



OIL REPORT

LAB NUMBER:
 REPORT DATE: 12/29/2025
 CODE: 83/1,193

UNIT ID:
 CLIENT ID:
 PAYMENT:

UNIT	EQUIP. MAKE/MODEL: Ford 3.0L EcoBoost V-6 Twin Turbo	OIL TYPE & GRADE: Pennzoil Ultra Platinum 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,497 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS Your Ranger's engine is maturing well. Wear is steady even though this fill was in use longer than the first sample . This consistency speaks to good internal health. This oil's viscosity is a tad thin for 5W/30, but that doesn't seem to have bothered anything. The oil still did a good job protecting the engine's moving parts, and it wasn't thinned by fuel. We didn't find contamination from abrasive dirt or any antifreeze either. Low insolubles speak to good oil filtration. Nice results as of 9,684 miles on the odometer.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,497	UNIT / LOCATION AVERAGES	2,687			UNIVERSAL AVERAGES
	MI/HR on Unit	9,684		5,187			
	Sample Date	12/6/2025		7/5/2025			
	Make Up Oil Added	0 qts		0 qts			
ALUMINUM	4	4	3			4	
CHROMIUM	0	0	0			0	
IRON	9	8	7			11	
COPPER	4	5	5			5	
LEAD	0	0	0			0	
TIN	0	0	0			0	
MOLYBDENUM	78	74	70			108	
NICKEL	0	0	0			0	
MANGANESE	1	1	1			3	
SILVER	0	0	0			0	
TITANIUM	2	1	0			1	
POTASSIUM	1	1	1			1	
BORON	79	78	77			63	
SILICON	9	17	24			16	
SODIUM	7	7	7			6	
CALCIUM	1005	937	869			1093	
MAGNESIUM	680	597	514			593	
PHOSPHORUS	535	602	669			649	
ZINC	672	698	723			738	
BARIUM	0	0	0			2	

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	54.5	56-63	50.8		
	cSt Viscosity @ 100°C	8.63	9.1-11.3	7.51		
	Flashpoint in °F	405	>385	395		
	Fuel %	<0.5	<2.0	<0.5		
	Antifreeze %	0.0	0.0	0.0		
	Water %	0.0	<0.1	0.0		
	Insolubles %	0.1	<0.6	0.3		
	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