



OIL REPORT

LAB NUMBER: K63013
 REPORT DATE: 10/16/2018
 CODE: 63/32

UNIT ID: 88 MUSTANG
 CLIENT ID:
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Ford 5.0L 302 CID V-8	OIL TYPE & GRADE: Gasoline Engine Oil
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: Miles
	ADDITIONAL INFO:	

CLIENT	
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COMMENTS Metals are reading pretty high. Of particular note are chrome, from piston rings, iron - steel parts including the cylinders, and lead - bearings. If the engine has had work done recently, wear-in would help explain some excess metal, but regardless, this is enough wear to warrant close monitoring. Insolubles (solids) at 0.6% could show sub-par combustion and/or poor oil filtration. Viscosity is near a 20W/50 or 10W/60. If the engine runs fine, with no odd noises, follow-up in just 1,500 miles to hopefully find some improvement.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil		UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit	101,000						
	Sample Date	10/15/2018						
	Make Up Oil Added							
	ALUMINUM	5	5					4
	CHROMIUM	9	9					1
	IRON	99	99					21
	COPPER	13	13					6
	LEAD	46	46					10
	TIN	3	3					1
	MOLYBDENUM	69	69					63
	NICKEL	1	1					1
	MANGANESE	1	1					2
	SILVER	0	0					0
	TITANIUM	0	0					0
	POTASSIUM	9	9					2
	BORON	31	31					43
	SILICON	16	16					11
	SODIUM	57	57					52
	CALCIUM	1956	1956					1814
	MAGNESIUM	21	21					219
	PHOSPHORUS	754	754					758
	ZINC	860	860					901
	BARIUM	0	0					0

Values Should Be*

PROPERTIES							
SUS Viscosity @ 210°	83.0						
cSt Viscosity @ 100°C	16.27						
Flashpoint in °F	390	>375					
Fuel %	<0.5	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	0.0					
Insolubles %	0.6	<0.6					
TBN							
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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