



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



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



## DIAGNOSIS

### 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.

### Wear

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

### Contamination

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

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0079086</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>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >1200	<b>45</b>	---	---
Chromium	ppm	ASTM D5185(m) >8	<b>&lt;1</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>0</b>	---	---
Copper	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	---	---
Tin	ppm	ASTM D5185(m) >5	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m) >5	<b>3</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

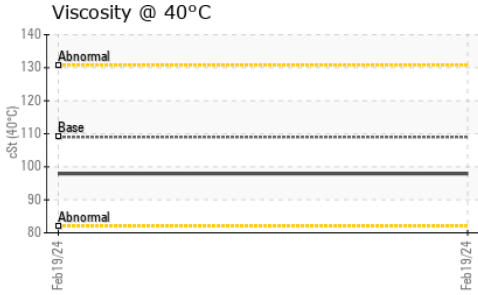
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 400	<b>152</b>	---	---
Barium	ppm	ASTM D5185(m) 200	<b>1</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 12	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>8</b>	---	---
Magnesium	ppm	ASTM D5185(m) 12	<b>2</b>	---	---
Calcium	ppm	ASTM D5185(m) 150	<b>15</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 1650	<b>1089</b>	---	---
Zinc	ppm	ASTM D5185(m) 125	<b>12</b>	---	---
Sulfur	ppm	ASTM D5185(m) 22500	<b>22955</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >230	<b>20</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>5</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	---	---



# OIL ANALYSIS REPORT



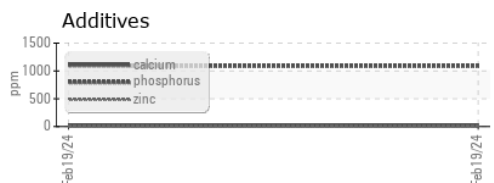
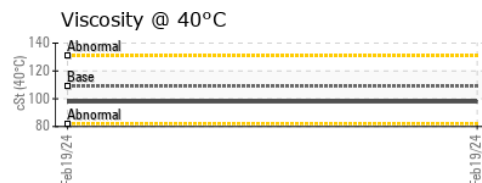
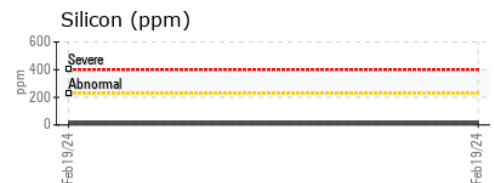
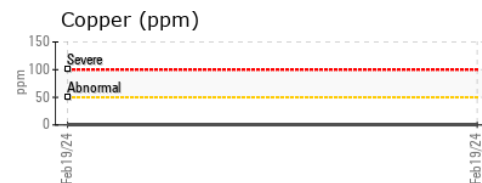
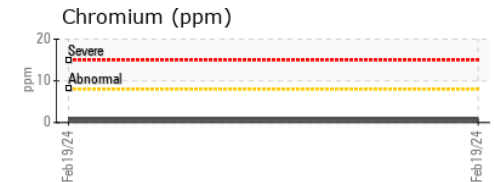
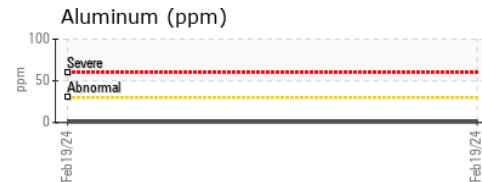
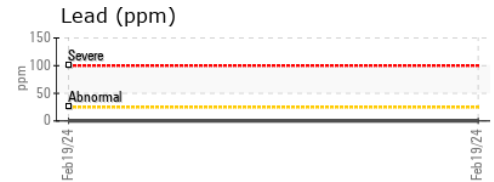
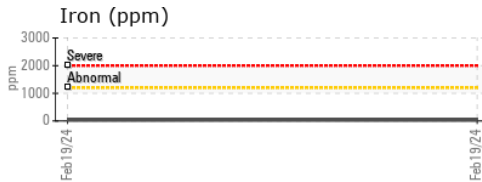
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	109	97.9	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0079086 **Received** : 21 Feb 2024  
**Lab Number** : 02617199 **Tested** : 21 Feb 2024  
**Unique Number** : 5734309 **Diagnosed** : 21 Feb 2024 - Wes Davis  
**Test Package** : MOB 1

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.

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