

## OIL REPORT

LAB NUMBER: M19637  
REPORT DATE: 4/20/2020  
CODE: 20/68

UNIT ID: 17 SHELBY GT350  
CLIENT ID: 148788  
PAYMENT: CC: MC

MAKE/MODEL: Ford 5.2L TI-VCT 32V V-8 FPC  
FUEL TYPE: Gasoline (Unleaded)  
ADDITIONAL INFO: Mustang

OIL TYPE & GRADE: Motorcraft 5W/50  
OIL USE INTERVAL: 1,000 Miles

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DAN: From these results, whatever is causing the ticking sound in your Voodoo doesn't seem to be wear-related. We measure metals in ppm (parts per million), which all engines produce, and yours are in great shape both at face value and for mileage on the oil. Still, if the noise worsens or you start finding visible metal in the drain, then we'd see if your Ford dealer has more insight on possible explanations. This oil could stay in use another 2,000 miles if need be. The viscosity is normal and we didn't find any harmful contamination to speak of.

MIHR on Oil	1,000	UNIT / LOCATION AVERAGES	400	1,000	UNIVERSAL AVERAGES
MIHR on Unit	9,200		10/15/2019	8/25/2019	
Sample Date	4/10/2020				
Make Up Oil Added	0 qts		0 qts	0 qts	
ALLUMINIUM	3	2	1	1	7
CHROMIUM	0	0	0	0	0
IRON	4	4	2	5	10
COPPER	1	1	1	1	4
LEAD	0	0	0	0	2
TIN	0	0	0	0	1
MOLYBDENUM	195	166	90	212	108
NICKEL	0	0	0	0	0
MANGANESE	0	0	0	1	3
SILVER	0	0	0	0	0
TITANIUM	0	0	1	0	1
POTASSIUM	0	0	0	0	2
BORON	294	294	299	290	236
SILICON	7	7	6	8	13
SODIUM	5	5	3	6	6
CALCIUM	1370	1559	1891	1416	2277
MAGNESIUM	856	625	139	881	118
PHOSPHORUS	741	726	678	760	782
ZINC	813	795	760	811	864
BARIUM	0	0	0	0	0

Values  
Should Be\*

PROPERTIES	87.4	66-89	86.9	87.2
SUS Viscosity @ 210°	17.34	11.9-18.0	17.24	17.29
cSt Viscosity @ 100°C	415	>385	415	415
Flashpoint in °F	<0.5	<2.0	<0.5	<0.5
Fuel %	0.0	0.0	0.0	0.0
Antifreeze %	0.0	<0.1	0.0	0.0
Water %	0.2	<0.6	0.0	0.0
Insolubles %				
TBN				
TAN				
ISO Code				

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE