



OIL REPORT

LAB NUMBER: N67957

UNIT ID: 21 PIONEER

REPORT DATE: 7/28/2021

CLIENT ID: 185212

CODE: 170/68

PAYMENT: Prepaid

UNIT	MAKE/MODEL:	Honda Motorcycle 999cc 2-cylinder	OIL TYPE & GRADE:	Gasoline Engine Oil
	FUEL TYPE:	Gasoline (Unleaded)	OIL USE INTERVAL:	100 Miles
	ADDITIONAL INFO:			

CLIENT	PHONE:	[REDACTED]
	FAX:	[REDACTED]
	ALT PHONE:	[REDACTED]
	EMAIL:	[REDACTED]

COMMENTS	JIM: Your Pioneer's first sample looks pretty good, all told. Factory oil samples can contain a lot of wear metal and silicon from wear-in and sealers/lubes, but we aren't seeing that. Copper is high compared to the universal averages (based on ~1,900 miles), but that's it. Maybe metals didn't have much time to accumulate in these 100 miles. We might find wear metals reading a higher in future samples, but they should settle down after a few oil changes. The viscosity measured in the range of a 0W/20 or 5W/20, and no contamination was noted. So far, so good!
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	100	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	100							
	Sample Date	7/17/2021							
	Make Up Oil Added	0 qts							
	ALUMINUM	3	3						8
	CHROMIUM	0	0						0
	IRON	9	9						21
	COPPER	21	21						6
	LEAD	1	1						1
TIN	0	0						1	
MOLYBDENUM	55	55						43	
NICKEL	0	0						0	
MANGANESE	2	2						1	
SILVER	0	0						0	
TITANIUM	0	0						0	
POTASSIUM	1	1						1	
BORON	46	46						49	
SILICON	12	12						10	
SODIUM	5	5						17	
CALCIUM	2481	2481						2318	
MAGNESIUM	12	12						219	
PHOSPHORUS	866	866						1021	
ZINC	984	984						1101	
BARIUM	11	11						2	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	55.8					
	cSt Viscosity @ 100°C	9.02					
	Flashpoint in °F	395	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	TR	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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