



OIL REPORT

LAB NUMBER: Q85044

UNIT ID: 22 MAVERICK

REPORT DATE: 3/10/2023

CLIENT ID:

PAYMENT: CC Online (Bulk)

UNIT	MAKE/MODEL: Ford 2.5L 4-cyl Hybrid (Atkinson)	OIL TYPE & GRADE: Motorcraft 0W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 1,200 Miles
	ADDITIONAL INFO:	

CLIENT	PETER	PHONE:
		FAX:
		ALT PHONE:
		EMAIL:

COMMENTS	PETER: Congrats on the new Maverick! Metals and silicon are high in this report, but that's normal to see at the first oil change. The extra metal is from parts wearing in, while silicon comes from sealers and lubes used during assembly. After another few oil changes, those elements should wash out, leaving this engine looking more like universal averages, which show typical wear for this kind of hybrid engine after ~1,200 miles on the oil. No contamination from fuel or coolant was found, and insolubles tested at just 0.2%, so we know the oil filter worked well. So far, so good!
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	1,200	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	1,200							
	Sample Date	1/13/2023							
	Make Up Oil Added	0 qts							
	ALUMINUM	11							
	CHROMIUM	0							
	IRON	11							
	COPPER	44							
	LEAD	0							
	TIN	2							
	MOLYBDENUM	131							
	NICKEL	0							
	MANGANESE	2							
	SILVER	0							
	TITANIUM	0							
	POTASSIUM	1							
	BORON	151							
	SILICON	63							
	SODIUM	9							
	CALCIUM	1170							
	MAGNESIUM	327							
	PHOSPHORUS	666							
	ZINC	681							
	BARIUM	10							

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	48.9	46-57				
	cSt Viscosity @ 100°C	6.92	6.0-9.7				
	Flashpoint in °F	415	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.2	<0.6				
	TBN						
	TAN						
	ISO Code						

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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