



OIL REPORT

LAB NUMBER: L63099
 REPORT DATE: 10/7/2019
 CODE:

UNIT ID: 19 CRF450L
 CLIENT ID:
 PAYMENT: Prepaid

UNIT	MAKE/MODEL: Honda Motorcycle 449cc single-cyl	OIL TYPE & GRADE: Castrol Power RS R4 4T 10W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 1,000 Miles
	ADDITIONAL INFO:	

CLIENT	  netmagi	<p><i>Thanks for your likes and subscribes. They make doing stuff like this oil analysis possible.</i></p> <p>https://youtube.com/c/netmagi</p>
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COMMENTS RICH: Thanks for the note. Our universal averages are based on ~580 miles, almost the exact same as Honda's recommended interval. For the miles on the oil, iron really isn't bad (on a ppm/mile basis, it's only slightly elevated). Aluminum has room to improve, but chances are good it will. If this is just the second oil change, aluminum is probably high due to lingering wear-in. The low viscosity is due in part to normal shearing and fuel. We'd check back on fuel since 2.0% is high, but hopefully a cold sample factored into this result. The TBN was strong. Try 1k miles again.

	MI/HR on Oil	1,000							
	MI/HR on Unit	1,600	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	Sample Date	9/14/2019							
	Make Up Oil Added	0 qts							
ELEMENTS IN PARTS PER MILLION	ALUMINUM	20	20						6
	CHROMIUM	1	1						0
	IRON	29	29						12
	COPPER	6	6						24
	LEAD	0	0						6
	TIN	4	4						1
	MOLYBDENUM	12	12						29
	NICKEL	3	3						1
	MANGANESE	2	2						5
	SILVER	0	0						42
	TITANIUM	1	1						0
	POTASSIUM	0	0						1
	BORON	77	77						72
	SILICON	11	11						7
	SODIUM	5	5						66
	CALCIUM	911	911						1926
	MAGNESIUM	886	886						204
	PHOSPHORUS	975	975						922
ZINC	1084	1084						1112	
BARIUM	5	5						4	

Values Should Be*

PROPERTIES									
SUS Viscosity @ 210°F	57.4	65-76							
cSt Viscosity @ 100°C	9.48	11.6-14.8							
Flashpoint in °F	335	>375							
Fuel %	2.0	<2.0							
Antifreeze %	0.0	0.0							
Water %	0.0	<0.1							
Insolubles %	0.1	<0.6							
TBN	5.9	>1.0							
TAN									
ISO Code									

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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