



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**813098**  
Component  
**Diesel Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 30 (--- GAL)**

**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. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiqua que ce fluide est du (GENERIC) DIESEL ENGINE OIL SAE 30. Veuillez confirmer.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0096624</b>	GFL0096648	---
Sample Date		Client Info		<b>09 Jan 2024</b>	11 Oct 2023	---
Machine Age	kms	Client Info		<b>43889</b>	29564	---
Oil Age	kms	Client Info		<b>600</b>	600	---
Filter Age	kms	Client Info		<b>600</b>	600	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	SEVERE	---

**WEAR**

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>120	<b>19</b>	24	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>5	<b>3</b>	2	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	1	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>3</b>	3	---
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	2	---
Copper	ppm	ASTM D5185(m)	>330	<b>19</b>	53	---
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

**CONTAMINATION**

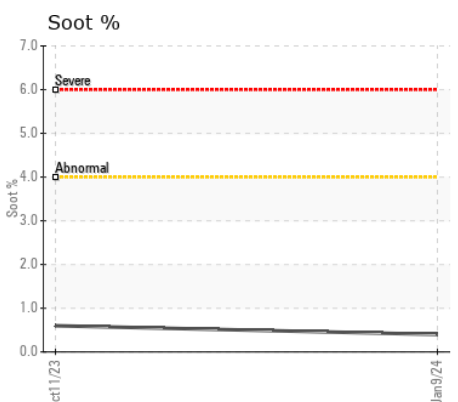
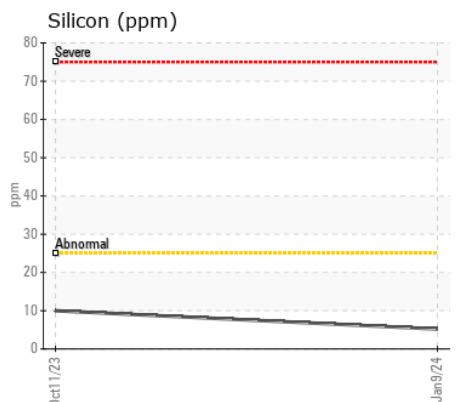
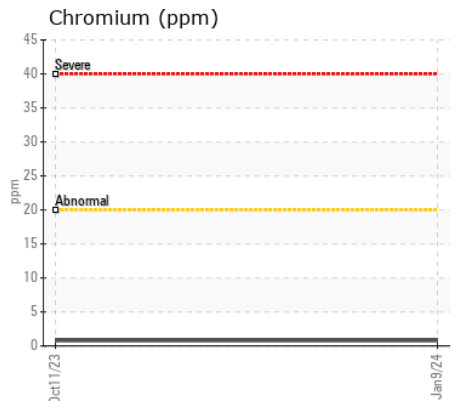
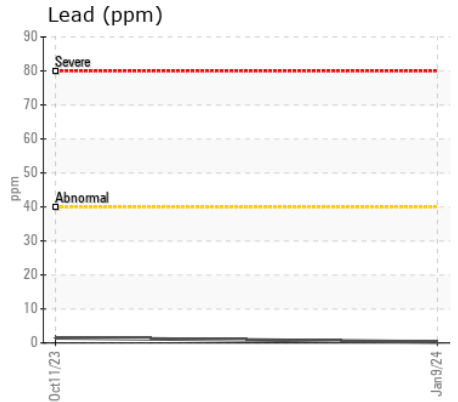
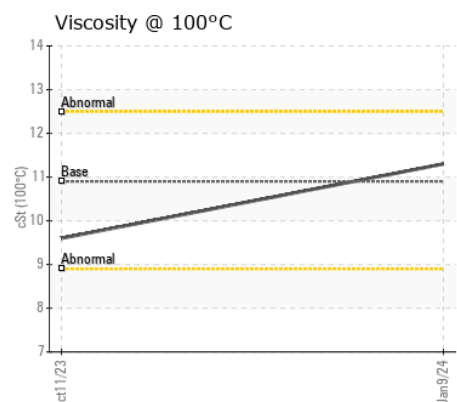
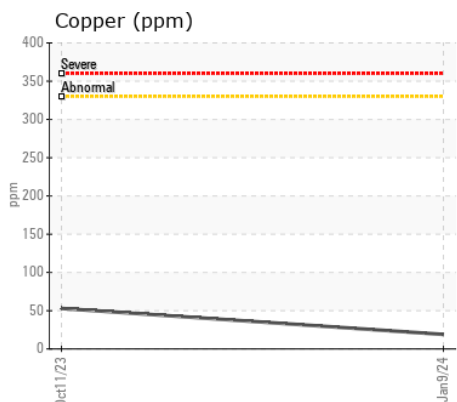
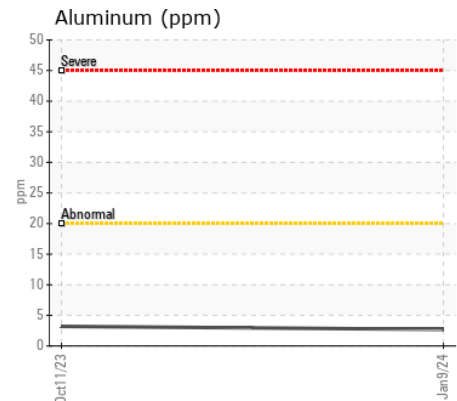
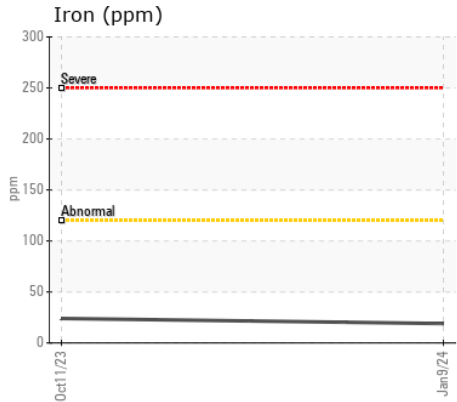
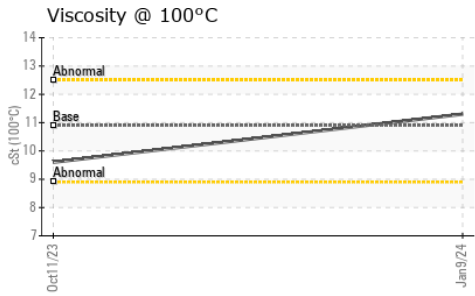
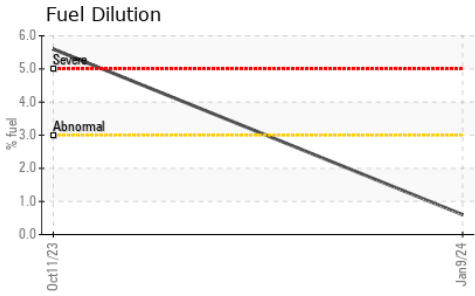
La teneur en carburant est négligeable. Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>5</b>	10	---
Potassium	ppm	ASTM D5185(m)	>20	<b>5</b>	6	---
Fuel	%	ASTM D7593*	>3.0	<b>0.6</b>	5.6	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*	>4	<b>0.4</b>	0.6	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.0</b>	8.8	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.9</b>	20.5	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)	>75	<b>3</b>	4	---
Boron	ppm	ASTM D5185(m)	250	<b>3</b>	8	---
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>55</b>	64	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	450	<b>854</b>	889	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1107</b>	1051	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>904</b>	834	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1118</b>	1090	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2275</b>	1887	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.9</b>	16.1	---
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	<b>11.3</b>	9.6	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0096624  
**Lab Number** : 026168663  
**Unique Number** : 5733973  
**Test Package** : MOB 1 ( Additional Tests: PercentFuel )  
**Received** : 21 Feb 2024  
**Tested** : 22 Feb 2024  
**Diagnosed** : 22 Feb 2024 - Wes Davis

**GFL Environmental - 730 - Chicoutimi - Hauling**  
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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.