



# OIL ANALYSIS REPORT

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



Machine Id  
**926051**  
Component  
**Rear Differential**  
Fluid  
**GEAR OIL SAE 80W90 (--- 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>WC</b>	GFL	GFL0077127
Sample Date		Client Info		<b>19 Feb 2024</b>	29 Aug 2023	15 Mar 2023
Machine Age	kms	Client Info		<b>413676</b>	404880	391120
Oil Age	kms	Client Info		<b>0</b>	0	0
Filter Age	kms	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

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

Iron	ppm	ASTM D5185(m)	>1200	<b>778</b>	680	535
Chromium	ppm	ASTM D5185(m)	>8	<b>4</b>	3	3
Nickel	ppm	ASTM D5185(m)	>20	<b>10</b>	10	9
Titanium	ppm	ASTM D5185(m)	>4	<b>2</b>	2	2
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>30	<b>34</b>	33	29
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)	>50	<b>4</b>	4	3
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

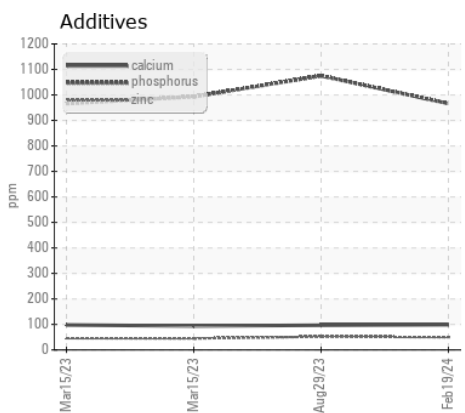
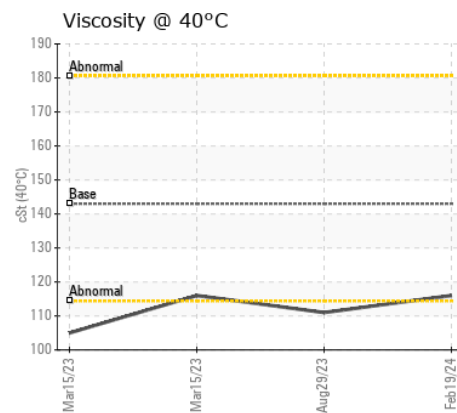
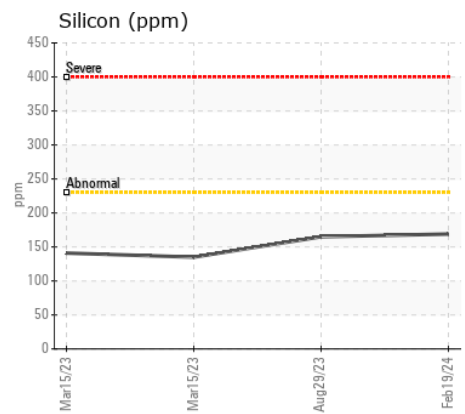
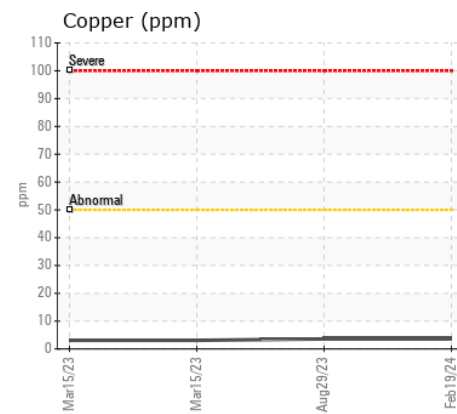
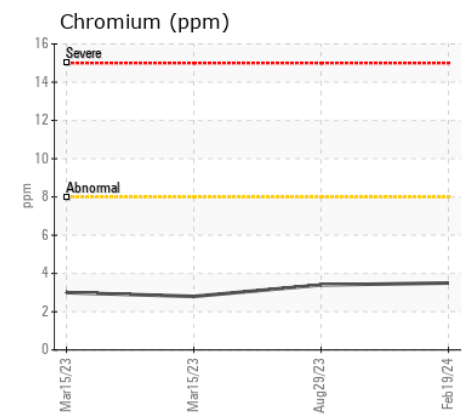
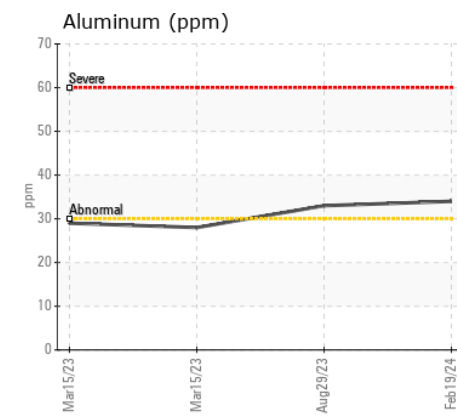
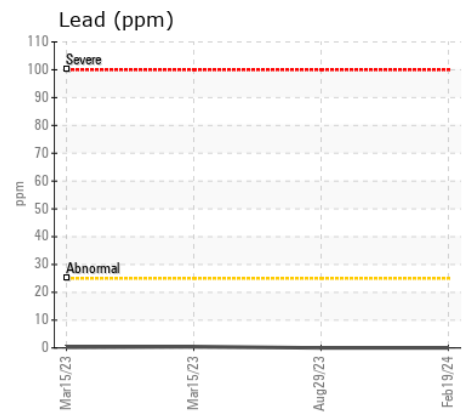
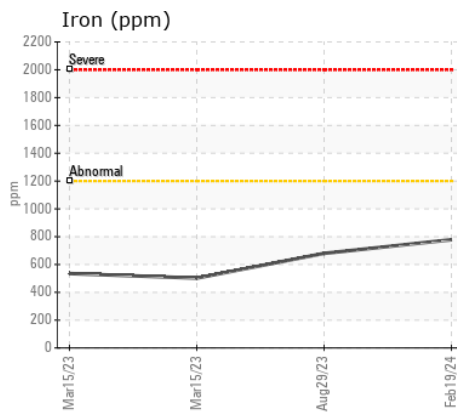
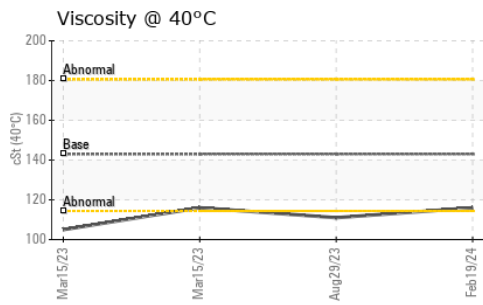
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>230	<b>169</b>	165	141
Potassium	ppm	ASTM D5185(m)	>20	<b>10</b>	11	9
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	VLITE
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>170	<b>41</b>	39	35
Boron	ppm	ASTM D5185(m)	400	<b>171</b>	172	162
Barium	ppm	ASTM D5185(m)	200	<b>8</b>	8	5
Molybdenum	ppm	ASTM D5185(m)	12	<b>&lt;1</b>	2	2
Manganese	ppm	ASTM D5185(m)		<b>7</b>	8	7
Magnesium	ppm	ASTM D5185(m)	12	<b>30</b>	29	27
Calcium	ppm	ASTM D5185(m)	150	<b>99</b>	97	94
Phosphorus	ppm	ASTM D5185(m)	1650	<b>966</b>	1075	993
Zinc	ppm	ASTM D5185(m)	125	<b>50</b>	52	45
Sulfur	ppm	ASTM D5185(m)	22500	<b>21589</b>	22343	20800
Visc @ 40°C	cSt	ASTM D7279(m)	143	<b>116</b>	111	116



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC  
**Lab Number** : 02625373  
**Unique Number** : 5750492  
**Test Package** : MOB 1  
**Received** : 28 Mar 2024  
**Tested** : 28 Mar 2024  
**Diagnosed** : 28 Mar 2024 - Kevin Marson

**GFL Environmental - 730 - Chicoutimi - Hauling**  
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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.