

OIL REPORT LAB NUMBER: F76649

**REPORT DATE: 10/1/2013** 

**UNIT ID:** 09 M3

CLIENT ID:

MAKE/MODEL:

BMW 4.0L (S65) V-8

FUEL TYPE: Gasoline (Unleaded) ADDITIONAL INFO: Supercharged OIL TYPE & GRADE:

CODE: 20/501

Castrol Edge Professional TWS 10W/6

PAYMENT: CC: MC

OIL USE INTERVAL:

5,500 Miles



PHONE: FAX:

ALT PHONE:

EMAIL:

COMMENTS

DYLAN: It would be hard to ask for much better results than these. Universal averages for the M3's S65 engine are based on ~5,800 miles of oil use; your oil run was very similar, and the engine produced wear metals that were nearly identical to our average levels. In fact, aluminum and iron were exactly the same, while copper and lead were reading below average levels, so your bearing wear is better than most we've seen. No moisture, dirt, or insolubles were found, and the TBN is good at 3.4, showing plenty of active additive remaining in the oil. Try 7,500 miles next. Nice!

MI/HR on Oil	5,500	五 以 为 ( 汉 次 )	AND THE PROPERTY OF THE PARTY OF	17 DE 15/2 (2)
MI/HR on Unit	70,243 09/26/13 9 qts	UNIT /		UNIVERSAL
Sample Date		LOCATION AVERAGES	THE PERSON NAMED IN COLUMN	AVERAGE
Make Up Oil Added		AVERAGES TO THE PARTY OF THE PA		1313
ALUMINUM	5	5		5
ALUMINUM CHROMIUM IRON	0	0		0
<b>■</b> IRON	8	8		8
COPPER	2	2		4
# LEAD	3	3		8
□ TIN	0	0		1
✓ MOLYBDENUM	194	194		54
MOLYBDENUM NICKEL MANGANESE	0	0		1
MANGANESE	1	1		1
≥ SILVER	0	0		0
TITANIUM	37	37		6
POTASSIUM	2	2		2
POTASSIUM BORON	34	34		74
SILICON	5	5		4
SODIUM	11	11		6
CALCIUM	2932	2932		1975
MAGNESIUM	102	102		468
PHOSPHORUS	888	888		859
ZINC	1047	1047		1018
BARIUM	0	0		0

Values Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	93.8	80-95	
	cSt Viscosity @ 100°C	18.89	15.5-19.4	
	Flashpoint in °F	420	>395	
	Fuel %	<0.5	<2.0	
	Antifreeze %	0.0	0.0	
	Water %	0.0	<0.1	
	Insolubles %	TR	<0.6	
	TBN	3.4	>1.0	
	TAN		1000	
	ISO Code	-		

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE