



OIL REPORT

LAB NUMBER:
 REPORT DATE: 1/12/2022
 CODE: 170/698

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Ford 2.3L 4-cyl EcoBoost	OIL TYPE & GRADE: 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,000 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS This sample has fuel in it-- the low flashpoint shows 2.8%. That's more fuel than we'd expect from normal operational factors, so we'd suggest watching for a rising oil level at the dipstick as a sign of excess fuel building up. The viscosity is a little bit low, and that's because the oil was thinned by fuel. On the bright side, wear is good. Universal averages for the Ford 2.3L EcoBoost are based on oil run ~5,100 miles, and your metals match up well, showing internal parts are doing fine. The 2.1 TBN means there was active additive left. Check back on fuel.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,000	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	10,100						
	Sample Date	12/20/2021						
	Make Up Oil Added	0 qts						
ALUMINIUM	4	4					4	
CHROMIUM	0	0					0	
IRON	14	14					11	
COPPER	4	4					4	
LEAD	0	0					0	
TIN	0	0					0	
MOLYBDENUM	53	53					98	
NICKEL	0	0					0	
MANGANESE	0	0					1	
SILVER	0	0					0	
TITANIUM	12	12					2	
POTASSIUM	0	0					4	
BORON	20	20					110	
SILICON	21	21					21	
SODIUM	4	4					10	
CALCIUM	702	702					1705	
MAGNESIUM	503	503					332	
PHOSPHORUS	516	516					723	
ZINC	585	585					808	
BARIUM	0	0					2	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	48.5	55-63				
	cSt Viscosity @ 100°C	6.82	8.8-11.3				
	Flashpoint in °F	330	>385				
	Fuel %	2.8	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.3	<0.6				
	TBN	2.9	>1.0				
	TAN						
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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