



MOBILE OIL ANALYSIS REPORT

CONTAMINATION	ABNORMAL
WEAR	NORMAL
OIL CONDITION	ATTENTION

16-BEAS-01-001-M - Gasoline Engine

Unit Make : FORD
 Unit Model : ESCAPE Serial No : {n/a} Date Rec'd : Jul 18, 2017
 Comp Make : {n/a} Cust. Ref No. : {n/a} Sample Date : Jul 1, 2017
 Comp Model : {n/a} Stub No. : WC-994112 Diagnostician : Wes Davis

RECOMMENDATION

We recommend an early resample to confirm this situation, however, a minimum of 10 hours, 500 miles or 800 kilometers on the oil is required before resampling to prevent false positive glycol reactions that can be experienced with new oil. NOTE: Although the glycol test was positive other chemicals other than anti-freeze can cause a similar reaction including the oil additive package, or supplemental oil additives. As there is insufficient evidence (such as high wear metals, or the presence of water) to indicate a serious leak, no other maintenance actions, aside from those recommended here, should be carried out at this time.

Sample Date	Current	UOM
Time on Unit	139764	kms
Time on Oil	12597	kms
Time on Fltr	12597	kms
Oil Maint.	not chg	---
Filter Maint.	changed	---

CONTAMINATION

Test for glycol is positive.

Sample Date	Current	Abn
Silicon	13	30
Potassium	1.0	20
Sodium	30	80
Fuel (%)	<2.0	4.0
Glycol	POS	0.06
Water (%)	<0.1	0.2
Soot (%)	0	---
Sulfation (%)	69	100
Nitration (%)	58	100

WEAR

All component wear rates are normal.

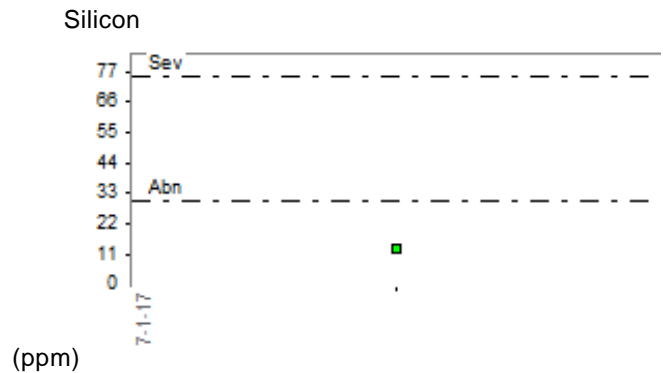
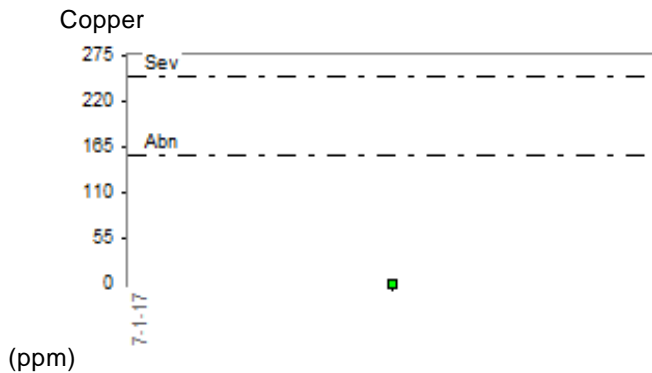
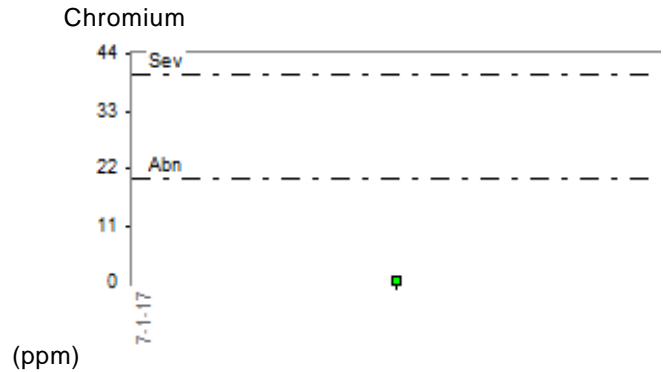
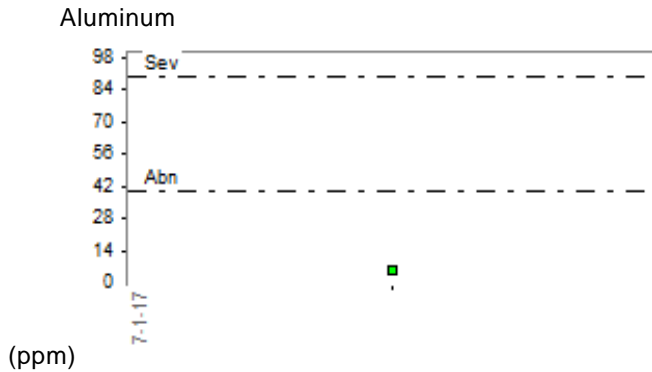
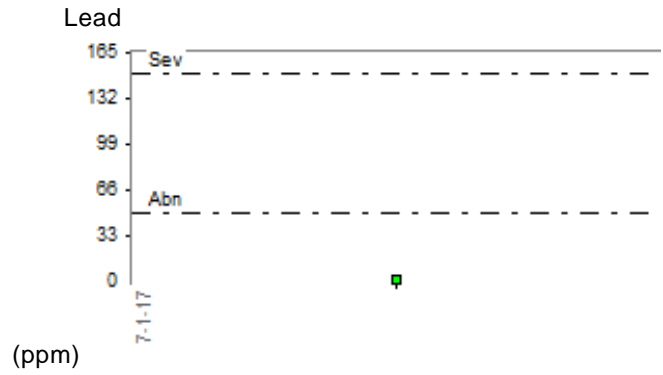
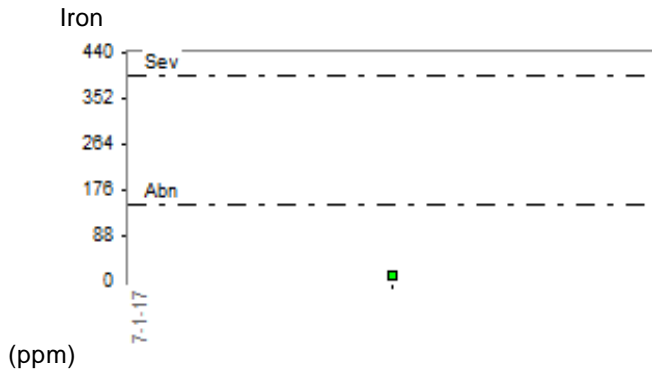
Sample Date	Current	Abn
Iron	16	150
Nickel	0.0	5
Chromium	0.5	20
Titanium	4.6	---
Copper	0.9	155
Aluminum	6.0	40
Tin	0.0	10
Lead	1.9	50
Silver	0.0	2

OIL CONDITION

Oil Type: 5.7 LTR of CASTROL EDGE SYN 0W20 ZP-700
 The condition of the oil is acceptable for the time in service (see recommendation).

Sample Date	Current	Base
Boron	102	
Barium	0.0	
Calcium	2239	
Magnesium	20	
Molybdenum	276	
Sodium	30	
Phosphorus	685	
Sulfur	2691	
Zinc	773	
Visc 40°C (cSt)	---	
Visc 100°C (cSt)	8.6	
VI	---	
Oxidation (%)	69	

Graphs



Viscosity

Report Legend

Abn	Represents the general abnormal limit for the test result.
Base	Represents the test result values from a sample of the new unused oil.
Current	Represents data for the current sample submitted.
>	Greater than
<	Less than
---	Data value unavailable.

If you have any questions concerning this sample report (work order no 02158108) please call 1-800-268-2131.



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