



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD ESCAPE 16-BEAS-01-001-M

Component
Front Gasoline Engine

Fluid
CASTROL EDGE SYNT (6 LTR)

#6 #5 #4

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number				WC0355050	WC113346	WC110375
Sample Date				28 Aug 2019	30 Sep 2018	10 Mar 2018
Machine Age	kms			0	165156	151589
Oil Age	kms			45000	25392	10618
Filter Age	kms			45000	25392	10618
Oil Changed				Not Changed	Not Changed	Not Changed
Filter Changed				Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185	>150	32	22	13
Chromium	ppm	ASTM D5185	>20	1	<1	<1
Nickel	ppm	ASTM D5185	>5	<1	<1	<1
Titanium	ppm	ASTM D5185		10	4	3
Silver	ppm	ASTM D5185	>2	0	0	0
Aluminum	ppm	ASTM D5185	>40	6	7	5
Lead	ppm	ASTM D5185	>50	8	6	2
Copper	ppm	ASTM D5185	>155	2	1	<1
Tin	ppm	ASTM D5185	>10	<1	0	0
Vanadium	ppm	ASTM D5185		<1	<1	<1

CONTAMINATION

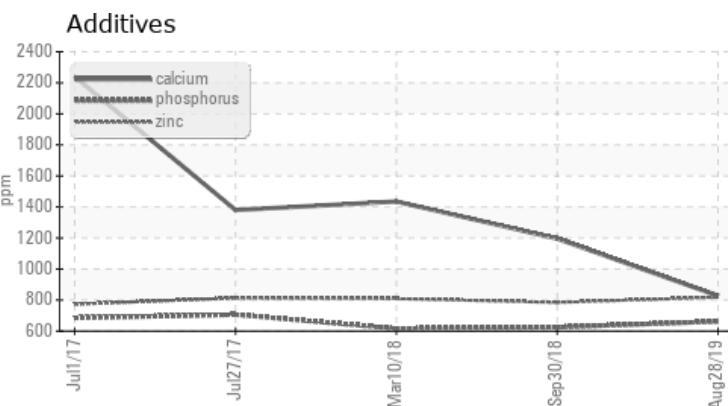
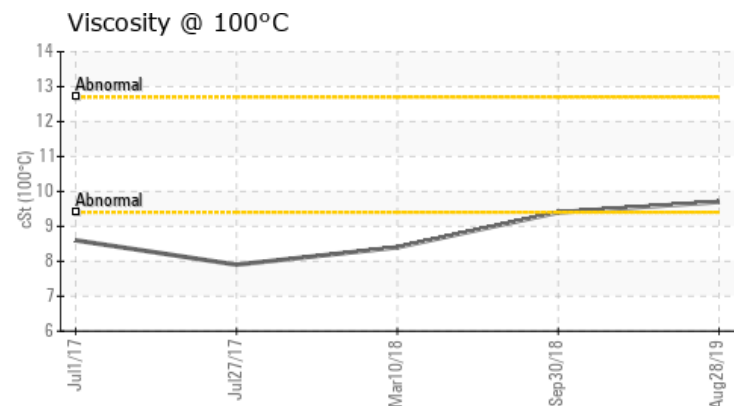
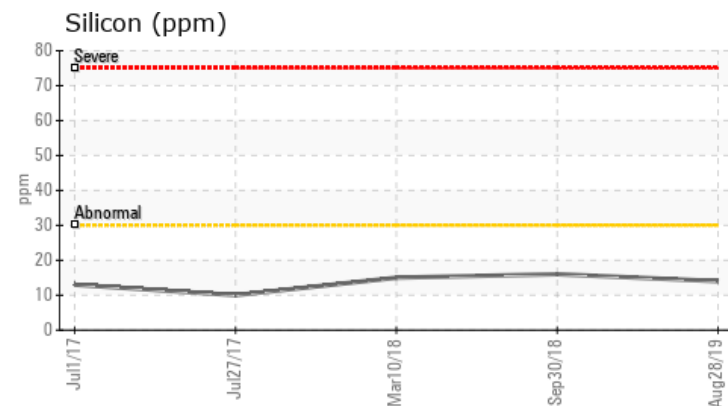
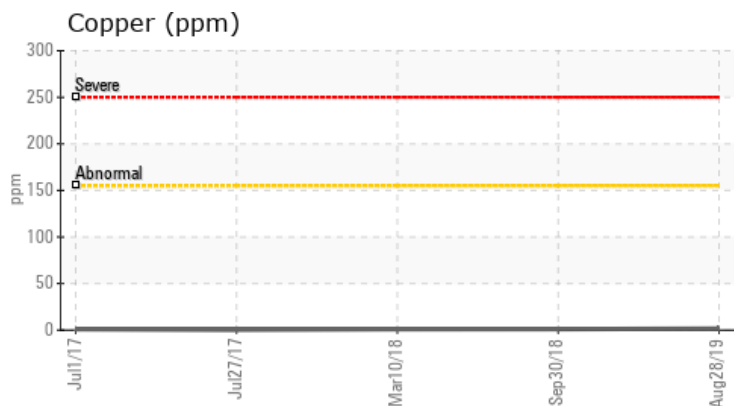
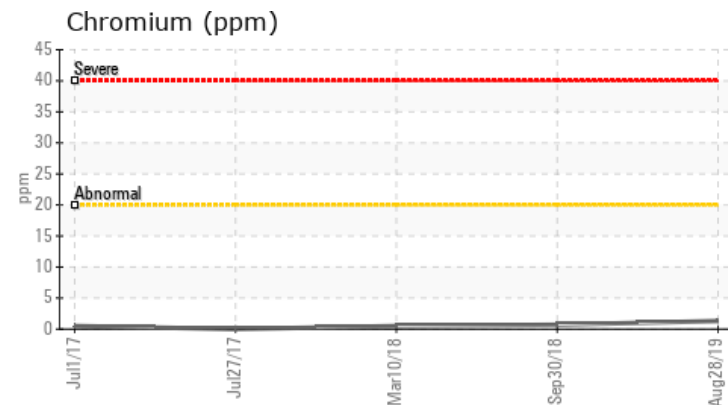
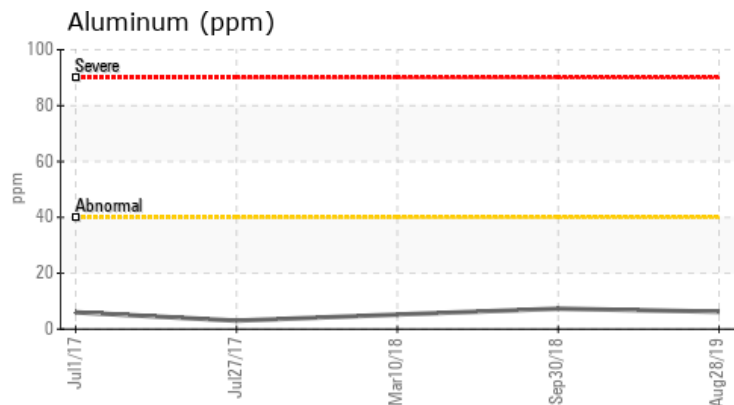
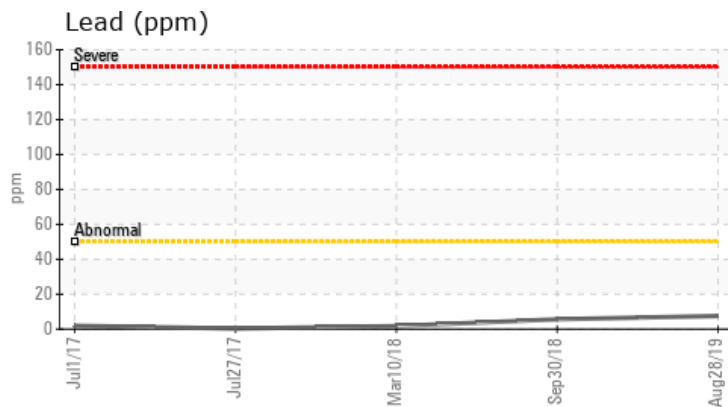
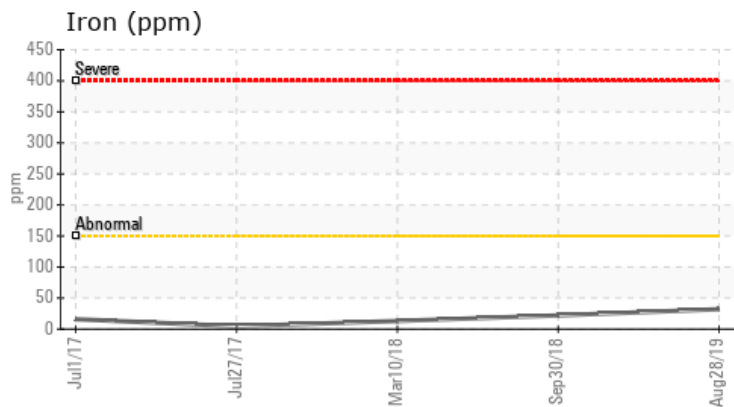
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185	>30	14	16	15
Potassium	ppm	ASTM D5185	>20	1	<1	<1
Fuel		ASTM D3524	>4.0	<1.0	<1.0	1.2
Glycol		ASTM D2982		NEG	NEG	0.0
Soot %	%	ASTM D7686		0	0	0
Nitration	Abs/cm	ASTM D7624	>20	16.9	16.1	13.8
Sulfation	Abs/.1mm	ASTM D7415	>30	29.5	30.2	26.2
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	>400	11	19	15
Boron	ppm	ASTM D5185		21	29	50
Barium	ppm	ASTM D5185		0	0	0
Molybdenum	ppm	ASTM D5185		128	137	150
Manganese	ppm	ASTM D5185		<1	<1	<1
Magnesium	ppm	ASTM D5185		1323	812	607
Calcium	ppm	ASTM D5185		827	1196	1435
Phosphorus	ppm	ASTM D5185		662	625	616
Zinc	ppm	ASTM D5185		818	784	809
Sulfur	ppm	ASTM D5185		2177	2222	2352
Oxidation	Abs/.1mm	ASTM D7414	>25	25.6	26.4	20.3
Visc @ 100°C	cSt	ASTM D7279		9.7	9.4	8.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0355050 **Received** : 29 Aug 2019
Lab Number : 02305721 **Diagnosed** : 30 Aug 2019
Unique Number : 4916997 **Diagnostician** : Kevin Marson
Test Package : MOB 1

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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.