



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
2011 FORD ESCAPE 4X4 1 (1FMCV9DGOBKA23004) (S/N 1FMCV9DGOBKA23004)

Component
V6 3.0L ENGINE Front Gasoline Engine

Fluid
CASTROL EDGE SYN (6 LTR)

#1

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number				WC960601	---	---
Sample Date				10 Sep 2016	---	---
Machine Age	kms			127167	---	---
Oil Age	kms			8000	---	---
Filter Age	kms			8000	---	---
Oil Changed				Not Changd	---	---
Filter Changed				Not Changd	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185	>150	7	---	---
Chromium	ppm	ASTM D5185	>20	<1	---	---
Nickel	ppm	ASTM D5185	>5	<1	---	---
Titanium	ppm	ASTM D5185		5	---	---
Silver	ppm	ASTM D5185	>2	0	---	---
Aluminum	ppm	ASTM D5185	>40	4	---	---
Lead	ppm	ASTM D5185	>50	1	---	---
Copper	ppm	ASTM D5185	>155	<1	---	---
Tin	ppm	ASTM D5185	>10	0	---	---
Vanadium	ppm	ASTM D5185		<1	---	---

CONTAMINATION

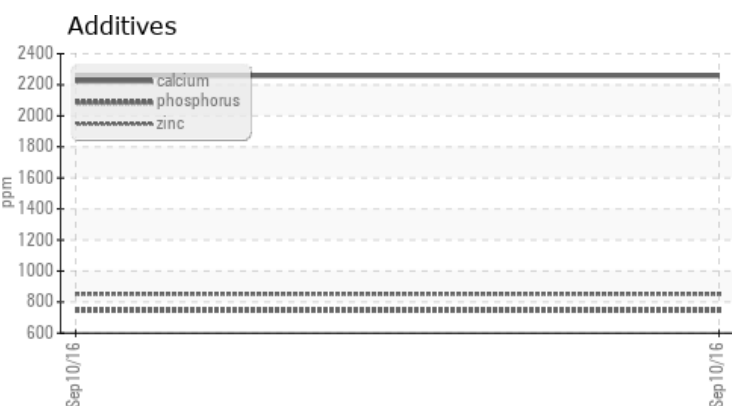
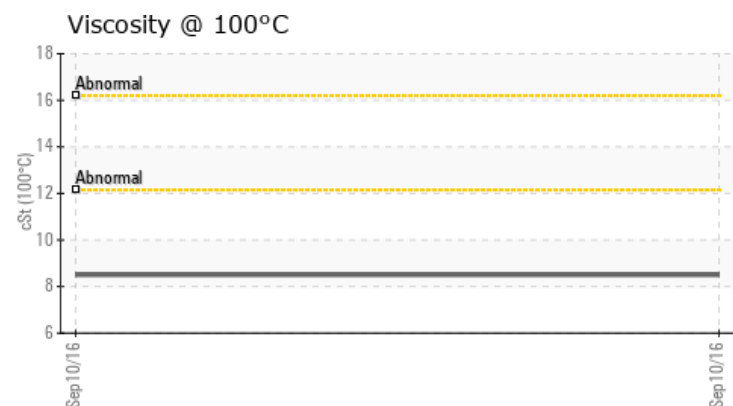
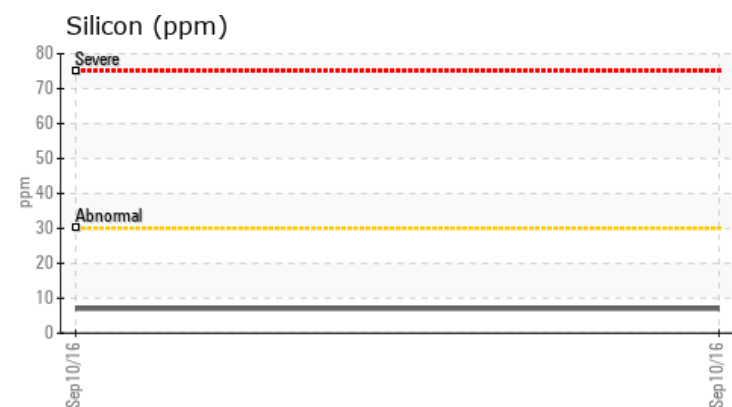
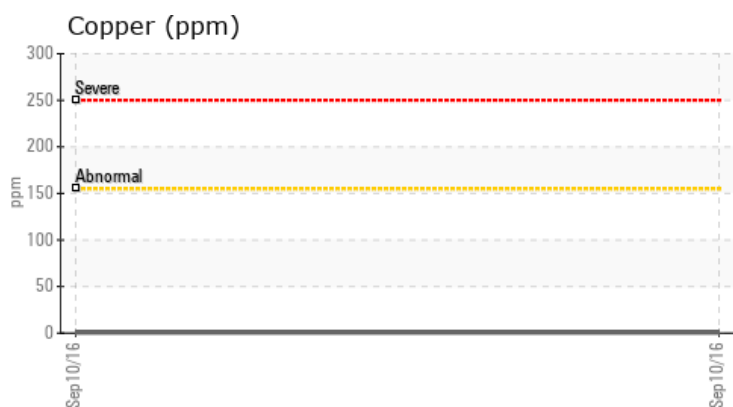
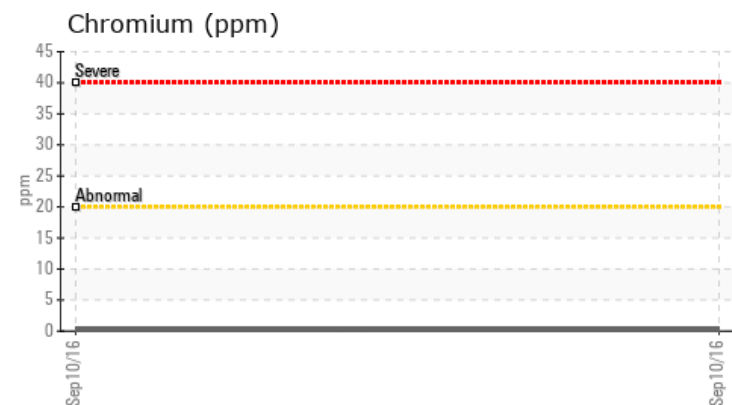
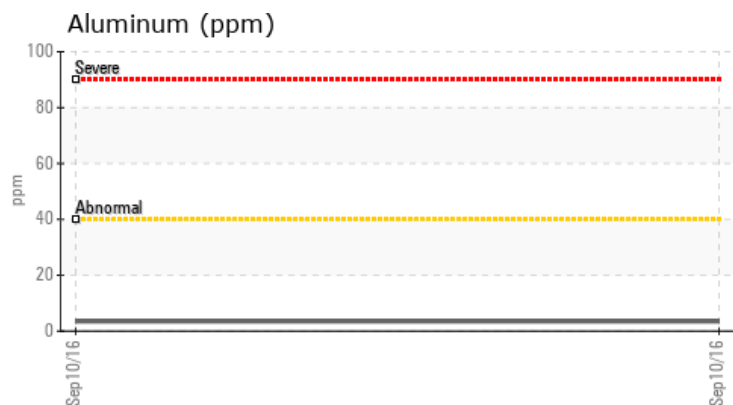
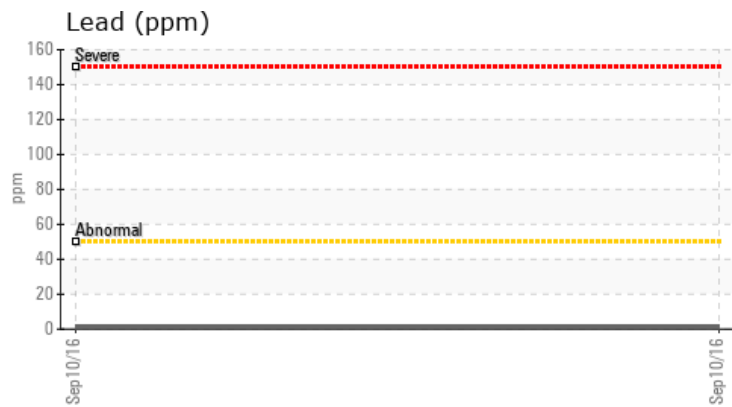
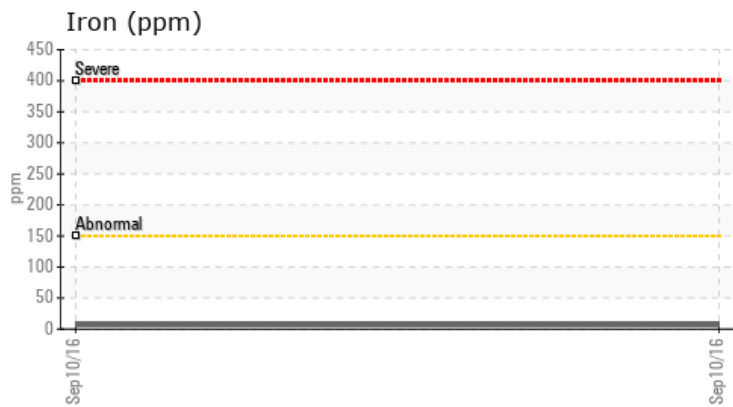
Tests indicate that there is no fuel present in the oil. There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185	>30	7	---	---
Potassium	ppm	ASTM D5185	>20	<1	---	---
Fuel	%	ASTM D3524	>4.0	0.0	---	---
Glycol	%	ASTM D2982		0.0	---	---
Soot %	%	ASTM D7686		0	---	---
Nitration	Abs/cm	ASTM D7624		10.7	---	---
Sulfation	Abs/.1mm	ASTM D7415		24.9	---	---
Emulsified Water	scalar	Visual	>0.2	NEG	---	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185		36	---	---
Boron	ppm	ASTM D5185		198	---	---
Barium	ppm	ASTM D5185		0	---	---
Molybdenum	ppm	ASTM D5185		68	---	---
Manganese	ppm	ASTM D5185		<1	---	---
Magnesium	ppm	ASTM D5185		9	---	---
Calcium	ppm	ASTM D5185		2258	---	---
Phosphorus	ppm	ASTM D5185		745	---	---
Zinc	ppm	ASTM D5185		851	---	---
Sulfur	ppm	ASTM D5185		2585	---	---
Oxidation	Abs/.1mm	ASTM D7414		16.7	---	---
Visc @ 40°C	cSt	ASTM D7279		49.2	---	---
Visc @ 100°C	cSt	ASTM D7279		8.5	---	---
Viscosity Index (VI)	Scale	ASTM D2270		149	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC960601 **Received** : 17 Oct 2016
Lab Number : 02104272 **Diagnosed** : 20 Oct 2016
Unique Number : 4394618 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, Glycol, KV40, PercentFuel, VI)

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 To change component or sample information, contact Customer Service at 1-800-268-2131.