



# OIL REPORT

LAB NUMBER  
 REPORT DATE: 6/8/2017  
 CODE: 20/32

UNIT ID: 10 DUCATI  
 CLIENT ID:  
 PAYMENT: CC: MC

<b>UNIT</b>	MAKE/MODEL: Ducati 1198cc	OIL TYPE & GRADE: Shell 15W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,000 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	:
	:
	:
	:
	:

**COMMENTS** You called it on the coolant contamination. Sodium isn't found in this oil and neither is molybdenum. We suspect both are coming from anti-freeze, and there's also moisture in the sample. Copper also tested very high. If this bike has a liquid cooled oil cooler or similar component, that would be a possible source of copper and anti-freeze. Coolant could also be from a problem such as a blown head gasket. We can't say for sure, but these results do indicate a problem with the engine. Check back after repairs to see how things are holding up.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	5,000	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	20,000						
	Sample Date	6/1/2017						
	Make Up Oil Added							
ALUMINUM	11	40					24	
CHROMIUM	0	0					0	
IRON	26	16					20	
COPPER	100	19					3	
LEAD	24	85					14	
TIN	1	0					0	
MOLYBDENUM	186	32					65	
NICKEL	2	1					1	
MANGANESE	2	2					1	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	6	3					2	
BORON	17	59					50	
SILICON	12	9					15	
SODIUM	775	133					8	
CALCIUM	1705	2372					1980	
MAGNESIUM	16	17					236	
PHOSPHORUS	850	877					1016	
ZINC	1090	1008					1138	
BARIUM	1	0					1	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°	60.0	75-101				
	cSt Viscosity @ 100°C	10.22	14.3-20.8				
	Flashpoint in °F	340	>390				
	Fuel %	2.5	<2.0				
	Antifreeze %	1.55	0.0				
	Water %	POS	0.0				
	Insolubles %	2.0	<0.6				
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380