



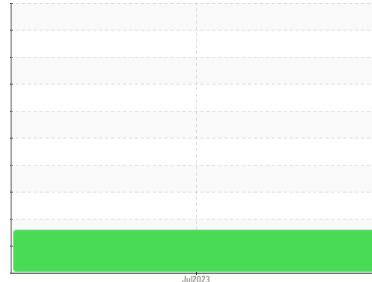
# OIL ANALYSIS REPORT

Sample Rating Trend

DIRT



Machine Id  
**833084**  
Component  
**Diesel Engine**  
Fluid  
**NOT GIVEN (--- GAL)**



## DIAGNOSIS

### Recommendation

Nous vous recommandons de vérifier le filtre à air, le système d'induction d'air et tout endroit où la saleté peut entrer dans le composant. Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous recommandons le remplacement des filtres de ce composant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

### Wear

Les taux d'usure de tous les composants sont normaux. Nous avons supposé que ce composant n'est pas en rodage (âge du composant non indiqué).

### Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Concentration modérée de saleté dans l'huile.

### Fluid Condition

l'huile ne peut plus être utilisée en raison de la présence de contaminants.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>GFL0084458</b>	---	---
Sample Date	Client Info	<b>26 Jul 2023</b>	---	---
Machine Age	hrs Client Info	<b>0</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>Not Chngd</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >5	<b>&lt;1.0</b>	---	---
Glycol	WC Method	<b>NEG</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >80	<b>32</b>	---	---
Chromium	ppm ASTM D5185(m) >5	<b>&lt;1</b>	---	---
Nickel	ppm ASTM D5185(m) >2	<b>&lt;1</b>	---	---
Titanium	ppm ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm ASTM D5185(m) >3	<b>&lt;1</b>	---	---
Aluminum	ppm ASTM D5185(m) >30	<b>4</b>	---	---
Lead	ppm ASTM D5185(m) >30	<b>1</b>	---	---
Copper	ppm ASTM D5185(m) >150	<b>16</b>	---	---
Tin	ppm ASTM D5185(m) >5	<b>&lt;1</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>12</b>	---	---
Barium	ppm ASTM D5185(m)	<b>3</b>	---	---
Molybdenum	ppm ASTM D5185(m)	<b>88</b>	---	---
Manganese	ppm ASTM D5185(m)	<b>12</b>	---	---
Magnesium	ppm ASTM D5185(m)	<b>671</b>	---	---
Calcium	ppm ASTM D5185(m)	<b>1095</b>	---	---
Phosphorus	ppm ASTM D5185(m)	<b>738</b>	---	---
Zinc	ppm ASTM D5185(m)	<b>798</b>	---	---
Sulfur	ppm ASTM D5185(m)	<b>2329</b>	---	---
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >20	<b>▲ 35</b>	---	---
Sodium	ppm ASTM D5185(m)	<b>4</b>	---	---
Potassium	ppm ASTM D5185(m) >20	<b>15</b>	---	---

## INFRA-RED

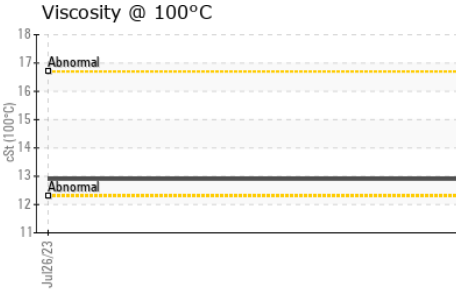
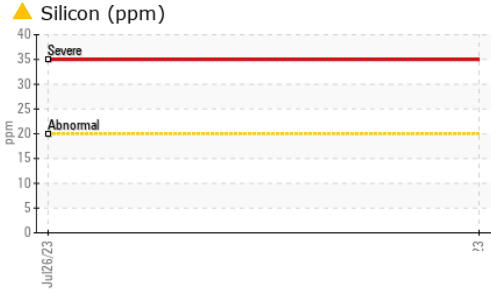
method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	<b>0</b>	---	---
Nitration	Abs/cm ASTM D7624* >20	<b>9.3</b>	---	---
Sulfation	Abs/.1mm ASTM D7415* >30	<b>22.1</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414* >25	<b>16.5</b>	---	---



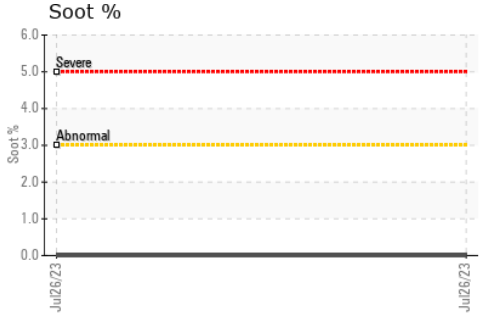
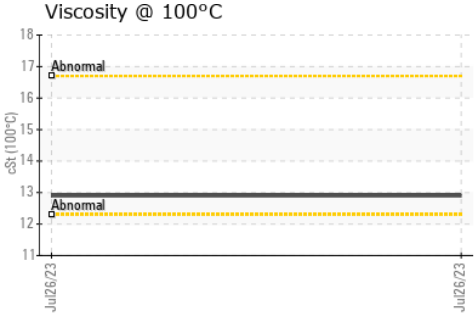
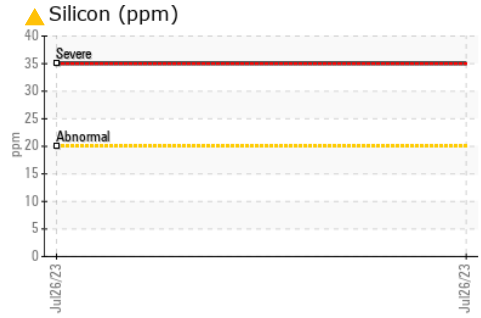
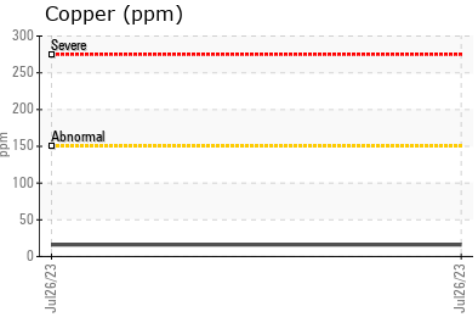
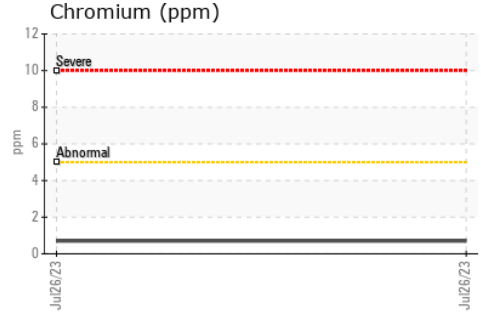
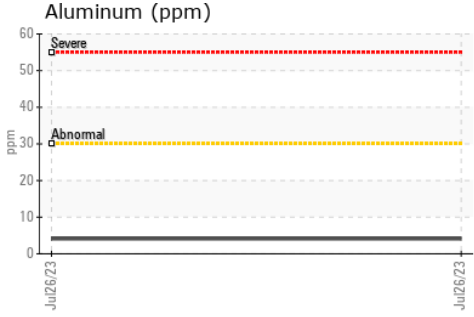
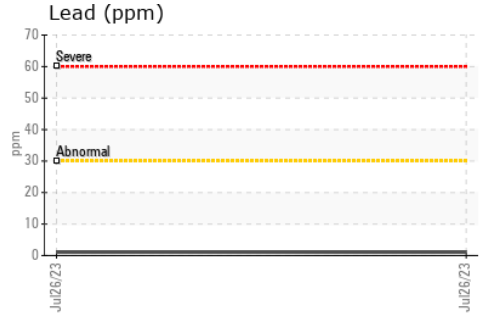
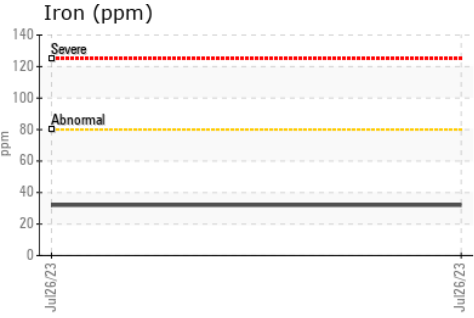
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	12.9	---	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste  
**Sample No.** : GFL0084458 **Received** : 28 Jul 2023  
**Lab Number** : 02572855 **Diagnosed** : 28 Jul 2023  
**Unique Number** : 5617906 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1

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.