



OIL REPORT

LAB NUMBER: L03478

REPORT DATE: 3/25/2019

CODE: 63/32

UNIT ID: 13 F150

CLIENT ID:

PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Ford 5.0L V-8 Ti-VCT 32V	OIL TYPE & GRADE: Valvoline 5W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 4,839 Miles
	ADDITIONAL INFO:	

CLIENT	
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COMMENTS	JOHN: Your F150 is two for two on great reports! This oil change was a good 3,000 miles longer than the first sample's change interval, yet wear metals are steady. This engine handled the longer oil change easily, and if you'd like, we think could handle more. Try up to 7,000 miles on the next oil, and we'd bet you'd still get great results out of this 5.0L. This Valvoline 5W/20 held up nicely for you. The viscosity is correct for the grade, and we didn't find any harmful contaminants like water, fuel, or coolant. You've got a good trend developing so far!
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	4,839	UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	14,984		10,145				
	Sample Date	3/12/2019		3/25/2018				
	Make Up Oil Added	0 qts		0 qts				
	ALUMINUM	3	3	3				4
	CHROMIUM	0	0	0				0
	IRON	14	15	16				19
	COPPER	4	3	2				3
	LEAD	1	1	0				1
	TIN	0	0	0				0
	MOLYBDENUM	12	43	74				71
	NICKEL	0	0	0				0
	MANGANESE	3	2	1				5
	SILVER	0	0	0				0
	TITANIUM	1	1	0				2
	POTASSIUM	2	2	1				3
	BORON	17	46	74				74
	SILICON	9	10	10				11
	SODIUM	8	6	3				46
	CALCIUM	1218	1148	1078				1978
	MAGNESIUM	839	776	713				264
	PHOSPHORUS	768	965	1162				737
	ZINC	820	842	863				830
	BARIIUM	0	0	0				1

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°	53.0	46-59	53.7				
	cSt Viscosity @ 100°C	8.17	6.0-10.2	8.38				
	Flashpoint in °F	390	>385	415				
	Fuel %	<0.5	<2.0	<0.5				
	Antifreeze %	0.0	0.0	0.0				
	Water %	0.0	<0.1	0.0				
	Insolubles %	0.3	<0.6	0.2				
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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