BLACKSTONE LABORATORIES

OIL REPORT

LAB NUMBER:
REPORT DATE: 1/31/2023
CODE: 83/1,430

UNIT ID:
CLIENT ID:
PAYMENT:

UNIT

EQUIP. MAKE/MODEL: Ford 3.5L V-6 EcoBoost Twin Turbo
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Pennzoil Ultra Platinum 5W/30
OIL USE INTERVAL: 9,194 Miles

CLIENT

PHONE:
FAX:
ALT PHONE:
EMAIL:

COMMENTS

Thanks for the notes. Everything looks good in this sample from your F150, so it looks like the onboard oil life monitor didn't steer you wrong. This sample still shows some excess copper and silicon, but everything has improved nicely from the previous sample of break-in oil, and we expect the slightly high readings here will continue to improve next time. The TBN isn't fully depleted at 1.7, but it's getting a bit low, so we'd probably suggest sticking with 9,000-10,000 miles on the next fill of oil or follow the ECU's recommendations. No problems here!

ELEMENTS IN PARTS PER MILLION

	MI/HR on Oil	9,194	UNIT / LOCATION AVERAGES	9,987					UNIVERSAL AVERAGES
	MI/HR on Unit	19,181		9,987					
	Sample Date	1/9/2023		6/25/2022					
	Make Up Oil Added	0 qts		0 qts					
	ALUMINUM	6	6	**10**					4
	CHROMIUM	1	1	2					1
	IRON	27	27	**49**					20
	COPPER	**33**	33	**101**					13
	LEAD	1	1	2					0
	TIN	1	1	1					0
	MOLYBDENUM	90	90	135					87
	NICKEL	1	1	1					0
	MANGANESE	7	7	12					4
	SILVER	0	0	0					0
	TITANIUM	1	1	0					2
	POTASSIUM	1	1	8					3
	BORON	32	32	25					44
	SILICON	**44**	44	**148**					19
	SODIUM	12	12	22					17
	CALCIUM	1103	1103	1287					1407
	MAGNESIUM	699	699	347					484
	PHOSPHORUS	641	641	676					672
	ZINC	738	738	714					762
	BARIUM	0	0	1					2

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	57.1	56-63	53.1				
cSt Viscosity @ 100°C	9.38	9.1-11.3	8.21				
Flashpoint in °F	400	>385	390				
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	0.2				
TBN	1.7	>1.0					
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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