



OIL REPORT

LAB NUMBER:
 REPORT DATE: 4/12/2018
 CODE: 20/32

UNIT ID: 15 S1000RR
 CLIENT ID:
 PAYMENT: Prepaid

UNIT	MAKE/MODEL: BMW Motorcycle S1000RR	OIL TYPE & GRADE: Castrol 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 1,500 Miles
	ADDITIONAL INFO:	

CLIENT	
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COMMENTS No serious problems to report in this first sample from your BMW. Universal averages show typical wear levels for this type of engine after about 2,600 miles on the oil. This was a shorter run, so maybe a bit less iron would have been nice, but this level isn't nearly bad enough to call a problem at steel parts. It's always possible that a little extra iron will just be normal for this engine and the use it sees. We'll know more as trends develop. The thin viscosity is not harmful and wasn't caused by excess fuel dilution. The air and oil filters kept silicon and insolubles low. Nice.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	1,500	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	10,000						
	Sample Date	4/2/2018						
	Make Up Oil Added	0 qts						
ALUMINUM	13	13					26	
CHROMIUM	0	0					0	
IRON	23	23					25	
COPPER	5	5					7	
LEAD	0	0					6	
TIN	0	0					1	
MOLYBDENUM	1	1					63	
NICKEL	1	1					1	
MANGANESE	1	1					1	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	0	0					2	
BORON	50	50					48	
SILICON	8	8					12	
SODIUM	1	1					4	
CALCIUM	692	692					1809	
MAGNESIUM	1119	1119					343	
PHOSPHORUS	1022	1022					978	
ZINC	1169	1169					1127	
BARIUM	0	0					1	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°	60.6	65-78				
	cSt Viscosity @ 100°C	10.38	11.6-15.3				
Flashpoint in °F	410	>375					
Fuel %	<0.5	<2.0					
Antifreeze %	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

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