



# OIL REPORT

LAB NUMBER: [REDACTED]  
 REPORT DATE: 11/23/2021  
 CODE: 20/698

UNIT ID: 19 MUSTANG GT  
 CLIENT ID: [REDACTED]  
 PAYMENT: Prepaid

<b>UNIT</b>	MAKE/MODEL: Ford 5.0L V-8 Ti-VCT 32V	OIL TYPE & GRADE: Motorcraft Synthetic 5W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 6,815 Miles
	ADDITIONAL INFO:	

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

**COMMENTS** [REDACTED] This oil was in place for a similar interval as your last sample, yet wear metals are mostly lower in comparison. You added less make-up oil this time at just 0.6 quarts, too, so metals weren't extra diluted by fresh oil. That means the engine just plain wore less during this interval, and that's always a positive find when it comes to oil analysis. The viscosity was on target for 5W/20, and the TBN of 3.2 shows plenty of active additive was left in the oil when it was changed yet. These results show you could still go longer between oil changes -- try 9,000 miles!

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	6,815	<b>UNIT / LOCATION AVERAGES</b>	6,893	4,870	4,827	<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	27,245		19,532	12,616	7,727	
	Sample Date	10/31/2021		3/28/2021	8/16/2020	3/29/2020	
	Make Up Oil Added	0.6 qts		1 qt	0.5 qts	0 qts	
ALUMINUM	3	4	4	3	4	4	
CHROMIUM	0	1	1	0	1	1	
IRON	8	12	11	11	16	17	
COPPER	1	4	4	3	6	3	
LEAD	0	0	1	0	0	0	
TIN	1	0	0	0	0	0	
MOLYBDENUM	140	77	139	15	15	81	
NICKEL	0	0	1	0	0	0	
MANGANESE	2	3	3	2	4	5	
SILVER	0	0	1	0	0	0	
TITANIUM	0	1	1	1	0	2	
POTASSIUM	0	1	1	1	1	2	
BORON	52	86	92	97	103	77	
SILICON	15	17	18	14	19	11	
SODIUM	6	5	8	3	4	27	
CALCIUM	1335	1259	1302	1252	1147	1673	
MAGNESIUM	403	515	452	599	607	421	
PHOSPHORUS	725	702	759	675	649	729	
ZINC	805	785	854	768	714	821	
BARIUM	0	0	1	0	0	1	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	52.7	46-57	50.6	50.3	49.9
	cSt Viscosity @ 100°C	8.08	6.0-9.7	7.46	7.36	7.25
	Flashpoint in °F	405	>385	430	410	430
	Fuel %	<0.5	<2.0	<0.5	<0.5	<0.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.1	<0.6	0.1	0.2	0.1
	TBN	3.2	>1.0	3.0	4.6	4.3
	TAN					
	ISO Code					

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380 www.blackstone-labs.com