



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

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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