



# OIL REPORT

LAB NUMBER: L70073      UNIT ID: 17 SHELBY GT350  
 REPORT DATE: 10/28/2019      CLIENT ID: 148788  
 CODE: 20/32      PAYMENT: CC: MC

<b>UNIT</b>	MAKE/MODEL: Ford 5.2L Ti-VCT 32V V-8 FPC	OIL TYPE & GRADE: Motorcraft 5W/50
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 400 Miles
	ADDITIONAL INFO: Mustang	

<b>CLIENT</b>	DAN DURBIN	PHONE: (304) 290-8673
	10814 JIMSON STREET PROSPECT, KY 40059	FAX: ALT PHONE: EMAIL: dandurbin@hotmail.com

**COMMENTS** DAN: Thanks for noting the ticking sound. As far as we can tell from these results, it isn't related to any problems. We can rule out a bearing issue as the source of the noise, as lead (the primary metal that shows bearing wear) is as low as can be. It doesn't look like the lifters are having any trouble either, as iron (from steel components) is very low. No contamination from excess dirt, fuel, or coolant was found. You could check the oil filter pleats for larger pieces of metal, and consider talking to your dealer about a way to make the ticking noise stop.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	400	<b>UNIT / LOCATION AVERAGES</b>	1,000				<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit			8,000				
	Sample Date	10/15/2019		8/25/2019				
	Make Up Oil Added	0 qts		0 qts				
ALUMINUM	1	1	1					7
CHROMIUM	0	0	0					1
IRON	2	4	5					11
COPPER	1	1	1					5
LEAD	0	0	0					2
TIN	0	0	0					1
MOLYBDENUM	90	151	212					106
NICKEL	0	0	0					0
MANGANESE	0	1	1					3
SILVER	0	0	0					0
TITANIUM	1	1	0					1
POTASSIUM	0	0	0					2
BORON	299	295	290					240
SILICON	6	7	8					14
SODIUM	3	5	6					6
CALCIUM	1891	1654	1416					2337
MAGNESIUM	139	510	881					91
PHOSPHORUS	678	719	760					772
ZINC	760	786	811					854
BARIUM	0	0	0					0

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	86.9	66-89	87.2			
	cSt Viscosity @ 100°C	17.24	11.9-18.0	17.29			
	Flashpoint in °F	415	>385	415			
	Fuel %	<0.5	<2.0	<0.5			
	Antifreeze %	0.0	0.0	0.0			
	Water %	0.0	<0.1	0.0			
	Insolubles %	0.0	<0.6	0.0			
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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