OIL REPORT

LAB NUMBER: L[redacted] **UNIT ID:** B[redacted]
REPORT DATE: 3/18/2019 **CLIENT ID:** [redacted]6
CODE: 63/685 **PAYMENT:** CC: Discover

UNIT

MAKE/MODEL: Ford 2.3L 4-cyl EcoBoost
FUEL TYPE: Gasoline (Unleaded)
ADDITIONAL INFO: 2018 Ford Mustang
OIL TYPE & GRADE: Gasoline Engine Oil
OIL USE INTERVAL: 9,574 Miles

CLIENT

[redacted]
PHONE: [redacted]
FAX:
ALT PHONE:
EMAIL: [redacted]

COMMENTS

CLAIR: This engine looks normal, for a new engine. There's a good amount of aluminum, copper, and silicon in the oil, but these are typical finds in factory oil. The metals come from wear-in of new parts, and the silicon is from sealers. Look for this material to wash out over the next few oil changes, and eventually this engine should look something like the universal averages, which are based on about 5,200 miles on the oil for this engine type. Fuel dilution read at 0.8% of the sample, which is fine, and the TBN of 2.2 shows active additive left. Try 11,000 miles next.

ELEMENTS IN PARTS PER MILLION

		UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
MI/HR on Oil	9,574							
MI/HR on Unit	9,574							
Sample Date	3/1/2019							
Make Up Oil Added	0 qts							
ALUMINUM	**9**							4
CHROMIUM	0							0
IRON	22							13
COPPER	**54**							5
LEAD	0							0
TIN	0							0
MOLYBDENUM	67							86
NICKEL	0							0
MANGANESE	5							1
SILVER	0							0
TITANIUM	0							4
POTASSIUM	2							3
BORON	43							122
SILICON	**61**							27
SODIUM	9							16
CALCIUM	1832							2088
MAGNESIUM	13							122
PHOSPHORUS	669							741
ZINC	722							822
BARIUM	11							1

PROPERTIES

		Values Should Be*					
SUS Viscosity @ 210°F	49.4						
cSt Viscosity @ 100°C	7.08						
Flashpoint in °F	**360**	>375					
Fuel %	0.8	<2.0					
Antifreeze %	0.0	0.0					
Water %	0.0	0.0					
Insolubles %	0.3	<0.6					
TBN	2.2	>1.0					
TAN							
ISO Code							

*** THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE**

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