



OIL REPORT

LAB NUMBER: S036553

UNIT ID: 11 EXPLORER

REPORT DATE: 3/26/2024

CLIENT ID: [REDACTED]

CODE: 44/1,430

PAYMENT: CC Online

UNIT

MAKE/MODEL: Ford 3.5L Duratec V-6
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO:

OIL TYPE & GRADE: Valvoline Max-life 5W/20
OIL USE INTERVAL: 7,725 Miles

CLIENT

JACOB JACKSON

PHONE: [REDACTED]

FAX: [REDACTED]

ALT PHONE: [REDACTED]

EMAIL: [REDACTED]

COMMENTS

JAKE: This was the longest oil change interval we have on file for your Explorer, so mild increases in wear metals were to be expected (see iron and copper). Wear metals still stack up nicely against the universal averages, and compare well to the previous reports we have on record, so we have no reason to suspect any mechanical trouble for this Ford 3.5L. For the third report in a row, we aren't detecting any harmful contaminants in the oil, and the viscosity is in the proper range for 5W/20 oil. The TBN shows some active additive left, so give ~10,000 miles a try.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	7,725	UNIT / LOCATION AVERAGES	6,255	4,975				UNIVERSAL AVERAGES
	MI/HR on Unit	153,982		146,257	140,002				
	Sample Date	2/24/2024		6/30/2023	2/26/2023				
	Make Up Oil Added	0.50 qts		0.5 qts	0.5 qts				
	ALUMINUM	3		3	6				
	CHROMIUM	0		0	0				
	IRON	10		6	5				
	COPPER	4		2	2				
	LEAD	0		0	0				
ELEMENTS IN PARTS PER MILLION	TIN	1	UNIT / LOCATION AVERAGES	0	0				UNIVERSAL AVERAGES
	MOLYBDENUM	351		316	305				
	NICKEL	0		0	0				
	MANGANESE	1		1	1				
	SILVER	0		0	0				
	TITANIUM	0		0	0				
	POTASSIUM	1		0	1				
	BORON	34		43	59				
	SILICON	15		16	13				
	SODIUM	5		6	5				
	CALCIUM	1245		1217	1091				
	MAGNESIUM	428		450	439				
	PHOSPHORUS	574		558	568				
	ZINC	721		636	658				
	BARIUM	0		0	0				

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°F	52.8	46-59	53.9	51.5			
	cSt Viscosity @ 100°C	8.12	6.0-10.2	8.46	7.73			
	Flashpoint in °F	395	>385	390	400			
	Fuel %	<0.5	<2.0	<0.5	<0.5			
	Antifreeze %	0.0	0.0	0.0	0.0			
	Water %	0.0	<0.1	0.0	0.0			
	Insolubles %	0.3	<0.6	0.2	0.4			
	TBN	2.6	>1.0	2.1	2.5			
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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