



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	MARGINAL

Machine Id
FORD 2014 FORD EDGE

Component
Gasoline Engine

Fluid
AGIP 5W20 SEMI SYNTHETIC (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0884224	---	---
Sample Date		Client Info		09 Apr 2024	---	---
Machine Age	mls	Client Info		59689	---	---
Oil Age	mls	Client Info		10624	---	---
Filter Age	mls	Client Info		10624	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				MARGINAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>150	13	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>40	4	---	---
Lead	ppm	ASTM D5185(m)	>50	0	---	---
Copper	ppm	ASTM D5185(m)	>155	22	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

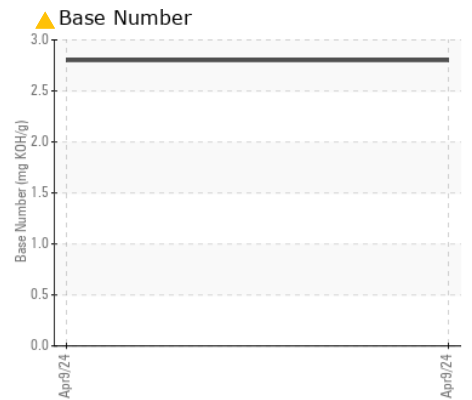
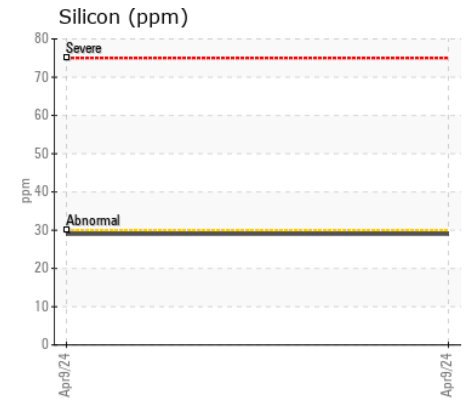
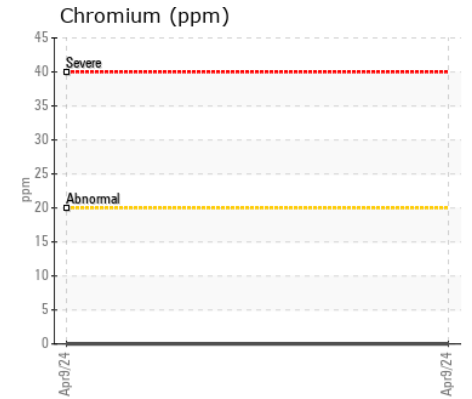
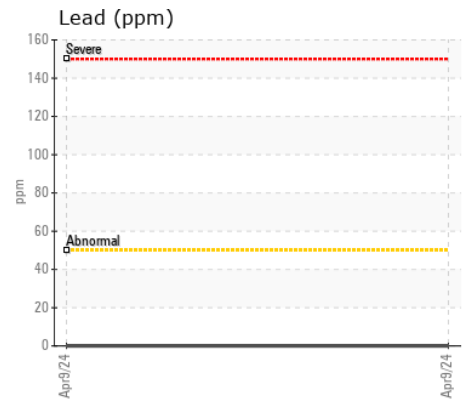
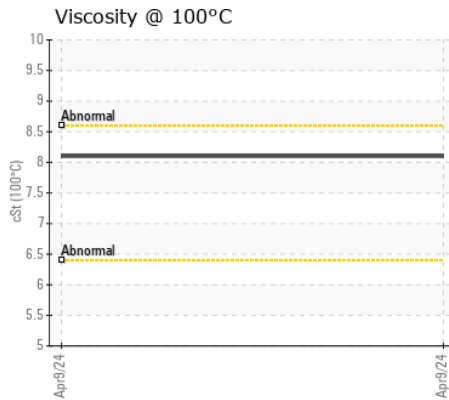
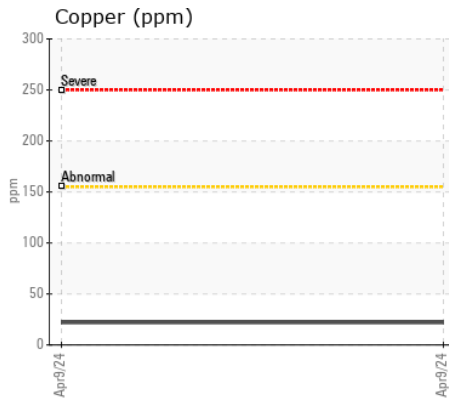
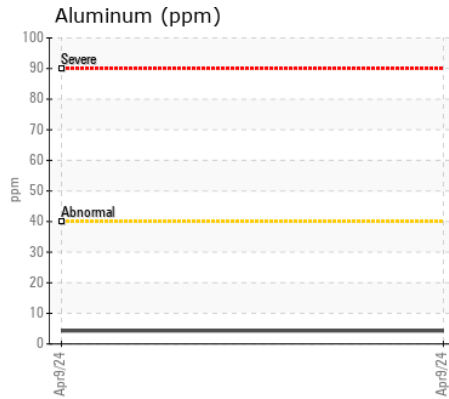
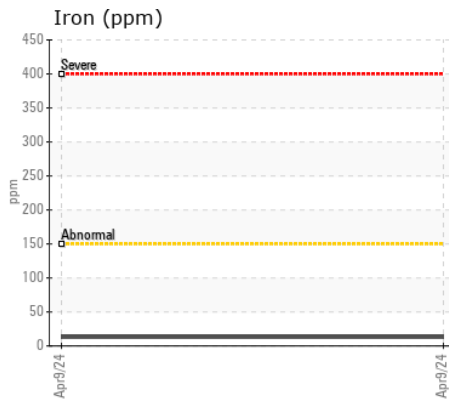
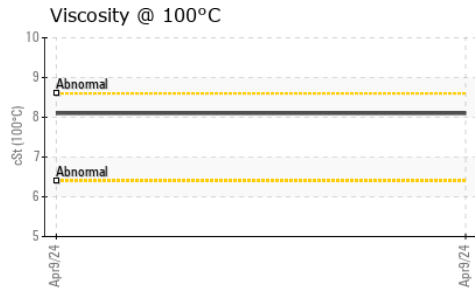
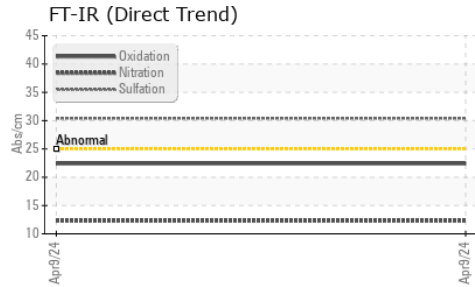
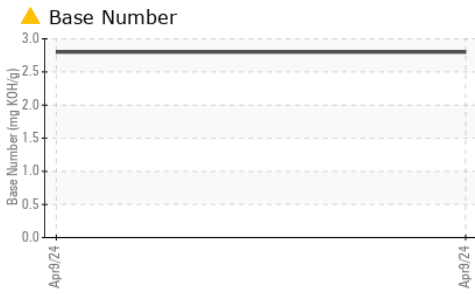
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	29	---	---
Potassium	ppm	ASTM D5185(m)	>20	7	---	---
Fuel		WC Method	>4.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	12.3	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	30.4	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

The BN result is marginal and reaching the low end of its acceptable limit, indicating the remaining reserve alkalinity is depleting. The oil is no longer serviceable.

Sodium	ppm	ASTM D5185(m)	>400	9	---	---
Boron	ppm	ASTM D5185(m)		24	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		64	---	---
Manganese	ppm	ASTM D5185(m)		7	---	---
Magnesium	ppm	ASTM D5185(m)		501	---	---
Calcium	ppm	ASTM D5185(m)		909	---	---
Phosphorus	ppm	ASTM D5185(m)		630	---	---
Zinc	ppm	ASTM D5185(m)		737	---	---
Sulfur	ppm	ASTM D5185(m)		2243	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.4	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		▲ 2.80	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		8.1	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0884224
Lab Number : 02627774
Unique Number : 5760906
Test Package : MOB 2

Received : 10 Apr 2024
Tested : 10 Apr 2024
Diagnosed : 10 Apr 2024 - Kevin Marson

Lloyd McMaster
 116-10 Concord Place
 Grimsby, ON
 CA L3M 0G6
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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F: