



# OIL REPORT

LAB NUMBER: M79189  
 REPORT DATE: 11/3/2020  
 CODE: 20/68

UNIT ID: DANS RANGER 2019  
 CLIENT ID: 164153  
 PAYMENT: CC: MC

<b>UNIT</b>	MAKE/MODEL: Ford 2.3L 4-cyl EcoBoost	OIL TYPE & GRADE: Motorcraft Synthetic Blend 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 1,600 Miles
	ADDITIONAL INFO:	

<b>CLIENT</b>	[REDACTED]	PHONE: [REDACTED]
	[REDACTED]	FAX:
	[REDACTED]	ALT PHONE:
	[REDACTED]	EMAIL: [REDACTED]
	[REDACTED]	

**COMMENTS** DAN: You'll probably want to keep your oil change intervals conservative as long as there's excess fuel in the oil. If you have a fuel problem and run longer, then the oil is just going to get more diluted by fuel and that might limit the oil's ability to properly lubricate the wearing parts. We wouldn't run any longer than what you're doing now. That being said, if you do a lot of idling or short trips, maybe throwing in a few longer drives out on the highway might help cook out some fuel. If you're sampling cold, maybe that's resulting in some of the fuel. At least wear looks okay.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	1,600	<b>UNIT / LOCATION AVERAGES</b>	1,100	1,000	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	4,600		3,200	2,000	
	Sample Date	10/23/2020		8/21/2020	7/3/2020	
	Make Up Oil Added			0 qts	0 qts	
ALUMINUM	2	2	3	2	4	
CHROMIUM	0	0	0	0	0	
IRON	3	4	4	4	12	
COPPER	3	5	5	7	4	
LEAD	0	0	1	0	0	
TIN	1	1	1	2	0	
MOLYBDENUM	127	113	119	92	90	
NICKEL	0	0	0	0	0	
MANGANESE	0	0	1	0	1	
SILVER	0	0	0	0	0	
TITANIUM	0	0	1	0	3	
POTASSIUM	1	2	3	1	4	
BORON	127	138	137	151	119	
SILICON	13	14	13	17	24	
SODIUM	5	5	7	4	12	
CALCIUM	1161	1284	1251	1440	1890	
MAGNESIUM	373	460	435	572	243	
PHOSPHORUS	687	723	713	769	734	
ZINC	745	815	789	912	817	
BARIUM	15	15	16	13	1	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	47.6	54-63	46.4	47.5
	cSt Viscosity @ 100°C	6.52	8.5-11.3	6.17	6.51
	Flashpoint in °F	325	>375	325	330
	Fuel %	2.5	<2.0	2.5	2.8
	Antifreeze %	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0
	Insolubles %	0.4	<0.6	0.2	0.2
	TBN				
	TAN				
	ISO Code				

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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