



Machine Id  
**414006**  
Component  
**Front Differential**  
Fluid  
**GEAR OIL SAE 75W90 (--- LTR)**

**RECOMMENDATION**

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) GEAR OIL SAE 75W90. Veuillez confirmer.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0079088</b>	---	---
Sample Date		Client Info		<b>19 Feb 2024</b>	---	---
Machine Age	kms	Client Info		<b>20458</b>	---	---
Oil Age	kms	Client Info		<b>0</b>	---	---
Filter Age	kms	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>1200	<b>108</b>	---	---
Chromium	ppm	ASTM D5185(m)	>8	<b>2</b>	---	---
Nickel	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	>4	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m)	>25	<b>1</b>	---	---
Copper	ppm	ASTM D5185(m)	>50	<b>39</b>	---	---
Tin	ppm	ASTM D5185(m)	>5	<b>&lt;1</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**

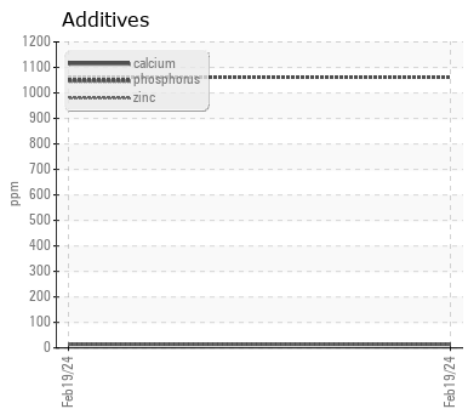
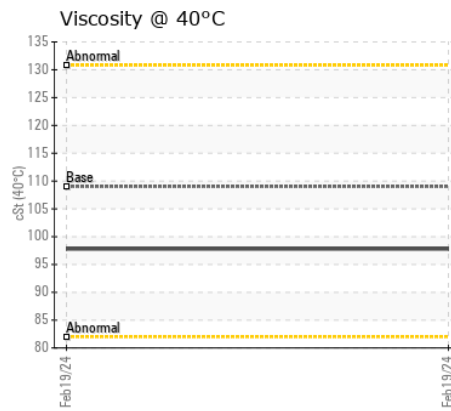
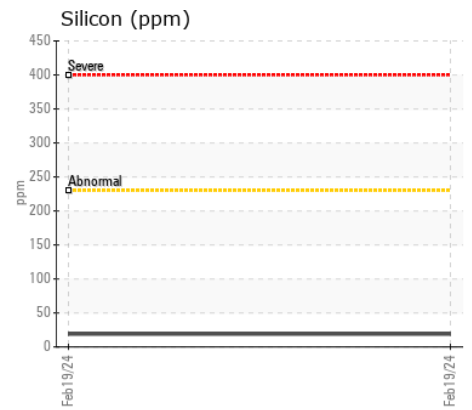
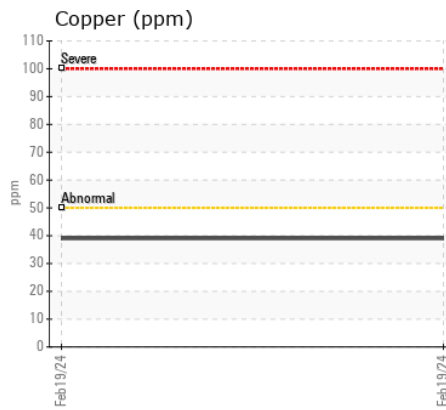
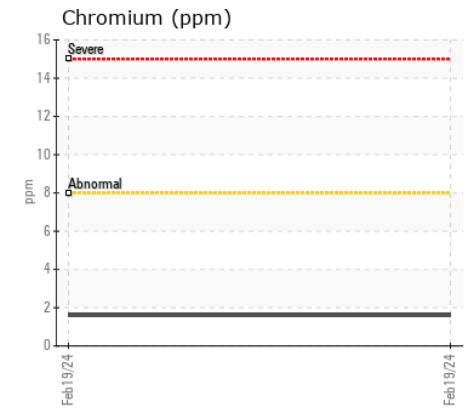
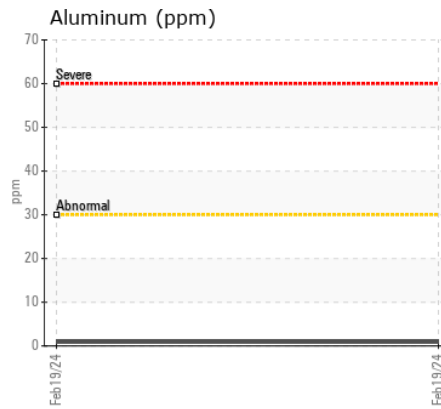
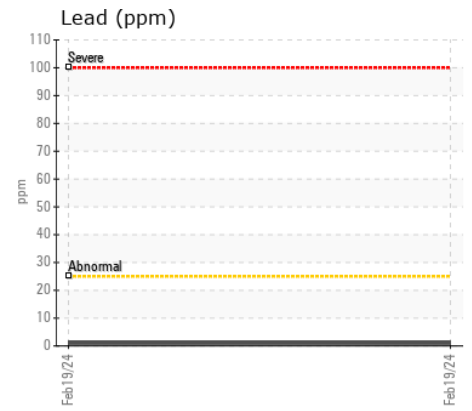
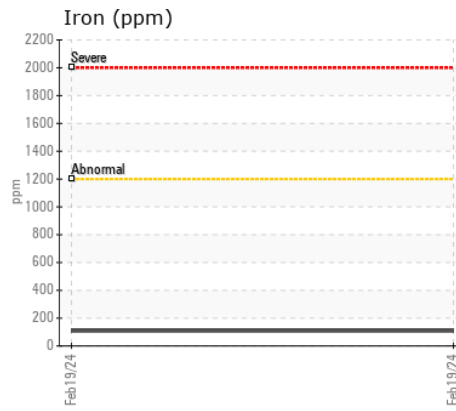
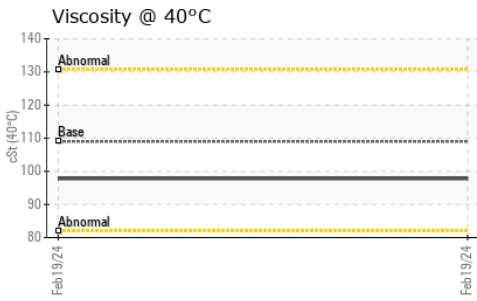
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>230	<b>19</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>5</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>VLITE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	Visual*	>.2	<b>NEG</b>	---	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>6</b>	---	---
Boron	ppm	ASTM D5185(m)	400	<b>143</b>	---	---
Barium	ppm	ASTM D5185(m)	200	<b>1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	12	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>21</b>	---	---
Magnesium	ppm	ASTM D5185(m)	12	<b>1</b>	---	---
Calcium	ppm	ASTM D5185(m)	150	<b>14</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1650	<b>1062</b>	---	---
Zinc	ppm	ASTM D5185(m)	125	<b>14</b>	---	---
Sulfur	ppm	ASTM D5185(m)	22500	<b>22585</b>	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	109	<b>97.8</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0079088 **Received** : 21 Feb 2024  
**Lab Number** : 02617198 **Tested** : 21 Feb 2024  
**Unique Number** : 5734308 **Diagnosed** : 21 Feb 2024 - Wes Davis  
**Test Package** : MOB 1

**Matrec - 791 - Rimouski**  
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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.