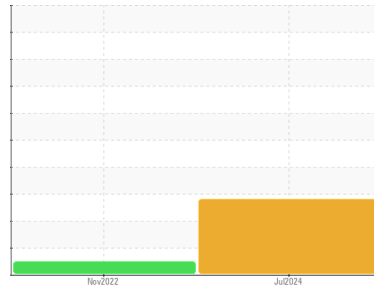




# OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id  
**726000**  
 Component  
**Transmission (Auto)**  
 Fluid  
**DEXRON III (--- GAL)**

## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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 fluid.

### Fluid Condition

Viscosity of sample indicates oil is within SAE 80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the fluid is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0120984</b>	GFL0065891	---
Sample Date	Client Info		<b>15 Jul 2024</b>	25 Nov 2022	---
Machine Age	hrs	Client Info	<b>0</b>	18512	---
Oil Age	hrs	Client Info	<b>2208</b>	1099	---
Oil Changed	Client Info		<b>N/A</b>	Not Changd	---
Sample Status			<b>ABNORMAL</b>	NORMAL	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>220	<b>10</b>	39	---
Chromium	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>75	<b>2</b>	14	---
Lead	ppm	ASTM D5185(m)	>95	<b>1</b>	2	---
Copper	ppm	ASTM D5185(m)	>60	<b>2</b>	15	---
Tin	ppm	ASTM D5185(m)	>10	<b>1</b>	1	---
Antimony	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		<b>46</b>	69	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)		<b>12</b>	<1	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)		<b>147</b>	2	---
Calcium	ppm	ASTM D5185(m)		<b>1885</b>	129	---
Phosphorus	ppm	ASTM D5185(m)		<b>937</b>	234	---
Zinc	ppm	ASTM D5185(m)		<b>1015</b>	8	---
Sulfur	ppm	ASTM D5185(m)		<b>2446</b>	1523	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	<b>6</b>	11	---
Sodium	ppm	ASTM D5185(m)		<b>4</b>	13	---
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	2	---

## INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*		<b>0.4</b>	0	---
Nitration	Abs/cm	ASTM D7624*		<b>9.3</b>	5.1	---
Sulfation	Abs/.1mm	ASTM D7415*		<b>23.5</b>	30.1	---

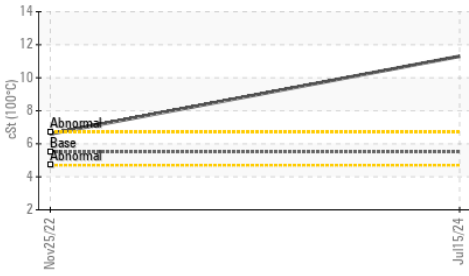
## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*		<b>20.1</b>	39.2	---

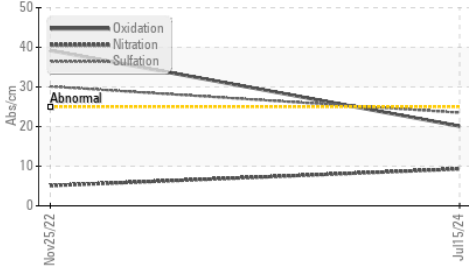


# OIL ANALYSIS REPORT

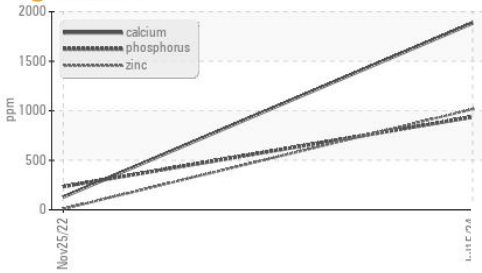
▲ Viscosity @ 100°C



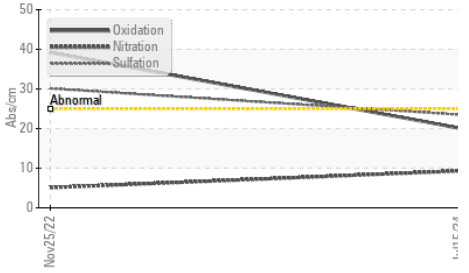
● FT-IR (Direct Trend)



● Additives



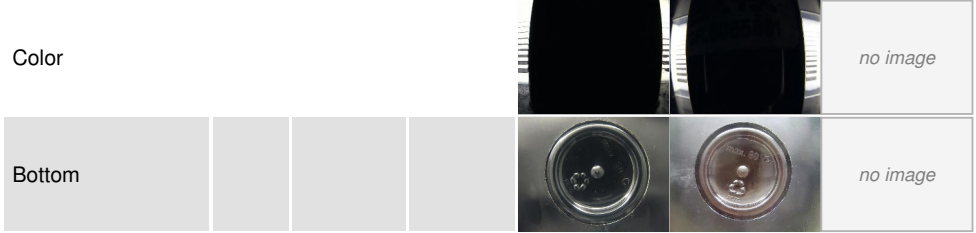
● FT-IR (Direct Trend)



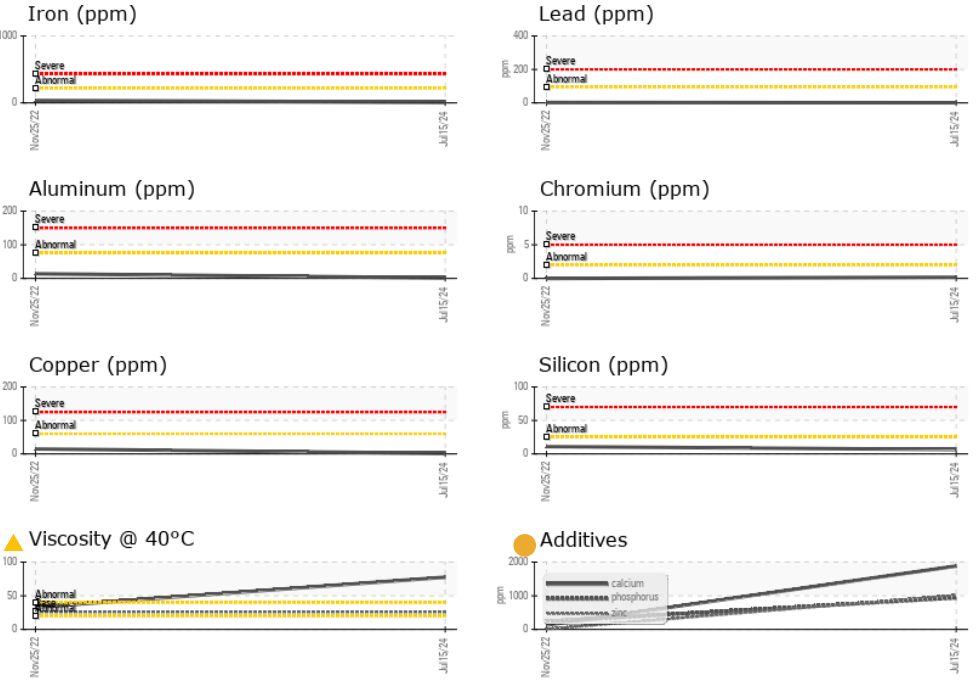
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	26.0 ▲ 77.6	33.0	---
Visc @ 100°C	cSt	ASTM D7279(m)	5.5 ▲ 11.3	6.6	---
Viscosity Index (VI)	Scale	ASTM D2270*	155	136	160

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.** : GFL0120984  
**Lab Number** : 02648061  
**Unique Number** : 5813613  
**Test Package** : MOB 1 ( Additional Tests: FT-IR, KV100, VI )

**GFL Environmental - 246 - Windsor**  
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 Windsor, ON  
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 F:

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.