

Machine Id
400124
Component
Transmission (Auto)
Fluid
{not provided} (--- GAL)

RECOMMENDATION

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition. 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		GFL0112460	---	---
Sample Date		Client Info		22 Mar 2024	---	---
Machine Age	hrs	Client Info		12411	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

WEAR

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

Iron	ppm	ASTM D5185(m)	>160	70	---	---
Chromium	ppm	ASTM D5185(m)	>5	0	---	---
Nickel	ppm	ASTM D5185(m)	>5	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>5	0	---	---
Aluminum	ppm	ASTM D5185(m)	>50	▲ 51	---	---
Lead	ppm	ASTM D5185(m)	>50	8	---	---
Copper	ppm	ASTM D5185(m)	>225	15	---	---
Tin	ppm	ASTM D5185(m)	>10	<1	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

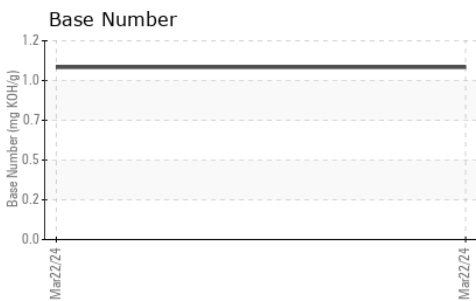
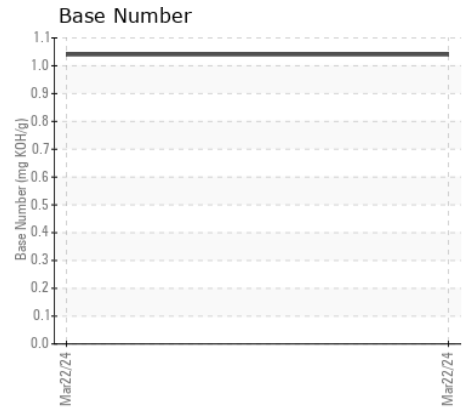
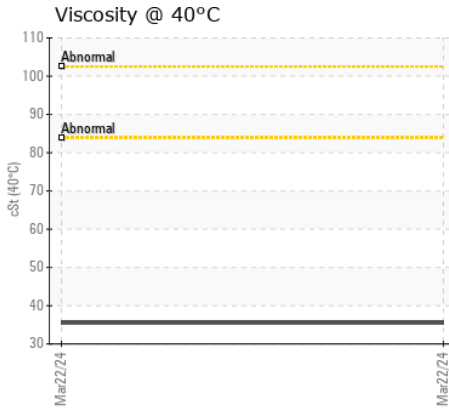
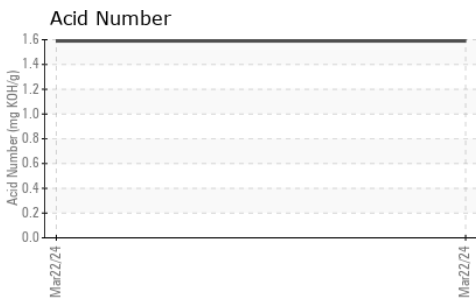
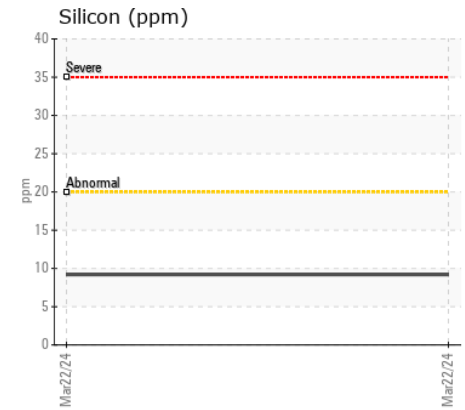
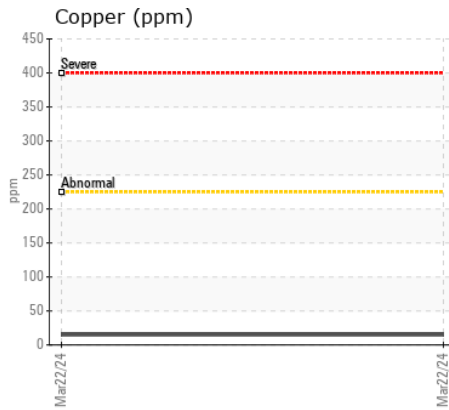
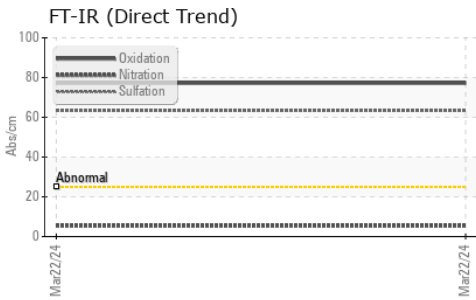
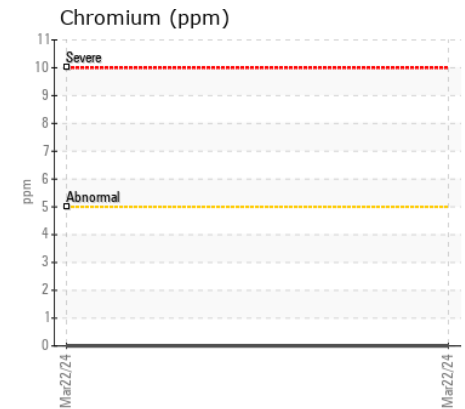
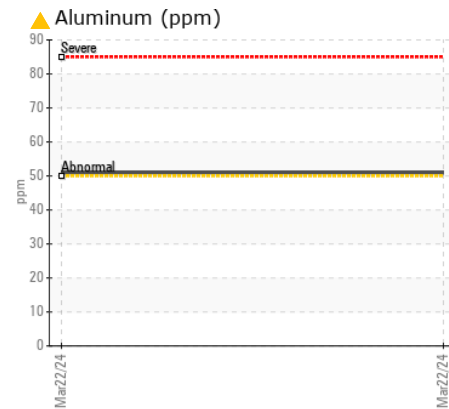
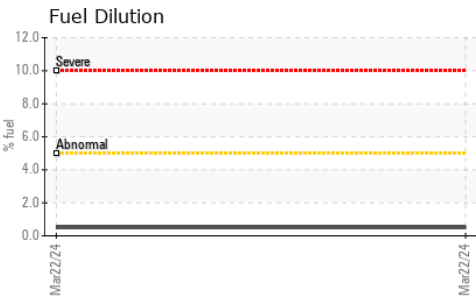
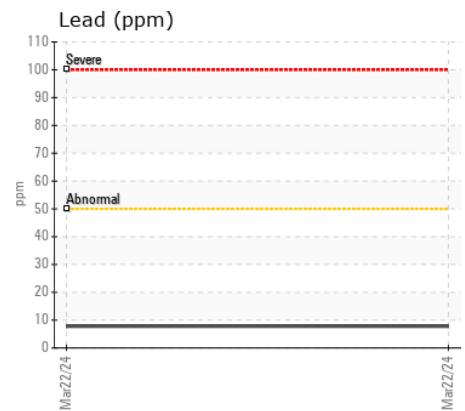
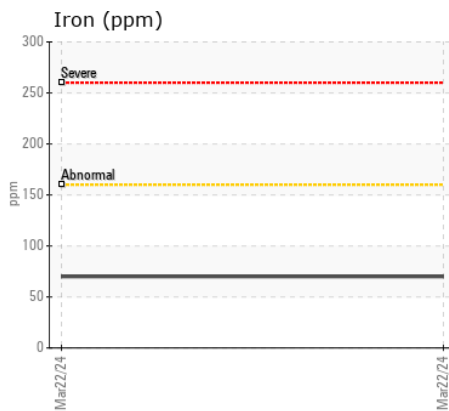
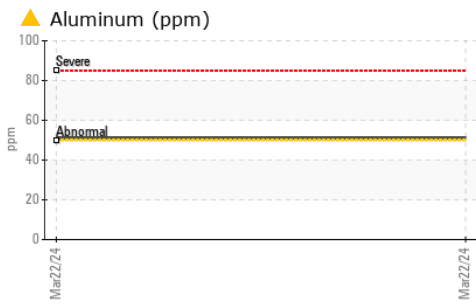
Fuel content negligible. There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>20	9	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---
Fuel	%	ASTM D7593*		0.5	---	---
Water		WC Method	>0.1	NEG	---	---
Soot %	%	ASTM D7844*		0	---	---
Nitration	Abs/cm	ASTM D7624*		5.4	---	---
Sulfation	Abs/.1mm	ASTM D7415*		63.3	---	---
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*	>0.1	NEG	---	---

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.

Sodium	ppm	ASTM D5185(m)		5	---	---
Boron	ppm	ASTM D5185(m)		113	---	---
Barium	ppm	ASTM D5185(m)		<1	---	---
Molybdenum	ppm	ASTM D5185(m)		0	---	---
Manganese	ppm	ASTM D5185(m)		2	---	---
Magnesium	ppm	ASTM D5185(m)		3	---	---
Calcium	ppm	ASTM D5185(m)		63	---	---
Phosphorus	ppm	ASTM D5185(m)		299	---	---
Zinc	ppm	ASTM D5185(m)		14	---	---
Sulfur	ppm	ASTM D5185(m)		888	---	---
Oxidation	Abs/.1mm	ASTM D7414*		77.2	---	---
Acid Number (AN)	mg KOH/g	ASTM D974*		1.59	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		1.04	---	---
Visc @ 40°C	cSt	ASTM D7279(m)		35.5	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		7.1	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		167	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 550 - Rocky View County**
Sample No. : GFL0112460 **Received** : 15 Apr 2024 **220 Carmek Blvd**
Lab Number : 02628781 **Tested** : 18 Apr 2024 **Rocky View County, AB**
Unique Number : 5761913 **Diagnosed** : 18 Apr 2024 - Kevin Marson **CA T1X 1X1**
Test Package : MOB 2 (Additional Tests: FT-IR, FuelDilution, KV100, PercentFuel, TAN Man, TBN, TBN, TBN) **Contact:** GFL Calgary
calgarymaintenance@gflenv.com

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.

T:
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