



# OIL REPORT

REPORT DATE: 8/31/2016  
CODE:

UNIT ID: R1200RTW

CLIENT ID:

PAYMENT:

UNIT	BMW Motorcycle 1200cc	BMW Advantec Ultimate 5W/40
	Gasoline (Unleaded)	OIL USE INTERVAL: 3,600 Miles
ADDITIONAL INFO: 2015		

CLIENT	LAFS	EMAIL:

COMMENTS	LEE: Nothing too unusual showed up in this first sample from your Beemer. High aluminum and iron are residual from the break-in since this engine is still new and they should decrease in the next sample. We usually also find high silicon in this kind of samples, so we like the fact that your level was already low. It shows the air filter is doing a nice job. The viscosity was just a hair low, but that's not a concern. The TBN of 5.8 shows there was plenty of active additive left when the oil was changed, so try going up to our average interval of 5,000 miles next time. So far, so good!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3,600	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	4,000							
	Sample Date	8/25/2016							
	Make Up Oil Added	0 qts							
	ALUMINUM	10	10						3
	CHROMIUM	1	1						0
	IRON	40	40						11
	COPPER	9	9						6
	LEAD	1	1						3
	TIN	1	1						1
	MOLYBDENUM	114	114						51
	NICKEL	0	0						1
	MANGANESE	2	2						1
	SILVER	0	0						0
	TITANIUM	0	0						0
	POTASSIUM	2	2						1
	BORON	62	62						35
	SILICON	7	7						6
	SODIUM	7	7						16
	CALCIUM	2030	2030						2062
	MAGNESIUM	6	6						211
	PHOSPHORUS	752	752						1125
	ZINC	904	904						1337
	BARIUM	2	2						0

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	64.9	65-78					
	cSt Viscosity @ 100°C	11.58	11.6-15.3					
	Flashpoint in °F	400	>385					
	Fuel %	<0.5	<2.0					
	Antifreeze %	-	0.0					
	Water %	0.0	0.0					
	Insolubles %	0.2	<0.6					
	TBN	5.8	>1.0					
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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