



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
16-BEAS-01-001-M
 Component
FORD ESCAPE Front Gasoline Engine
 Fluid
CASTROL EDGE SYNTH (6 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	#4 Current	#3 History1	#2 History2
Sample Number				WC110375	WC994118	WC994112
Sample Date				10 Mar 2018	27 Jul 2017	01 Jul 2017
Machine Age	kms			151589	140971	139764
Oil Age	kms			10618	1207	12597
Filter Age	kms			10618	1207	12597
Oil Changed				Not Changd	Not Changd	Not Changd
Filter Changed				Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185	>150	13	4.5	16
Chromium	ppm	ASTM D5185	>20	0.5	0.0	0.5
Manganese	ppm	ASTM D5185		0.9	0.2	0.6
Nickel	ppm	ASTM D5185	>5	0.3	0.0	0.0
Titanium	ppm	ASTM D5185		3.4	2.9	4.6
Silver	ppm	ASTM D5185	>2	0.0	0.0	0.0
Aluminum	ppm	ASTM D5185	>40	5.2	3.0	6.0
Lead	ppm	ASTM D5185	>50	1.7	0.3	1.9
Copper	ppm	ASTM D5185	>155	0.9	0.2	0.9
Tin	ppm	ASTM D5185	>10	0.0	0.0	0.0
Vanadium	ppm	ASTM D5185		0.2	0.2	0.2

CONTAMINATION

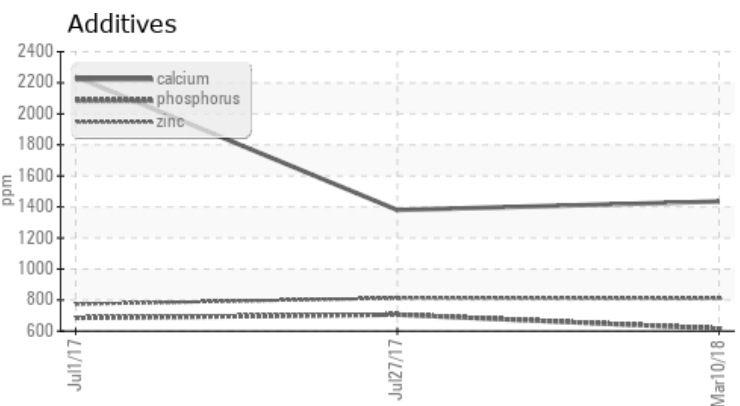
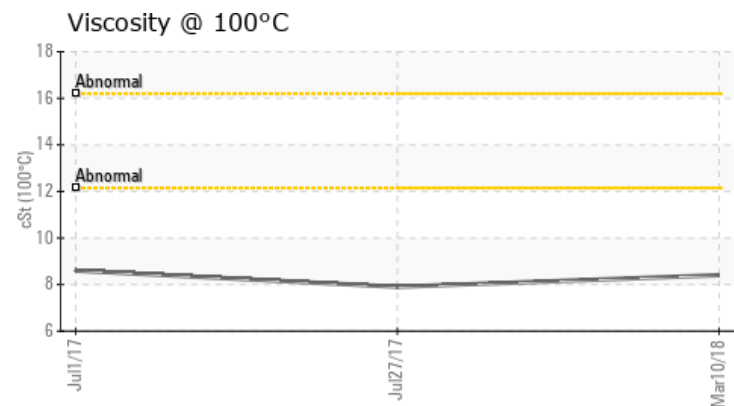
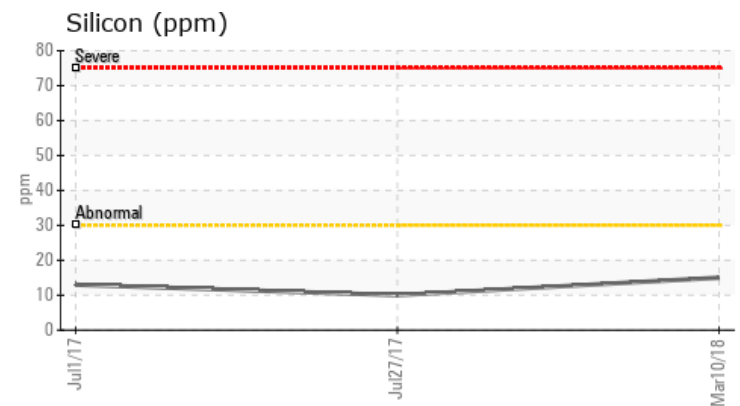
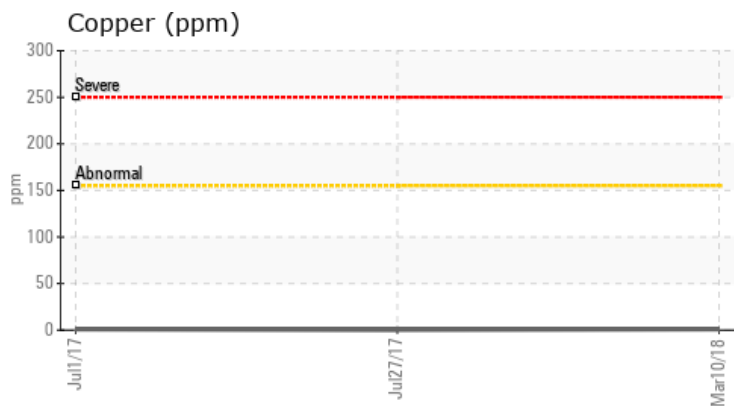
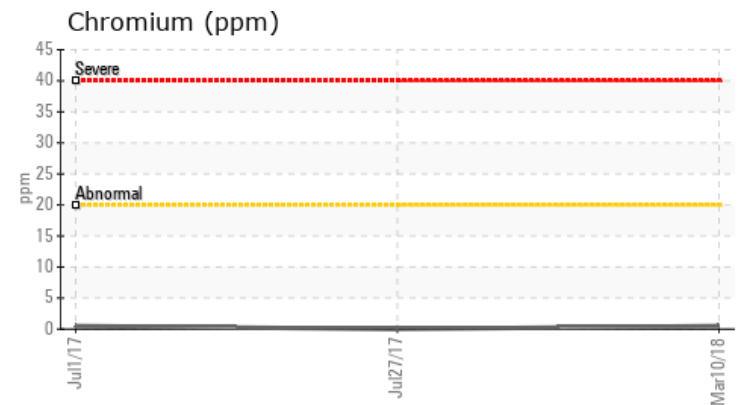
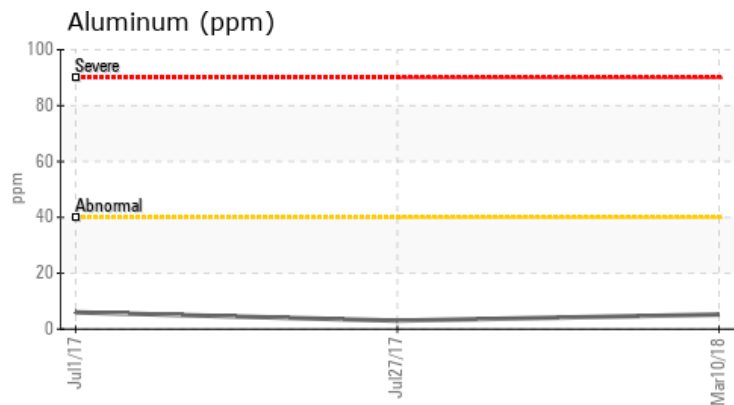
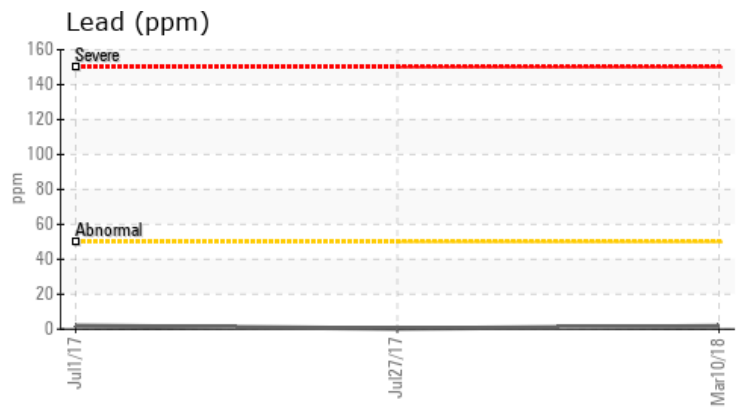
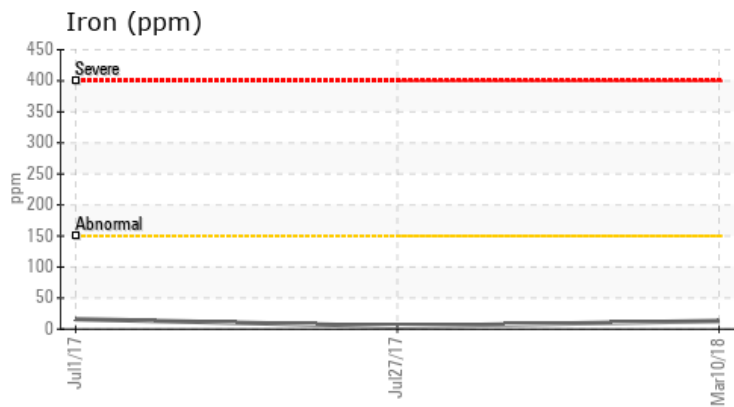
Light fuel dilution occurring. Test for glycol is negative. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185	>30	15	10	13
Potassium	ppm	ASTM D5185	>20	0.8	1.1	1.0
Fuel	%	ASTM D3524	>4.0	1.2	▲ 3.0	<1.0
Glycol	%	ASTM D2982		0.0	▲ 0.10	▲ 0.10
Soot %	%	ASTM D7686		0	0	0
Nitration (PA)	%	ASTM D7624	>100	60	35	58
Sulfation (PA)	%	ASTM D7415	>100	60	48	69
Emulsified Water	scalar	Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185		15	5.1	▲ 30
Boron	ppm	ASTM D5185		50	150	102
Barium	ppm	ASTM D5185		0.0	0.0	0.0
Molybdenum	ppm	ASTM D5185		150	161	276
Magnesium	ppm	ASTM D5185		607	684	20
Calcium	ppm	ASTM D5185		1435	1380	2239
Phosphorus	ppm	ASTM D5185		616	706	685
Zinc	ppm	ASTM D5185		809	813	773
Sulfur	ppm	ASTM D5185		2352	2371	2691
Oxidation (PA)	%	ASTM D7414	>100	68	39	69
Visc @ 40°C	cSt	ASTM D7279		48.4	43.8	---
Visc @ 100°C	cSt	ASTM D7279		8.4	7.9	8.6
Viscosity Index (VI)	Scale	ASTM D2270		149	153	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC110375 **Received** : 19 Mar 2018
Lab Number : 02204602 **Diagnosed** : 21 Mar 2018
Unique Number : 4655724 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, KV40, PercentFuel, VI)

9042628 Canada Inc
 3755 - E Boul Matte
 Brossard, QC
 Canada J4Y 2P4
 Contact: Pierre Beauchamp
 support-tech@adrenalube.com
 T: (514)999-5546
 F:

To discuss diagnosis or test data, contact Technical Support at 1-800-268-2131.
 To change component or sample information, contact Customer Service at 1-800-268-2131.