



# OIL REPORT

LAB NUMBER:  
 REPORT DATE: 7/23/2025  
 CODE: 83/1,193

UNIT ID:  
 CLIENT ID:  
 PAYMENT:

<b>UNIT</b>	EQUIP. MAKE/MODEL: Ford 3.0L EcoBoost V-6 Twin Turbo	OIL TYPE & GRADE: Motorcraft Synthetic Blend 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 2,687 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

**COMMENTS** Your Ranger's engine looks great! Universal averages show typical wear for this type of engine after about 5,200 miles on the oil. This oil wasn't in use that long and metals are lower, just as one might expect, so no internal issues or poor wear is evident in this data. Some of this metal is probably lingering wear-in material, so we may find some progress next time as that stuff washes out. If not, steady wear is perfectly fine too. The viscosity is a little low for 5W/30 oil, but not because of fuel dilution. Low insolubles show good oil filtration. Nice way to start wear trends!

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	2,687	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	5,187						
	Sample Date	7/5/2025						
	Make Up Oil Added	0 qts						
ALUMINUM	3	3					4	
CHROMIUM	0	0					0	
IRON	7	7					11	
COPPER	5	5					5	
LEAD	0	0					0	
TIN	0	0					0	
MOLYBDENUM	70	70					110	
NICKEL	0	0					0	
MANGANESE	1	1					3	
SILVER	0	0					0	
TITANIUM	0	0					2	
POTASSIUM	1	1					1	
BORON	77	77					63	
SILICON	24	24					16	
SODIUM	7	7					6	
CALCIUM	869	869					1098	
MAGNESIUM	514	514					596	
PHOSPHORUS	669	669					652	
ZINC	723	723					741	
BARIUM	0	0					2	

Values  
Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	50.8	54-63				
	cSt Viscosity @ 100°C	7.51	8.5-11.3				
	Flashpoint in °F	395	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.3	<0.6				
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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