BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER: G29085 **UNIT ID:** 14 BMW
REPORT DATE: 8/21/2014 **CLIENT ID:**
CODE: 20/75 **PAYM**

UNIT

MAKE/MODEL: BMW 3.0L (N55) I-6 Turbo
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: 2014 BMW 435

OIL TYPE & GRADE: BMW 5W/30
OIL USE INTERVAL: 2,150 Miles

CLIENT

PHONE
FAX:
ALT PHONE:
EM

COMMENTS

MARTIN: There's nothing cautionary in this factory oil from your new 435. Universal averages show typical wear levels for this type of engine after about 5,500 miles on the oil. As you can see, there are some higher than average numbers here after just 2,150 miles on the oil, but that's pretty normal in a new engine. The higher wear is from new parts going through the wear-in process. You should see improvements next time, even if you run longer on the oil. The viscosity is just slightly thin, but that shouldn't hurt anything. No fuel or coolant is present.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	2,150							
MI/HR on Unit	2,150							
Sample Date	08/05/14							
Make Up Oil Added	0 qts							
ALUMINUM	21							12
CHROMIUM	1							1
IRON	**83**							53
COPPER	14							9
LEAD	1							1
TIN	2							1
MOLYBDENUM	48							117
NICKEL	0							1
MANGANESE	5							5
SILVER	0							0
TITANIUM	0							0
POTASSIUM	5							4
BORON	57							60
SILICON	8							6
SODIUM	7							7
CALCIUM	1999							2319
MAGNESIUM	16							82
PHOSPHORUS	852							860
ZINC	1039							1017
BARIUM	0							0

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	**56.8**	57-65					
cSt Viscosity @ 100°C	**9.30**	9.4-11.9					
Flashpoint in °F	440	>365					
Fuel %	<0.5	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	<0.1					
Insolubles %	0.2	<0.6					
TBN							
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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