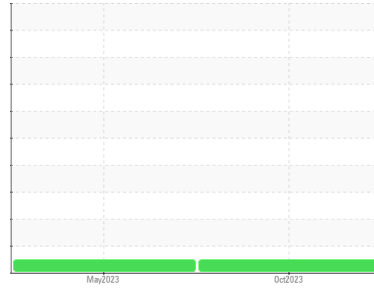




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
FORD 356057
 Component
Gasoline Engine
 Fluid
CASTROL EDGE 5W20 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0096340	GFL0082113	---
Sample Date	Client Info	10 Oct 2023	02 May 2023	---
Machine Age	hrs Client Info	246531	243887	---
Oil Age	hrs Client Info	2644	0	---
Oil Changed	Client Info	Changed	Changed	---
Sample Status		NORMAL	NORMAL	---

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >4.0	<1.0	0.3	---
Water	WC Method >0.2	NEG	NEG	---
Glycol	WC Method	NEG	NEG	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >150	39	119	---
Chromium	ppm ASTM D5185(m) >20	2	6	---
Nickel	ppm ASTM D5185(m) >5	<1	<1	---
Titanium	ppm ASTM D5185(m)	0	<1	---
Silver	ppm ASTM D5185(m) >2	<1	0	---
Aluminum	ppm ASTM D5185(m) >40	3	7	---
Lead	ppm ASTM D5185(m) >50	0	0	---
Copper	ppm ASTM D5185(m) >155	2	4	---
Tin	ppm ASTM D5185(m) >10	0	0	---
Antimony	ppm ASTM D5185(m)	0	0	---
Vanadium	ppm ASTM D5185(m)	0	0	---
Beryllium	ppm ASTM D5185(m)	0	0	---
Cadmium	ppm ASTM D5185(m)	0	0	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	29	22	---
Barium	ppm ASTM D5185(m)	<1	<1	---
Molybdenum	ppm ASTM D5185(m)	62	159	---
Manganese	ppm ASTM D5185(m)	<1	3	---
Magnesium	ppm ASTM D5185(m)	334	437	---
Calcium	ppm ASTM D5185(m)	1030	1232	---
Phosphorus	ppm ASTM D5185(m)	513	635	---
Zinc	ppm ASTM D5185(m)	568	727	---
Sulfur	ppm ASTM D5185(m)	1612	1681	---
Lithium	ppm ASTM D5185(m)	<1	<1	---

CONTAMINANTS

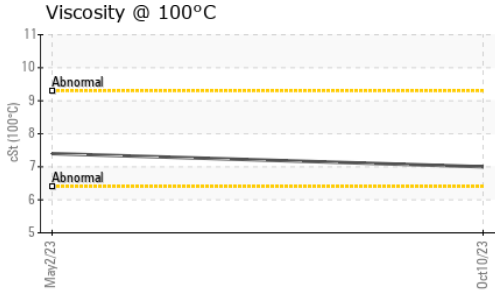
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >30	11	19	---
Sodium	ppm ASTM D5185(m) >400	3	7	---
Potassium	ppm ASTM D5185(m) >20	2	11	---

INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844*	0	0	---
Nitration	Abs/cm ASTM D7624*	9.6	13.4	---
Sulfation	Abs./1mm ASTM D7415*	18.1	24.9	---



OIL ANALYSIS REPORT



FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs./1mm ASTM D7414*	>25	18.5	---

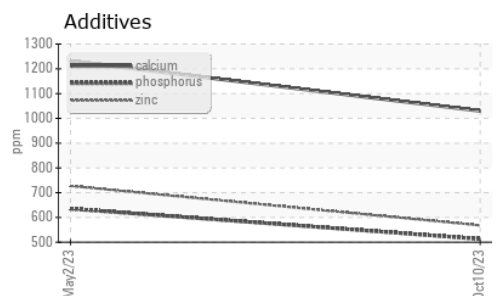
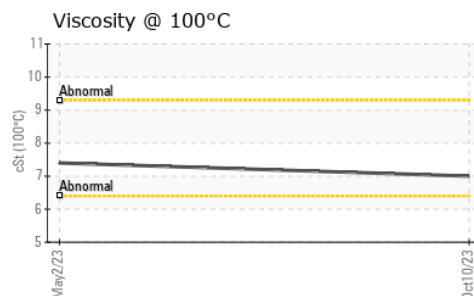
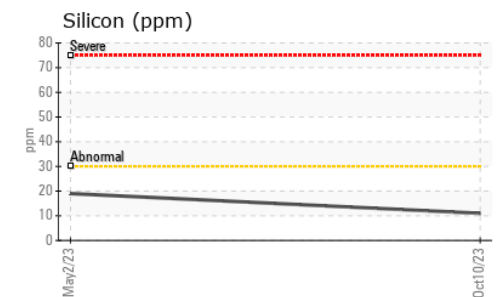
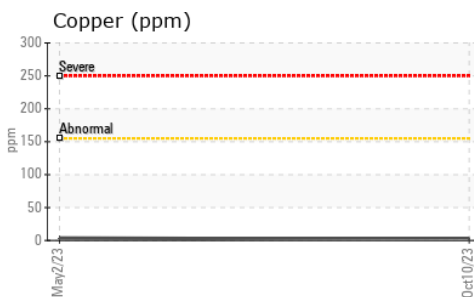
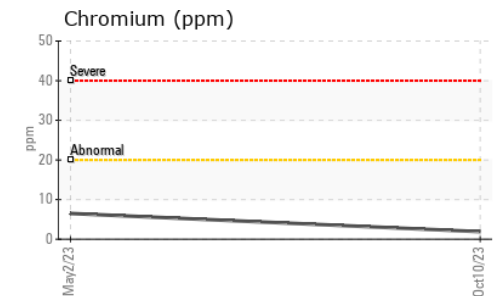
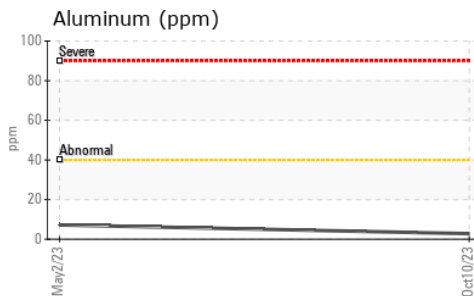
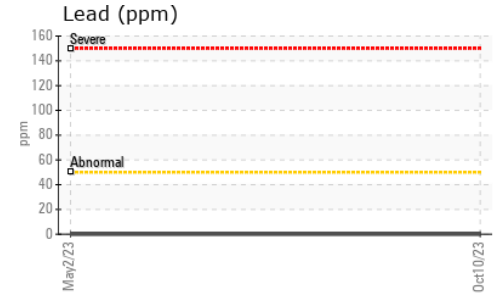
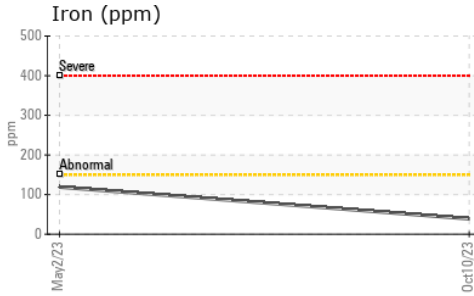
VISUAL

method	limit/base	current	history1	history2
Emulsified Water	scalar Visual*	>0.2	NEG	---
Free Water	scalar Visual*		NEG	---

FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 100°C	cSt ASTM D7279(m)	7	7.4	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0096340 **Received** : 13 Dec 2023
Lab Number : **02602815** **Diagnosed** : 13 Dec 2023
Unique Number : 5695900 **Diagnostician** : Wes Davis
Test Package : MOB 1

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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.