



OIL REPORT

LAB NUMBER:
REPORT DATE: 6/6/2022
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	Better! Fuel cleared up to just a trace, which is minor enough that it could be chalked up to normal operation like short trips or idling. With any luck fuel will stay low like this or clear up altogether. Wear metals look great, too. Iron's a little higher, but this looks like the normal variation that we can expect from one oil change interval to the next, not anything like poor steel wear. Other metals are in great shape, and no coolant or excess dirt was found. The TBN of 3.4 shows active additive remained in this fill when it was changed.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5,000	UNIT / LOCATION AVERAGES	5,000					UNIVERSAL AVERAGES
	MI/HR on Unit	15,000		10,100					
	Sample Date	5/21/2022		12/20/2021					
	Make Up Oil Added	0 qts		0 qts					
	ALUMINUM	3	4	4					4
	CHROMIUM	0	0	0					0
	IRON	17	16	14					11
	COPPER	2	3	4					4
	LEAD	0	0	0					0
	TIN	0	0	0					0
	MOLYBDENUM	76	65	53					99
	NICKEL	0	0	0					0
	MANGANESE	1	1	0					2
	SILVER	0	0	0					0
	TITANIUM	4	8	12					2
	POTASSIUM	1	1	0					4
	BORON	66	43	20					106
	SILICON	14	18	21					20
	SODIUM	5	5	4					10
	CALCIUM	1129	916	702					1648
	MAGNESIUM	800	652	503					358
	PHOSPHORUS	660	588	516					718
	ZINC	785	685	585					805
	BARIUM	0	0	0					2

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	53.6	55-63	48.5				
	cSt Viscosity @ 100°C	8.36	8.8-11.3	6.82				
	Flashpoint in °F	380	>385	330				
	Fuel %	TR	<2.0	2.8				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	0.0	0.0				
	Insolubles %	0.2	<0.6	0.3				
	TBN	3.4	>1.0	2.9				
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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