



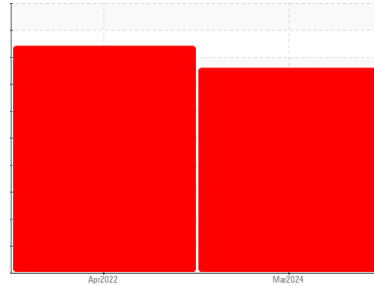
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
424073
Component
Transmission (Auto)
Fluid
DEXRON III (--- GAL)



DIAGNOSIS

▲ Recommendation

We advise that you check all areas where dirt can enter the system. We recommend that you drain the fluid from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DEXRON III. Please confirm.

▲ Wear

Aluminum ppm levels are severe. Torque converter wear is indicated.

▲ Contamination

There is a moderate concentration of dirt present in the fluid. High amount of ingressed dirt has caused abrasive wear to the component.

Fluid Condition

The AN level is acceptable for this fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0112469	GFL0049073	---
Sample Date	Client Info		09 Mar 2024	02 Apr 2022	---
Machine Age	hrs	Client Info	16594	13439	---
Oil Age	hrs	Client Info	2232	0	---
Oil Changed	Client Info		N/A	Changed	---
Sample Status			SEVERE	SEVERE	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>160	139	▲ 235	---
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>5	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>5	0	0	---
Aluminum	ppm	ASTM D5185(m)	>50	▲ 121	▲ 218	---
Lead	ppm	ASTM D5185(m)	>50	9	11	---
Copper	ppm	ASTM D5185(m)	>225	27	27	---
Tin	ppm	ASTM D5185(m)	>10	<1	4	---
Antimony	ppm	ASTM D5185(m)		0	<1	---
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)		70	95	---
Barium	ppm	ASTM D5185(m)		<1	0	---
Molybdenum	ppm	ASTM D5185(m)		0	<1	---
Manganese	ppm	ASTM D5185(m)		<1	2	---
Magnesium	ppm	ASTM D5185(m)		2	<1	---
Calcium	ppm	ASTM D5185(m)		100	30	---
Phosphorus	ppm	ASTM D5185(m)		229	269	---
Zinc	ppm	ASTM D5185(m)		16	14	---
Sulfur	ppm	ASTM D5185(m)		1030	239	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

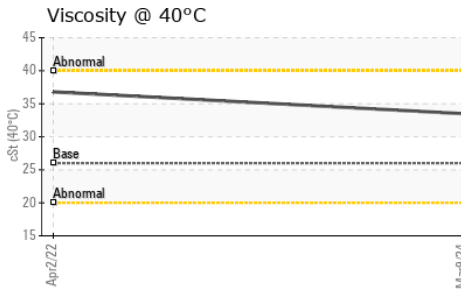
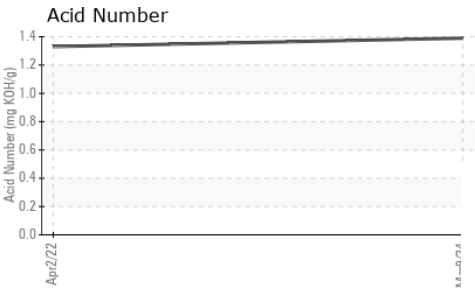
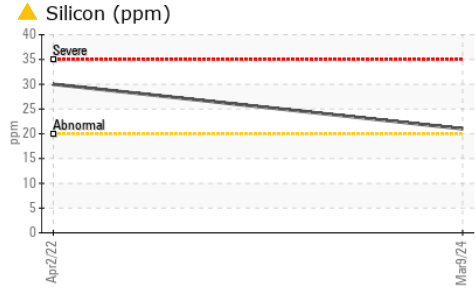
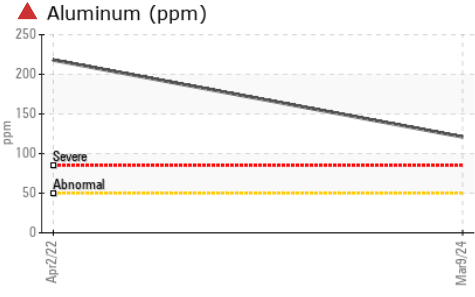
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Silicon	ppm	ASTM D5185(m)	>20	▲ 21	▲ 30	---
Sodium	ppm	ASTM D5185(m)		5	4	---
Potassium	ppm	ASTM D5185(m)	>20	1	2	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974*		1.39	1.33	---



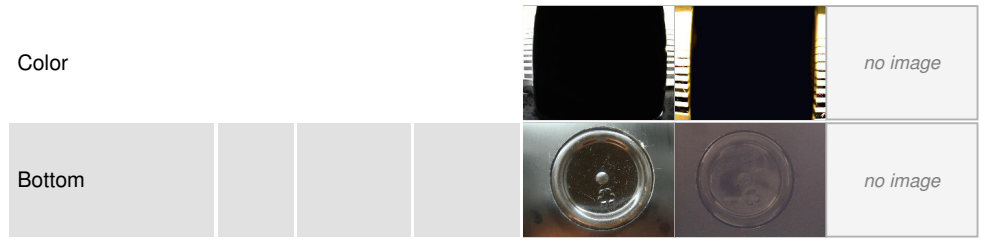
OIL ANALYSIS REPORT



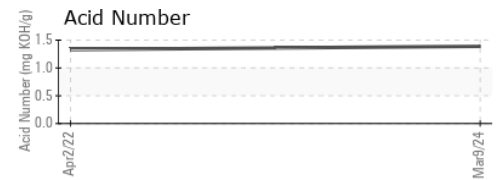
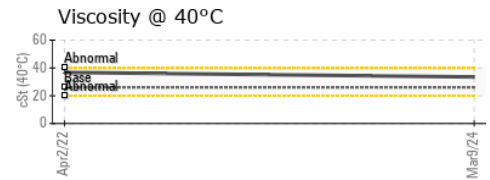
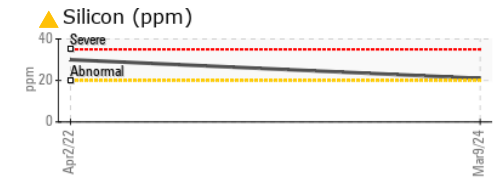
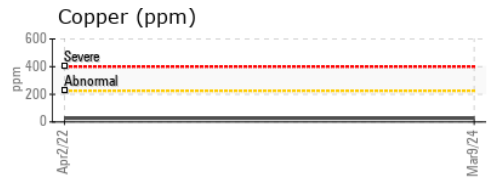
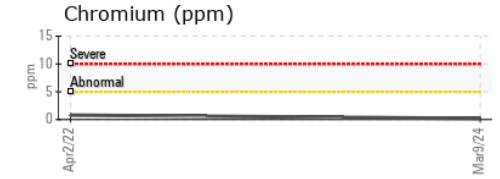
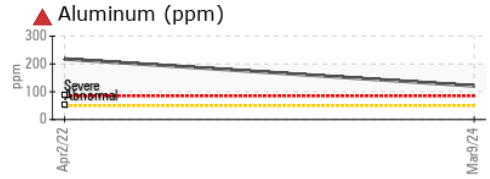
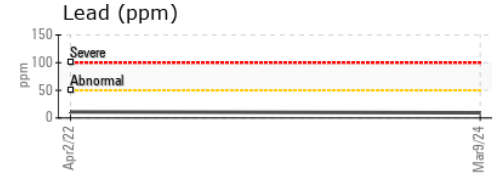
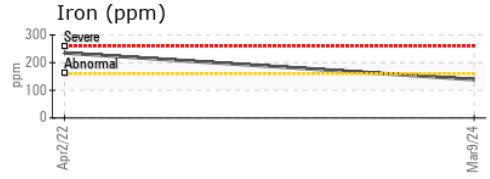
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	26.0	33.5	36.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0112469 **Received** : 20 Mar 2024
Lab Number : 02623461 **Tested** : 20 Mar 2024
Unique Number : 5748580 **Diagnosed** : 20 Mar 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: TAN Man)

GFL Environmental - 550 - Rocky View County
 220 Carmek Blvd
 Rocky View County, AB
 CA T1X 1X1
 Contact: GFL Calgary
 calgarymaintenance@gflenv.com
 T: (403)369-6163

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.