



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**713071**

Component  
**Diesel Engine**

Fluid  
**DIESEL ENGINE OIL SAE 10W30 (--- GAL)**

## DIAGNOSIS

### Recommendation

Aucune mesure corrective n'est recommandée pour l'instant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

### Wear

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

### Contamination

La teneur en carburant est négligeable. 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. Il n'y a aucun indice de contamination 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>GFL</b>	---	---
Sample Date	Client Info	<b>10 Aug 2023</b>	---	---
Machine Age	kms Client Info	<b>0</b>	---	---
Oil Age	kms Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## CONTAMINATION

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

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >100	<b>55</b>	---	---
Chromium	ppm ASTM D5185(m) >20	<b>2</b>	---	---
Nickel	ppm ASTM D5185(m) >4	<b>1</b>	---	---
Titanium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185(m) >3	<b>1</b>	---	---
Aluminum	ppm ASTM D5185(m) >20	<b>8</b>	---	---
Lead	ppm ASTM D5185(m) >40	<b>4</b>	---	---
Copper	ppm ASTM D5185(m) >330	<b>187</b>	---	---
Tin	ppm ASTM D5185(m) >15	<b>5</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) 250	<b>49</b>	---	---
Barium	ppm ASTM D5185(m) 10	<b>&lt;1</b>	---	---
Molybdenum	ppm ASTM D5185(m) 100	<b>47</b>	---	---
Manganese	ppm ASTM D5185(m)	<b>5</b>	---	---
Magnesium	ppm ASTM D5185(m) 450	<b>551</b>	---	---
Calcium	ppm ASTM D5185(m) 3000	<b>1917</b>	---	---
Phosphorus	ppm ASTM D5185(m) 1150	<b>771</b>	---	---
Zinc	ppm ASTM D5185(m) 1350	<b>926</b>	---	---
Sulfur	ppm ASTM D5185(m) 4250	<b>1770</b>	---	---
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	<b>8</b>	---	---
Sodium	ppm ASTM D5185(m)	<b>5</b>	---	---
Potassium	ppm ASTM D5185(m) >20	<b>18</b>	---	---
Fuel	% ASTM D7593* >5	<b>0.4</b>	---	---

## INFRA-RED

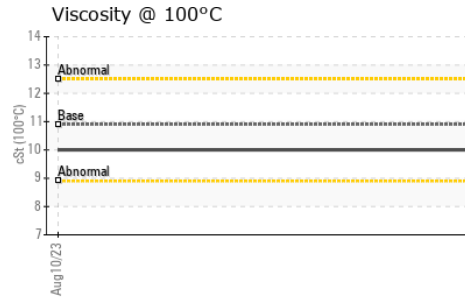
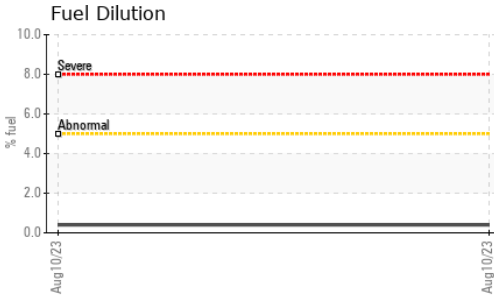
method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	<b>0.3</b>	---	---
Nitration	Abs/cm ASTM D7624* >20	<b>8.0</b>	---	---
Sulfation	Abs/.1mm ASTM D7415* >30	<b>22.9</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414* >25	<b>19.9</b>	---	---



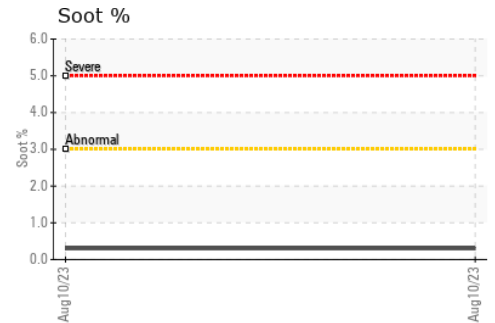
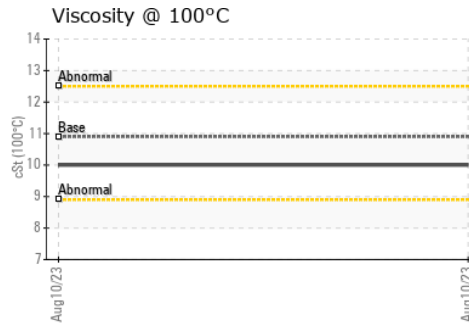
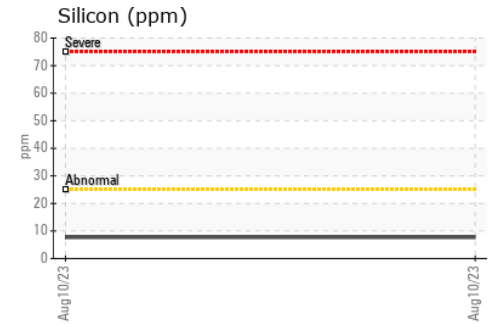
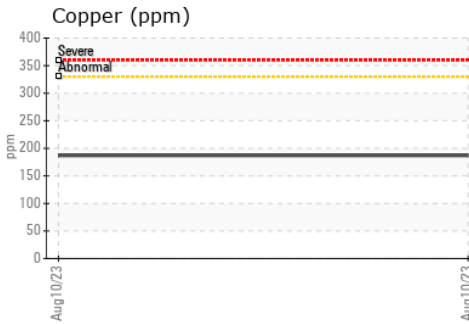
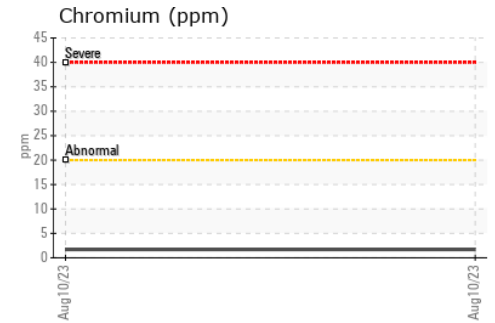
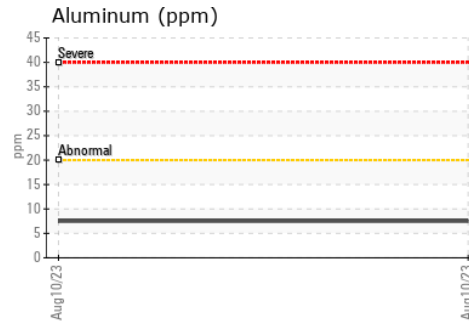
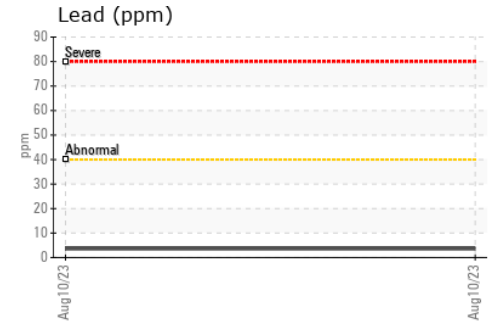
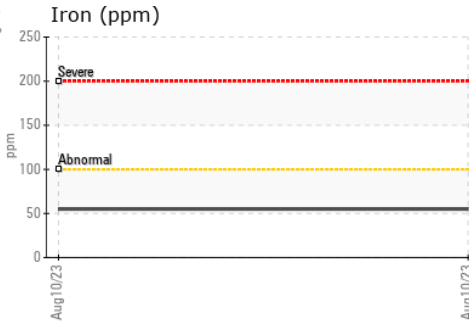
# OIL ANALYSIS REPORT



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)	10.9	10.0	---

## GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste  
**Sample No.** : GFL **Received** : 11 Aug 2023  
**Lab Number** : 02575303 **Diagnosed** : 14 Aug 2023  
**Unique Number** : 5620354 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, PercentFuel )

4365 boul. St-Elzear Ouest,  
Laval, QC  
CA H7P 4J3  
Contact: Louis Michaud  
louis.michaud@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:  
F: