



# OIL REPORT

UNIT ID: 18 GT350

UNIT	EQUIP. MAKE/MODEL: Ford 5.2L Ti-VCT 32V V-8 FPC	OIL TYPE & GRADE: Motorcraft Synthetic 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 5,000 Miles
	ADDITIONAL INFO:	

CLIENT	PHONE:
	FAX:
	ALT PHONE:
	EMAIL:

COMMENTS	This engine looks about like a new engine ought to look in testing after a 5,000-mile oil run. There's a lot of iron, copper, and lead in the sample, but this is just wear-in stuff that'll wash out over time. The silicon comes from sealers, and it'll improve right along with the metals. The averages show typical wear levels once the wear-in stuff washes out, after about 3,000 miles on the oil. The viscosity was thicker than you guessed, but perhaps Ford is using 5W/50 in these engines -- that's about where the viscosity read here. No fuel, water, or coolant found.
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ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	5.000	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	5.000							
	Sample Date	7/14/2019							
	Make Up Oil Added	1 qt							
	ALUMINUM	5							7
	CHROMIUM	1							1
	IRON	30							11
	COPPER	22							5
	LEAD	5							2
	TIN	2							1
	MOLYBDENUM	72							109
	NICKEL	1							0
	MANGANESE	36							3
	SILVER	0							0
	TITANIUM	0							1
	POTASSIUM	11							2
BORON	185								241
SILICON	88								14
SODIUM	13								6
CALCIUM	2222								2363
MAGNESIUM	15								91
PHOSPHORUS	706								771
ZINC	777								853
BARIUM	0								0

Values  
Should Be\*

PROPERTIES	SUS Viscosity @ 210°F	70.5	56-63				
	cSt Viscosity @ 100°C	13.08	9.1-11.3				
	Flashpoint in °F	430	>375				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.1	<0.6				
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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