



# OIL REPORT

LAB NUMBER: P59332  
 REPORT DATE: 4/8/2022  
 CODE: 20/68

UNIT ID: 2021 RANGER  
 CLIENT ID: 199458  
 PAYMENT: CC: Visa

<b>UNIT</b>	MAKE/MODEL: Ford 2.3L 4-cyl EcoBoost	OIL TYPE & GRADE: Motorcraft Synthetic Blend 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,200 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	CHRISTIAN CLARK	PHONE: (910) 548-9265
	101 LINDEN RD	FAX:
	RICHLANDS, NC 28574	ALT PHONE:
		EMAIL: chjacl74@gmail.com

**COMMENTS** CHRISTIAN: Fuel in the oil will lower a sample's flashpoint, and your sample's 390°F flashpoint is high enough to show no significant fuel in the oil. This test doesn't rule out fuel dilution altogether, but if your EcoBoost had a fuel dilution problem, the flashpoint would be lower than this. The viscosity tested a little low, and because it wasn't thinned down by fuel, chances are good it's just from shearing over the course of normal operation. That's pretty common (and harmless) in Turbos. Engine wear looks great, and there's no coolant contamination. Nice Ford!

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	4,200	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	6,700						
	Sample Date	3/26/2022						
	Make Up Oil Added	0 qts						
ALUMINUM	4	4					4	
CHROMIUM	0	0					0	
IRON	5	5					11	
COPPER	7	7					4	
LEAD	0	0					0	
TIN	0	0					0	
MOLYBDENUM	105	105					99	
NICKEL	0	0					0	
MANGANESE	1	1					2	
SILVER	0	0					0	
TITANIUM	0	0					2	
POTASSIUM	1	1					4	
BORON	115	115					108	
SILICON	26	26					21	
SODIUM	5	5					10	
CALCIUM	1171	1171					1671	
MAGNESIUM	513	513					346	
PHOSPHORUS	728	728					719	
ZINC	837	837					807	
BARIUM	8	8					2	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	50.1	54-63				
	cSt Viscosity @ 100°C	7.30	8.5-11.3				
	Flashpoint in °F	390	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.1	<0.6				
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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