



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



Machine Id  
**FREIGHTLINER 108SD 813105**  
Component  
**Diesel Engine**  
Fluid  
**SAE 15W40 (--- 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0094600</b>	---	---
Sample Date		Client Info		<b>04 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>2165</b>	---	---
Oil Age	hrs	Client Info		<b>607</b>	---	---
Filter Age	hrs	Client Info		<b>607</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>80	<b>6</b>	---	---
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>30	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m)	>150	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

**CONTAMINATION**

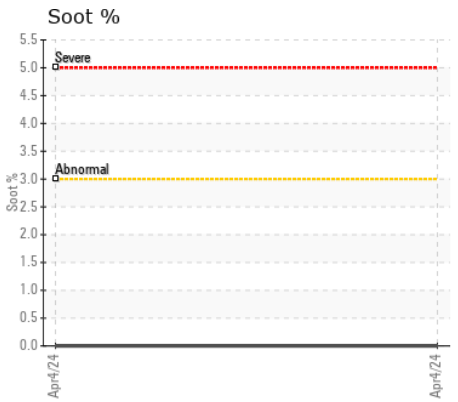
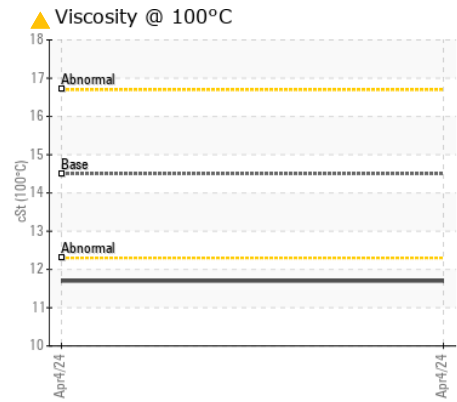
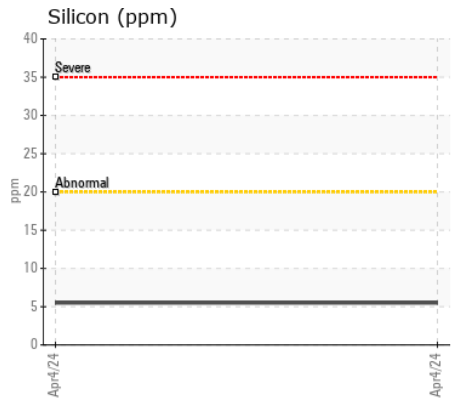
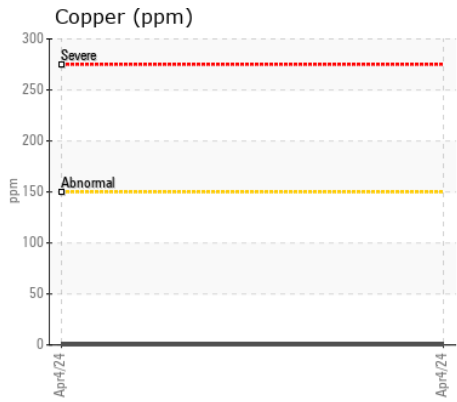
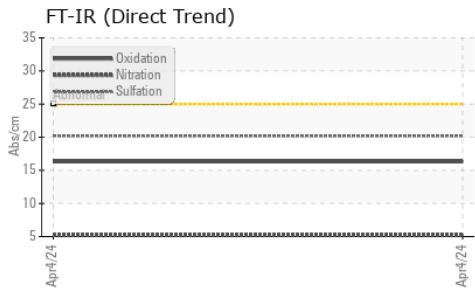
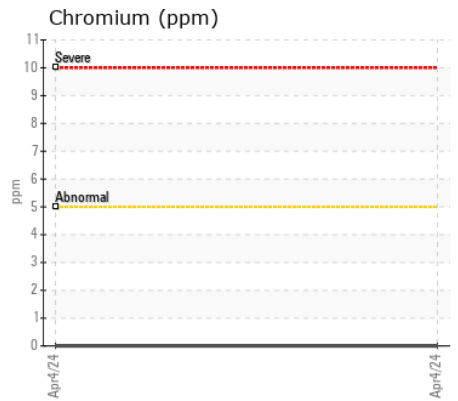
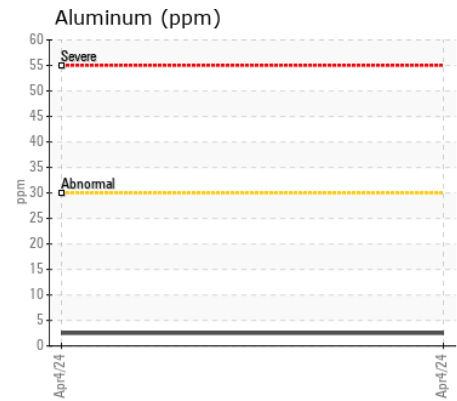
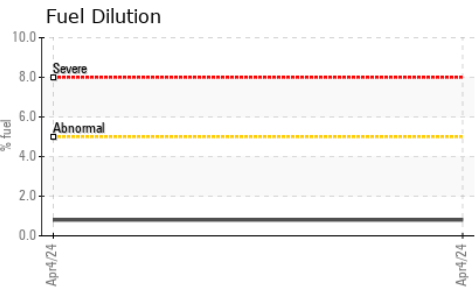
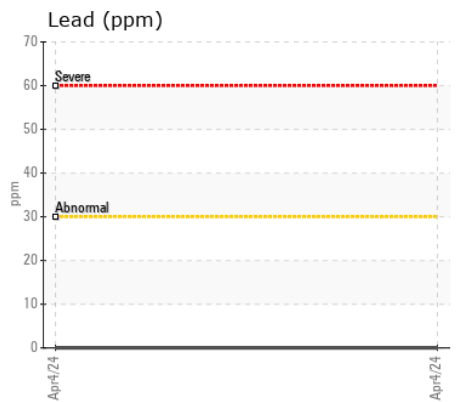
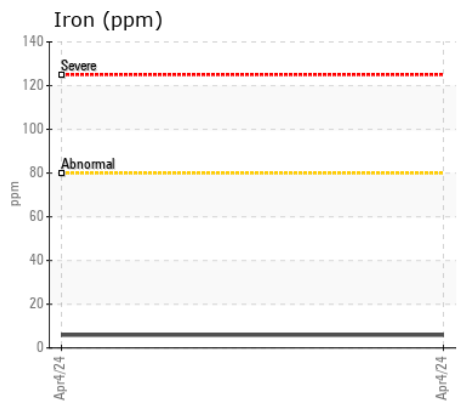
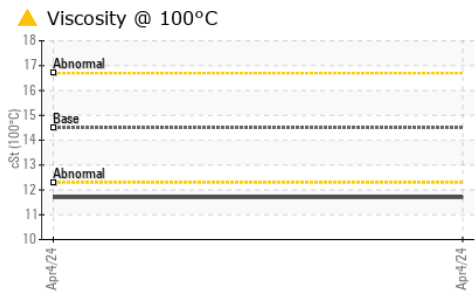
La teneur en carburant est négligeable. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	<b>6</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	---	---
Fuel	%	ASTM D7593*	>5	<b>0.8</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*	>3	<b>0</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.2</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.2</b>	---	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>VLITE</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*	>0.2	<b>NEG</b>	---	---

**FLUID CONDITION**

La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)	>57	<b>2</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>42</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>45</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>671</b>	---	---
Calcium	ppm	ASTM D5185(m)		<b>1364</b>	---	---
Phosphorus	ppm	ASTM D5185(m)		<b>862</b>	---	---
Zinc	ppm	ASTM D5185(m)		<b>1000</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>2366</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.3</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.5	<b>▲ 11.7</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0094600 **Received** : 17 Apr 2024  
**Lab Number** : 02629530 **Tested** : 19 Apr 2024  
**Unique Number** : 5762662 **Diagnosed** : 19 Apr 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: FuelDilution, PercentFuel, Visual )

**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.