUM	28	28						135
	PHOSPHORUS	951	951						839
	ZINC	1265	1265						990
	BARIUM	0	0						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	90.8	80-100					
	cSt Viscosity @ 100°C	18.17	15.5-19.4					
	Flashpoint in °F	385	>395					
	Fuel %	0.5	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	<0.1					
	Insolubles %	0.1	<0.6					
	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