



OIL REPORT

LAB NUMBER:
 REPORT DATE: 10/25/2023
 CODE: 20/88

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Ford 2.3L 4-cyl EcoBoost	OIL TYPE & GRADE: Amsoil 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 7,525 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS You've certainly got our blessing for a 10,000-mile run. There's nothing concerning in your engine's second report. Wear-in materials are washing out just like we'd expect them too, and the progress should continue even after a longer oil run. The minor fuel we're seeing (0.8%) this time is still nothing to get worked up over, and may even prove to be the norm for your engine if you do a lot of idling or take mostly short drives. The viscosity could be due to harmless shearing and it may be hard to avoid too. Whatever the cause, it's not troublesome. Nice Ford!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	7,525	UNIT / LOCATION AVERAGES	7,498			UNIVERSAL AVERAGES
	MI/HR on Unit	15,023		7,498			
	Sample Date	10/1/2023		4/21/2023			
	Make Up Oil Added	0.50 qts		0.50 qts			
ALUMINUM	7	9	11			4	
CHROMIUM	0	0	0			0	
IRON	9	14	19			11	
COPPER	10	23	36			3	
LEAD	0	1	1			0	
TIN	0	1	1			0	
MOLYBDENUM	77	109	141			101	
NICKEL	0	0	0			0	
MANGANESE	1	2	3			2	
SILVER	0	0	0			0	
TITANIUM	0	0	0			2	
POTASSIUM	6	5	3			5	
BORON	36	54	71			97	
SILICON	24	49	73			18	
SODIUM	7	8	9			10	
CALCIUM	1197	1359	1520			1549	
MAGNESIUM	488	436	384			399	
PHOSPHORUS	635	703	770			712	
ZINC	679	746	813			797	
BARIUM	0	1	2			2	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	52.0	56-63	51.4		
	cSt Viscosity @ 100°C	7.89	9.1-11.3	7.71		
	Flashpoint in °F	370	>385	385		
	Fuel %	0.8	<2.0	TR		
	Antifreeze %	0.0	0.0	0.0		
	Water %	0.0	0.0	0.0		
	Insolubles %	0.3	<0.6	0.2		
	TBN					
	TAN					
ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com