



# OIL REPORT

LAB NUMBER: K74036      UNIT ID: 18 MUSTANG  
 REPORT DATE: 11/29/2018      CLIENT ID: 134529  
 CODE: 20/32      PAYMENT: CC: Visa

<b>UNIT</b>	MAKE/MODEL: Ford 5.0L V-8 Ti-VCT 32V	OIL TYPE & GRADE: Mobil 1 5W/20
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 2,000 Miles
	ADDITIONAL INFO: TNWHTMARE	

**COMMENTS** JOHN: Your sampling technique worked well. Taking the sample at operating temp made sure no measurable fuel (see high flashpoint) from normal operation showed up. There was a little extra copper, but this seems to be just the second oil change for your Mustang, so wear-in can account for that. Copper should wash and eventually look like universal averages, which show typical 5.0L Coyote wear after about 5,900 miles on the oil. The viscosity was appropriate for 5W/20 and no coolant, moisture or excess insolubles (oxidized solids) were found. Check back to build trends.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	2,000	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	3,200						
	Sample Date	11/17/2018						
	Make Up Oil Added	0 qts						
ALUMINUM	4	4					4	
CHROMIUM	1	1					0	
IRON	19	19					19	
COPPER	7	7					3	
LEAD	0	0					1	
TIN	0	0					0	
MOLYBDENUM	80	80					70	
NICKEL	0	0					0	
MANGANESE	4	4					5	
SILVER	0	0					0	
TITANIUM	0	0					2	
POTASSIUM	4	4					3	
BORON	76	76					74	
SILICON	12	12					11	
SODIUM	4	4					49	
CALCIUM	1116	1116					2011	
MAGNESIUM	675	675					246	
PHOSPHORUS	714	714					737	
ZINC	753	753					832	
BARIUM	0	0					1	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	50.8	46-57				
	cSt Viscosity @ 100°C	7.52	6.0-9.7				
	Flashpoint in °F	420	>385				
	Fuel %	<0.5	<2.0				
	Antifreeze %*	0.0	0.0				
	Water %	0.0	0.0				
	Insolubles %	0.2	<0.6				
	TBN						
	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