

OIL REPORT

LAB NUMBER: N37275
REPORT DATE: 5/3/2021

CODE: 20/698

UNIT ID: 19 RANGER
CLIENT ID: 180316
PAYMENT: Prepaid

TIN

CLIENT

MAKE/MODEL: Ford 2.3L 4-cyl EcoBoost

FUEL TYPE: Gasoline (Unleaded)

302 GILLIAM MCCONNELL RD

ADDITIONAL INFO:

OIL TYPE & GRADE: Synthetic 5W/30

OIL USE INTERVAL: 9,800 Miles

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OMMENTS

MARK: This is a pretty good sample, all things considered. The only thing that's out of line is potassium, which can be a marker for coolant. But this engine is so young, we're wondering if maybe potassium is just left over from when the engine was new. It's certainly not high enough to worry about, so let's just see where it goes next time. You've done a good job maxing out this oil's useful additives: the TBN is on the low side at 1.6, so ~10K is a good oil change interval. The engine is wearing well on this interval. Fuel is an area to watch, but 1.5% can be from normal use.

	MI/HR on Oil	9,800	UNIT /				
	MI/HR on Unit	37,467	LOCATION AVERAGES				UNIVERSAL AVERAGES
	Sample Date	4/22/2021					
	Make Up Oil Added	0 qts					
N	ALUMINUM	4	4				4
MILLIO	CHROMIUM	0	0				0
▕	IRON	10	10				12
	COPPER	2	2				4
ER	LEAD	0	0				0
Д	TIN	0	0				0
TS	MOLYBDENUM	154	154				93
AR.	NICKEL	0	0				0
Þ	MANGANESE	1	1				1
Z	SILVER	0	0				0
S	TITANIUM	0	0				3
Ĕ	POTASSIUM	17	17				4
EN	BORON	23	23				115
ELEM	SILICON	16	16				23
	SODIUM	5	5				11
	CALCIUM	1356	1356				1791
	MAGNESIUM	555	555				288
	PHOSPHORUS	724	724				728
	ZINC	868	868				811
	BARIUM	0	0				2

Values Should Be*

SUS Viscosity @ 210°F	53.4	56-63			
cSt Viscosity @ 100°C	8.30	9.1-11.3			
Flashpoint in °F	355	>385			
Fuel %	1.5	<2.0			
Antifreeze %	?	0.0			
Water %	0.0	0.0			
Insolubles %	0.4	<0.6			
TBN	1.6	>1.0			
TAN					
ISO Code	-		-		

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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