OIL REPORT

LAB NUMBER: S320407 **UNIT ID:** 2025 Ranger 2.7l
REPORT DATE: 12/1/2025 **CLIENT ID:** STemplar
CODE: **PAYMENT:**

UNIT

MAKE/MODEL: Ford 2.7L V-6 EcoBoost Twin Turbo
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Amsoil Signature Series 5W/30
OIL USE INTERVAL: 3,013 Miles

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

STemplar: Nice follow-up report for your Ranger. Break-in and assembly materials haven't completely cleared out, but the drops in copper and silicon show that a good deal of leftovers have washed out. We should see even more progress from the next oil change or two. The remaining wear metals are in good shape overall, so we don't suspect that any mechanical issues are in the works at 3,782 miles. The viscosity is a bit thin again, but we didn't detect any measurable fuel, so that's just something to note. The TBN is still plenty strong at 5.3. Overall, great trends.

ELEMENTS IN PARTS PER MILLION

			UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Oil	3,013							
	MI/HR on Unit	3,782		769					
	Sample Date	11/5/2025		5/7/2025					
	Make Up Oil Added	0 qts							
	ALUMINUM	5	4	3					4
	CHROMIUM	1	1	0					0
	IRON	13	12	10					13
	COPPER	**24**	31	**38**					4
	LEAD	0	0	0					0
	TIN	0	0	0					0
	MOLYBDENUM	200	141	81					105
	NICKEL	0	0	0					0
	MANGANESE	3	4	4					1
	SILVER	0	0	0					0
	TITANIUM	0	0	0					2
	POTASSIUM	3	3	3					6
	BORON	184	199	213					57
	SILICON	**40**	79	**117**					19
	SODIUM	8	9	9					8
	CALCIUM	1239	1133	1027					1167
	MAGNESIUM	952	775	598					583
	PHOSPHORUS	738	776	813					660
	ZINC	815	833	851					748
	BARIUM	1	3	4					2

PROPERTIES

		Values Should Be*					
	SUS Viscosity @ 210°F	**54.6**	56-63	**52.9**			
	cSt Viscosity @ 100°C	**8.66**	9.1-11.3	**8.16**			
	Flashpoint in °F	395	>385	405			
	Fuel %	<0.5	<2.0	<0.5			
	Antifreeze %	0.0	0.0	0.0			
	Water %	0.0	0.0	0.0			
	Insolubles %	TR	<0.6	0.2			
	TBN	5.3	>2.0	5.2			
	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