



Machine Id  
**FREIGHTLINER 227128**  
Component  
**2 Differential**  
Fluid  
**SAE 80W90 (--- GAL)**

**RECOMMENDATION**

Nous vous recommandons de vérifier la présence de particules métalliques visibles dans l'huile. Nous vous recommandons de vérifier tous les endroits par lesquels de la saleté peut pénétrer dans le système. Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

**WEAR**

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

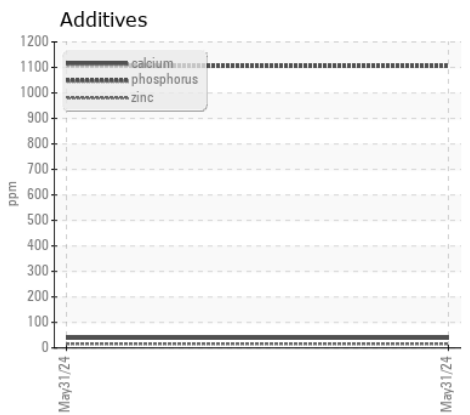
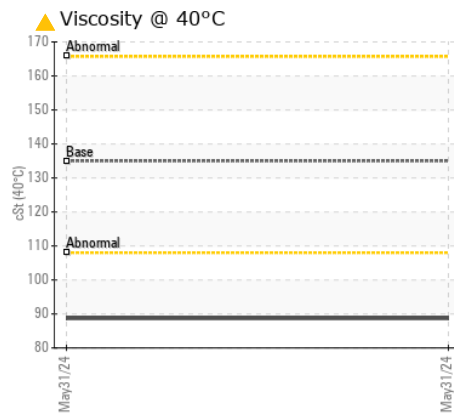
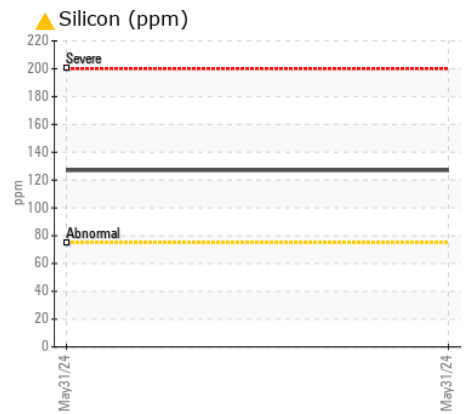
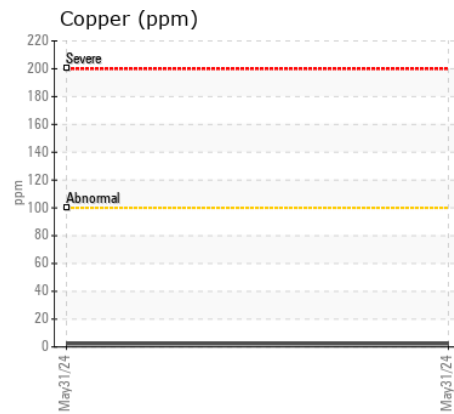
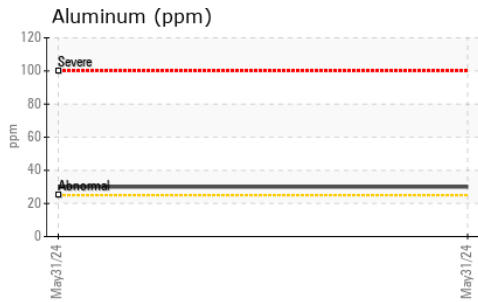
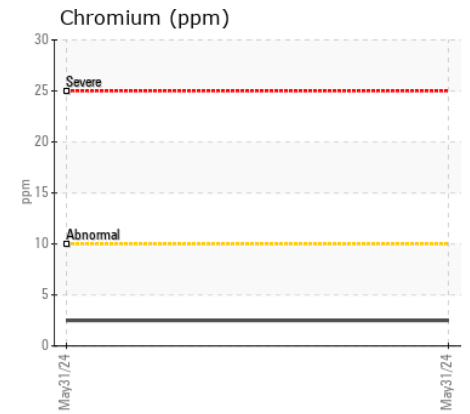
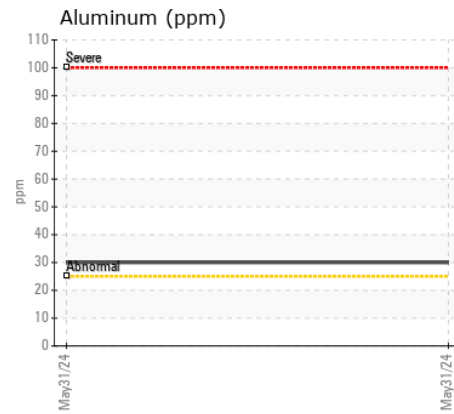
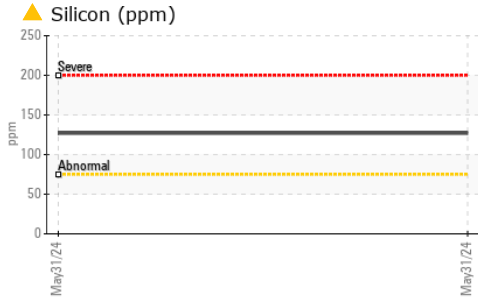
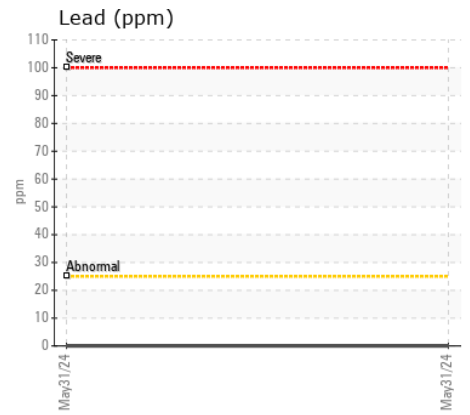
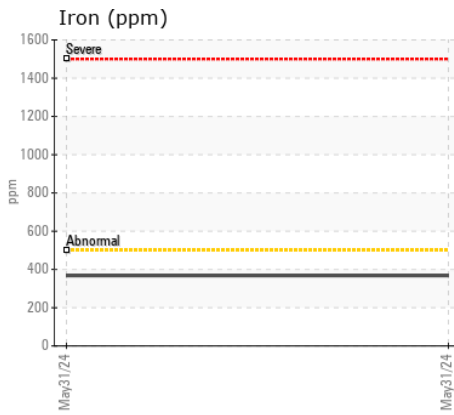
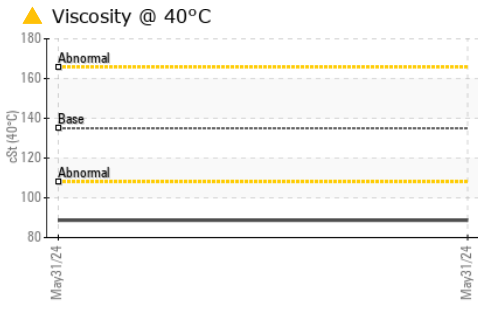
**CONTAMINATION**

Les niveaux élémentaires de silicone (Si) et d'aluminium (Al) indiquent l'infiltration d'alumine-silicate (grosses particules de poussière). Une grande quantité de saleté a provoqué une usure abrasive du composant.

**FLUID CONDITION**

La viscosité de l'échantillon se situe dans la portée de l'SAE 80; nous vous conseillons de vérifier. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0113543</b>	---	---
Sample Date		Client Info		<b>31 May 2024</b>	---	---
Machine Age	hrs	Client Info		<b>11832</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Changd</b>	---	---
Filter Changed		Client Info		<b>Not Changd</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---
Iron	ppm	ASTM D5185(m)	>500	<b>368</b>	---	---
Chromium	ppm	ASTM D5185(m)	>10	<b>2</b>	---	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>1</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>30</b>	---	---
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>100	<b>2</b>	---	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>▲ MODER</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Silicon	ppm	ASTM D5185(m)	>75	<b>▲ 127</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>13</b>	---	---
Water		WC Method	>.2	<b>NEG</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>.2	<b>NEG</b>	---	---
Sodium	ppm	ASTM D5185(m)	>50	<b>11</b>	---	---
Boron	ppm	ASTM D5185(m)	200	<b>207</b>	---	---
Barium	ppm	ASTM D5185(m)	0	<b>9</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>5</b>	---	---
Magnesium	ppm	ASTM D5185(m)	0	<b>6</b>	---	---
Calcium	ppm	ASTM D5185(m)	20	<b>39</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1000	<b>1105</b>	---	---
Zinc	ppm	ASTM D5185(m)	20	<b>16</b>	---	---
Sulfur	ppm	ASTM D5185(m)	22000	<b>19081</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	135	<b>▲ 88.7</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0113543 **Received** : 28 Jun 2024  
**Lab Number** : 02644652 **Tested** : 03 Jul 2024  
**Unique Number** : 5802191 **Diagnosed** : 03 Jul 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: Bottom, BottomAnalysis, FilterPatch )

**GFL Environmental 791MAT - Matane**  
 29 rue Brilliant  
 Matane, QC  
 CA G4W 0J7  
 Contact: B Berube  
 bberube@matrec.ca

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: