

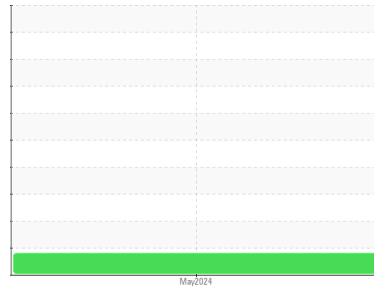


# OIL ANALYSIS REPORT



Machine Id  
**WL0471**  
 Component  
**Hydraulic System**  
 Fluid  
**SAE 10W (--- LTR)**

## Sample Rating Trend



ISO



## DIAGNOSIS

### Recommendation

Nous recommandons le remplacement des filtres de ce composant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### Wear

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

### Contamination

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

### Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>GFL0118338</b>	---	---
Sample Date	Client Info	<b>13 May 2024</b>	---	---
Machine Age	hrs Client Info	<b>759</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ATTENTION</b>	---	---

## CONTAMINATION

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

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >20	<b>3</b>	---	---
Chromium	ppm ASTM D5185(m) >10	<b>0</b>	---	---
Nickel	ppm ASTM D5185(m) >10	<b>0</b>	---	---
Titanium	ppm ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Lead	ppm ASTM D5185(m) >10	<b>0</b>	---	---
Copper	ppm ASTM D5185(m) >75	<b>2</b>	---	---
Tin	ppm ASTM D5185(m) >10	<b>0</b>	---	---
Antimony	ppm ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Barium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Molybdenum	ppm ASTM D5185(m)	<b>0</b>	---	---
Manganese	ppm ASTM D5185(m)	<b>0</b>	---	---
Magnesium	ppm ASTM D5185(m)	<b>2</b>	---	---
Calcium	ppm ASTM D5185(m)	<b>172</b>	---	---
Phosphorus	ppm ASTM D5185(m)	<b>576</b>	---	---
Zinc	ppm ASTM D5185(m)	<b>730</b>	---	---
Sulfur	ppm ASTM D5185(m)	<b>1232</b>	---	---
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

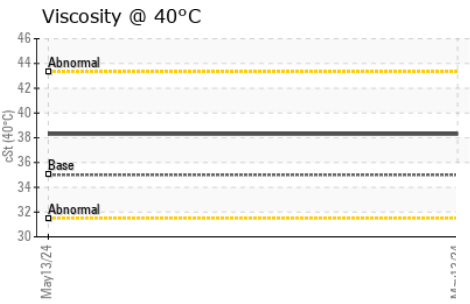
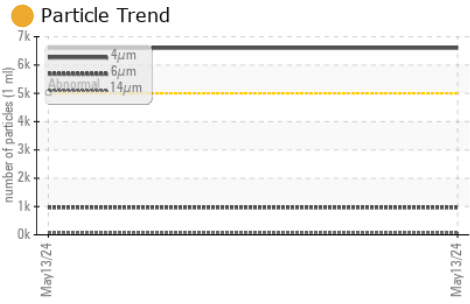
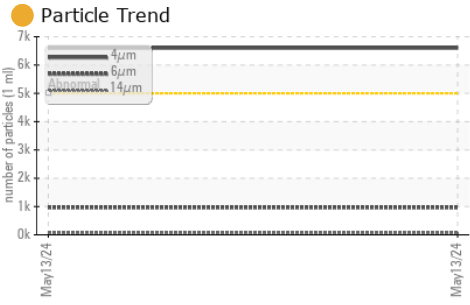
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >20	<b>0</b>	---	---
Sodium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Potassium	ppm ASTM D5185(m) >20	<b>&lt;1</b>	---	---

## FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	<b>6600</b>	---	---
Particles >6µm	ASTM D7647 >1300	<b>965</b>	---	---
Particles >14µm	ASTM D7647 >160	<b>70</b>	---	---
Particles >21µm	ASTM D7647 >40	<b>22</b>	---	---
Particles >38µm	ASTM D7647 >10	<b>1</b>	---	---
Particles >71µm	ASTM D7647 >3	<b>0</b>	---	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	<b>20/17/13</b>	---	---



# OIL ANALYSIS REPORT



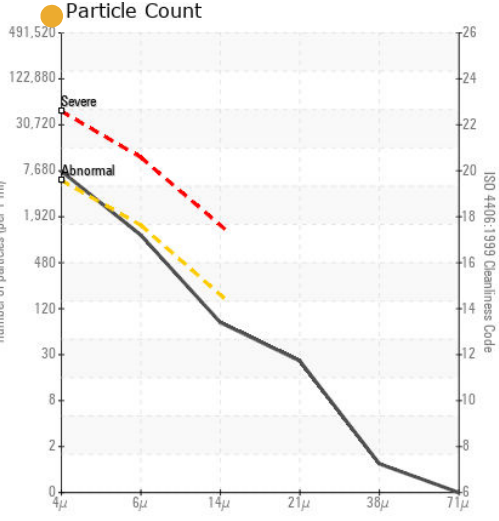
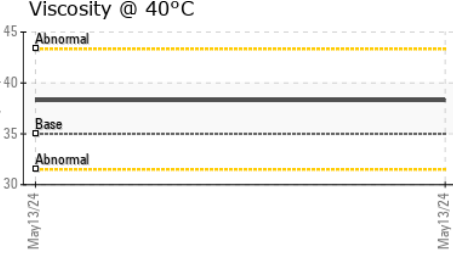
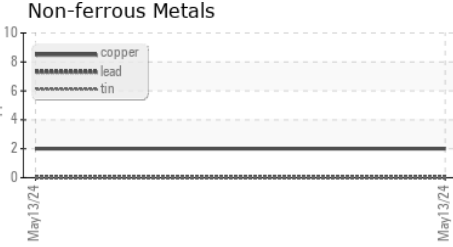
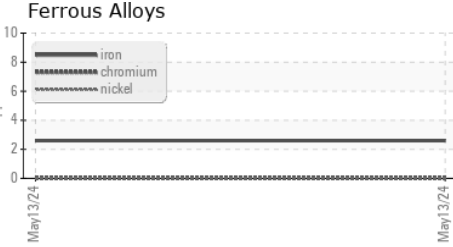
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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)	35.0	38.3	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9    GFL Environmental - 743 - Montreal Est CD Processing  
**Sample No.** : GFL0118338    **Received** : 15 May 2024    10930 rue Sherbrooke  
**Lab Number** : 02635694    **Tested** : 16 May 2024    Montreal, QC  
**Unique Number** : 5776847    **Diagnosed** : 16 May 2024 - Wes Davis    CA H1B 1B4  
**Test Package** : MOB 1 ( Additional Tests: PrtCount )    Contact: Patrick Beaulieu  
 patrick.beaulieu@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.