



OIL REPORT

LAB NUMBER: H41067

UNIT ID: 07 M COUPE

REPORT DATE: 3/30/2016

CLIENT ID: 93772

CODE: 20/32

PAYMENT: CC: AmEx

UNIT

MAKE/MODEL: BMW 3.2L (S54B32) I6
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Castrol TWS 10W/60
OIL USE INTERVAL: 4,324 Miles

CLIENT

CHASE BAILEY
8204 BALTIMORE AVE
UNIVERSITY VIEW 1, APT #1627C
COLLEGE PARK, MD 20740

PHONE: (410) 703-4162
FAX:
ALT PHONE:
EMAIL: calichase33@gmail.com

COMMENTS

CHASE: Thanks for the note on the cold sample. That probably accounts for the fuel dilution in this sample, and that's fine. Fuel is okay up to about 2.0%. If you start to get more fuel than that and/or it causes the viscosity to read low, then we worry a little more, but you're fine for now. Wear metals look quite good compared to averages, which show typical wear levels for this engine type after about 5,000 miles on the oil. Your interval was similar, and wear levels stack up appropriately. We can't find anything wrong with this first sample! So far, so good.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,324	UNIT / LOCATION AVERAGES							UNIVERSAL AVERAGES
	MI/HR on Unit	69,804								
	Sample Date	2/21/2016								
	Make Up Oil Added	0 qts								
	ALUMINUM	5		5						
	CHROMIUM	0		0						
	IRON	11		11						
	COPPER	2		2						
	LEAD	8		8						
	TIN	0		0						
	MOLYBDENUM	166		166						
	NICKEL	1		1						
	MANGANESE	1		1						
	SILVER	0		0						
	TITANIUM	38		38						
	POTASSIUM	0		0						
	BORON	29		29						
	SILICON	5		5						
	SODIUM	10		10						
	CALCIUM	2772		2772						
	MAGNESIUM	67		67						2032
	PHOSPHORUS	822		822						355
	ZINC	952		952						846
	BARIUM	0		0						1007
										0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	89.4	80-100					
	cSt Viscosity @ 100°C	17.84	15.5-20.6					
	Flashpoint in °F	360	>375					
	Fuel %	0.8	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	0.0					
	Insolubles %	0.1	<0.6					
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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