



## OIL REPORT

LAB NUMBER: M12393

UNIT ID: 2020 MUSTANG

REPORT DATE: 3/20/2020

CLIENT ID: 159179

CODE: 63/68

PAYMENT: CC: Visa

**UNIT**

MAKE/MODEL: Ford 5.0L V-8 Ti-VCT 32V  
FUEL TYPE: Gasoline (Unleaded)  
ADDITIONAL INFO:

OIL TYPE & GRADE: 5W/20  
OIL USE INTERVAL: 2,020 Miles

**CLIENT**

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**COMMENTS**

MATTHEW: Before we get into the results, congratulations are in order. Nice Mustang! With that out of the way, this is a pretty typical report for a brand-new engine. There's some extra copper and silicon to make note of, but neither is a concern. The extra metal is just lingering wear-in, while most of the silicon is a harmless effect of sealers/lubes used during assembly. There should be improvement in both areas over the next few oil changes, but at this point, everything is in its proper place. No fuel or water was detected, and the viscosity is in spec for 5W/20. Good, so far!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	2,020	UNIT / LOCATION AVERAGES							UNIVERSAL AVERAGES
	MI/HR on Unit	2,020								
	Sample Date	3/5/2020								
	Make Up Oil Added	0 qts								
	ALUMINUM	4								
	CHROMIUM	1								
	IRON	23								
	COPPER	25								
	LEAD	1								
	TIN	0								
	MOLYBDENUM	15								
	NICKEL	1								
	MANGANESE	14								
	SILVER	0								
	TITANIUM	0								
	POTASSIUM	8								
	BORON	154								
	SILICON	30								
	SODIUM	8								
	CALCIUM	1344								
	MAGNESIUM	666								
	PHOSPHORUS	770								
	ZINC	841								
	BARIUM	2								

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	50.7	46-59					
	cSt Viscosity @ 100°C	7.47	6.0-10.2					
	Flashpoint in °F	415	>375					
	Fuel %	<0.5	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	<0.1					
	Insolubles %	0.2	<0.6					
	TBN							
	TAN							
	ISO Code							

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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