



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



Machine Id  
**733013**  
Component  
**Diesel Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

**RECOMMENDATION**

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0047470</b>	GFL0047473	---
Sample Date		Client Info		<b>29 Apr 2024</b>	14 Nov 2023	---
Machine Age	hrs	Client Info		<b>0</b>	501	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	N/A	---
Filter Changed		Client Info		<b>Not Chngd</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>120	<b>72</b>	69	---
Chromium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	---
Nickel	ppm	ASTM D5185(m)	>5	<b>2</b>	1	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>12</b>	13	---
Lead	ppm	ASTM D5185(m)	>40	<b>2</b>	2	---
Copper	ppm	ASTM D5185(m)	>330	<b>18</b>	19	---
Tin	ppm	ASTM D5185(m)	>15	<b>1</b>	1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

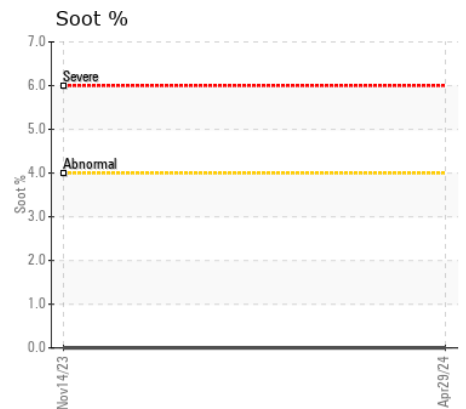
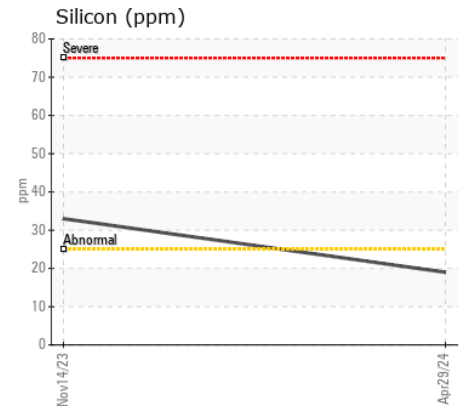
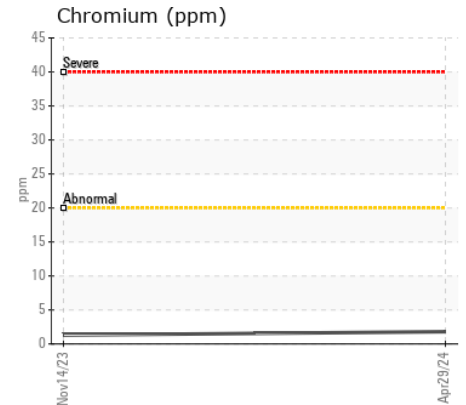
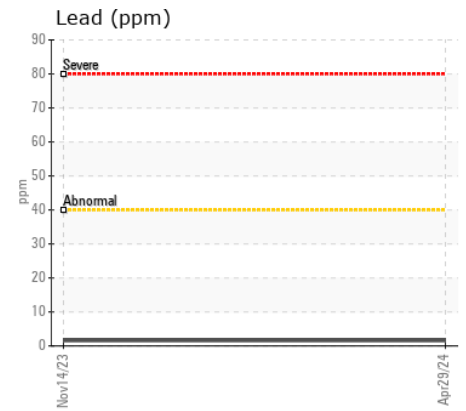
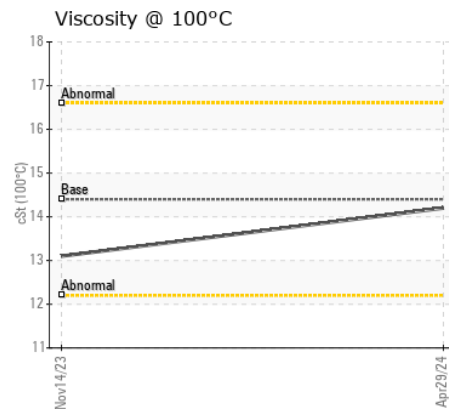
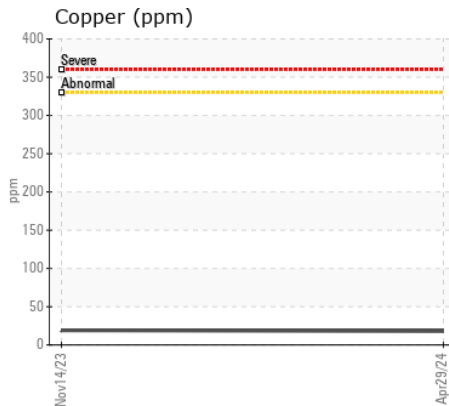
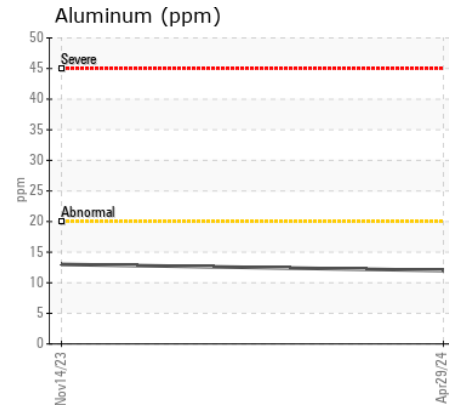
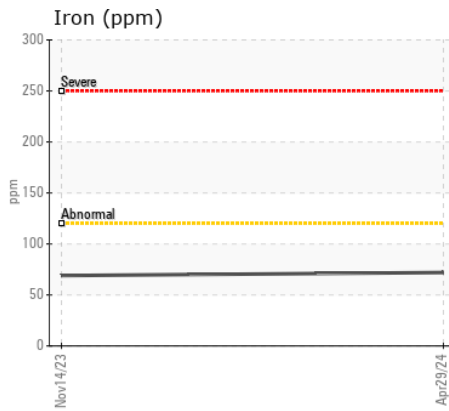
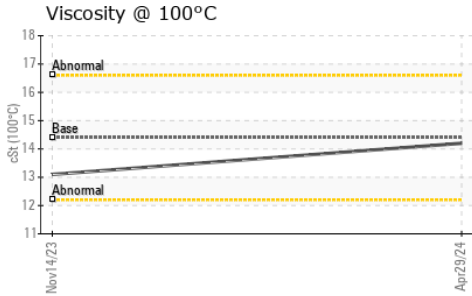
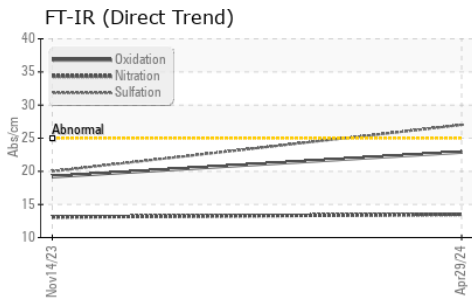
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>19</b>	33	---
Potassium	ppm	ASTM D5185(m)	>20	<b>16</b>	18	---
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*	>4	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>13.5</b>	13.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>27.0</b>	20.0	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
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)	>158	<b>7</b>	6	---
Boron	ppm	ASTM D5185(m)	250	<b>6</b>	13	---
Barium	ppm	ASTM D5185(m)	10	<b>2</b>	3	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>59</b>	54	---
Manganese	ppm	ASTM D5185(m)		<b>12</b>	12	---
Magnesium	ppm	ASTM D5185(m)	450	<b>821</b>	821	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1328</b>	1234	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>718</b>	701	---
Zinc	ppm	ASTM D5185(m)	1350	<b>929</b>	881	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>1909</b>	1928	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>22.9</b>	19.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>14.2</b>	13.1	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0047470  
**Lab Number** : 02637845  
**Unique Number** : 5787007  
**Test Package** : MOB 1 ( Additional Tests: Visual )

**GFL Environmental - 780 - GMA - ICI - Solid Waste**  
 4365 boul. St-Elzear Ouest,  
 Laval, QC  
 CA H7P 4J3  
 Contact: Pieces Laval  
 pieces.laval@gflenv.com  
 T: (450)687-3838  
 F:

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.