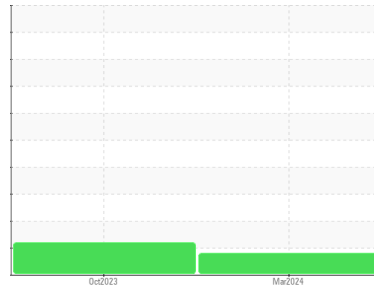




# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**913138**

Component  
**Hydraulic System**

Fluid  
**AW HYDRAULIC OIL ISO 32 (--- GAL)**

## DIAGNOSIS

### Recommendation

Nous avons pris note que le filtre a été remplacé au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

### Wear

Les taux d'usure de tous les composants sont normaux.

### Contamination

Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile.

### Fluid Condition

La viscosité de l'huile est plus élevée que la normale. L'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0093660</b>	GFL0063146	---
Sample Date	Client Info		<b>05 Mar 2024</b>	11 Oct 2023	---
Machine Age	hrs	Client Info	<b>2560</b>	1773	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

## 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)	>50	<b>16</b>	15	---
Chromium	ppm	ASTM D5185(m)	>10	<b>4</b>	2	---
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>5	<b>1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>15	<b>1</b>	1	---
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
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)	5	<b>0</b>	<1	---
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	5	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	25	<b>1</b>	<1	---
Calcium	ppm	ASTM D5185(m)	200	<b>47</b>	49	---
Phosphorus	ppm	ASTM D5185(m)	300	<b>323</b>	340	---
Zinc	ppm	ASTM D5185(m)	370	<b>387</b>	431	---
Sulfur	ppm	ASTM D5185(m)	2500	<b>1171</b>	743	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

## CONTAMINANTS

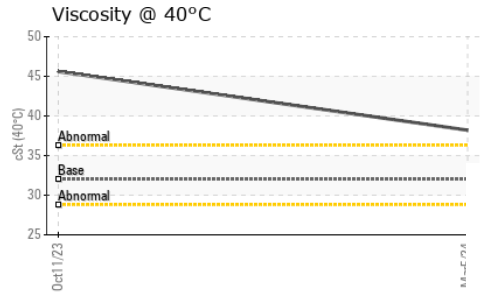
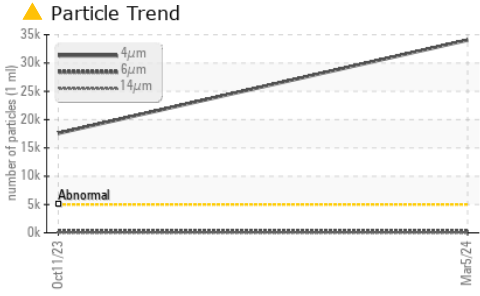
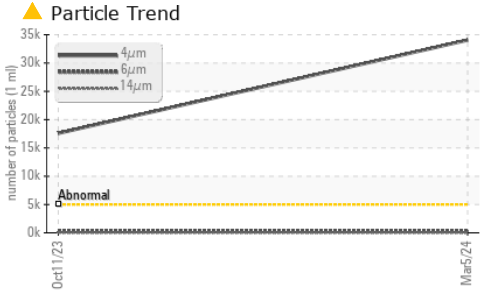
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>15	<b>2</b>	2	---
Sodium	ppm	ASTM D5185(m)		<b>4</b>	3	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	---

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	<b>▲ 34055</b>	▲ 17583	---
Particles >6µm	ASTM D7647	>1300	<b>232</b>	330	---
Particles >14µm	ASTM D7647	>160	<b>15</b>	20	---
Particles >21µm	ASTM D7647	>40	<b>4</b>	4	---
Particles >38µm	ASTM D7647	>10	<b>1</b>	1	---
Particles >71µm	ASTM D7647	>3	<b>0</b>	1	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<b>▲ 22/15/11</b>	▲ 21/16/11	---



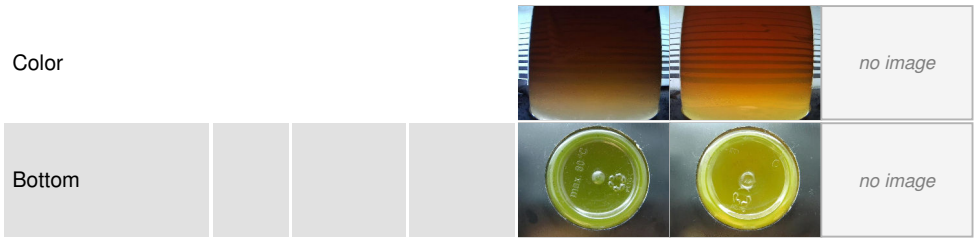
# OIL ANALYSIS REPORT



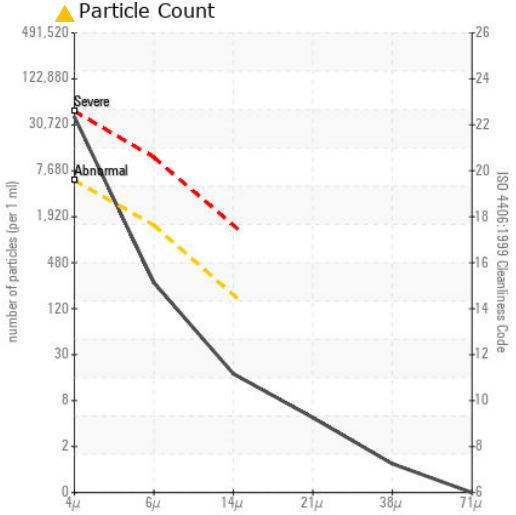
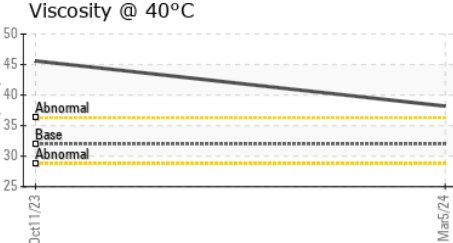
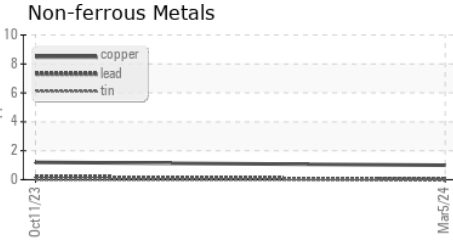
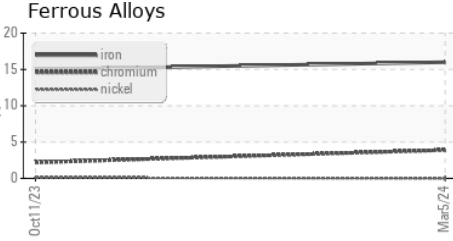
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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)	32	38.2	▲ 45.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9    **GFL Environmental - 769 - Drummondville CD**  
**Sample No.** : GFL0093660    **Received** : 08 Mar 2024    1005 rue Rhea  
**Lab Number** : 02620877    **Tested** : 11 Mar 2024    Drummondville, QC  
**Unique Number** : 5745996    **Diagnosed** : 11 Mar 2024 - Kevin Marson    CA J2B 8A9  
**Test Package** : MOB 1 ( Additional Tests: PrtCount )    **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.