



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

Machine Id

**4647**

Component

**2 Differential**

Fluid

**GEAR OIL SAE 75W90 (--- 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>GFL0110431</b>	GFL0089678	GFL0078324
Sample Date		Client Info		<b>12 Jan 2024</b>	19 Sep 2023	28 Mar 2023
Machine Age	hrs	Client Info		<b>17436</b>	16848	15832
Oil Age	hrs	Client Info		<b>16848</b>	16848	15832
Filter Age	hrs	Client Info		<b>16848</b>	16848	15832
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>500	<b>76</b>	75	91
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>3</b>	2	2
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

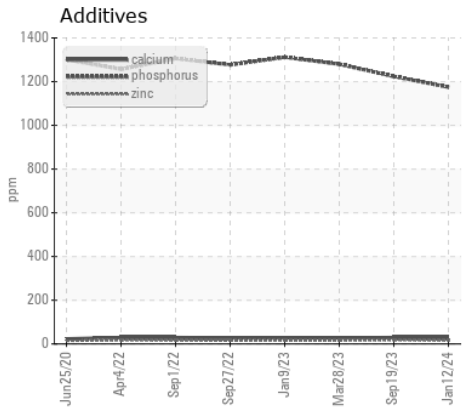
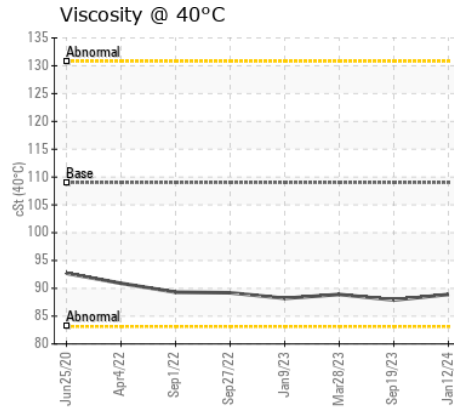
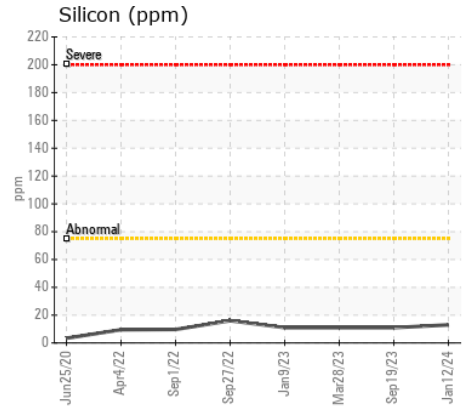
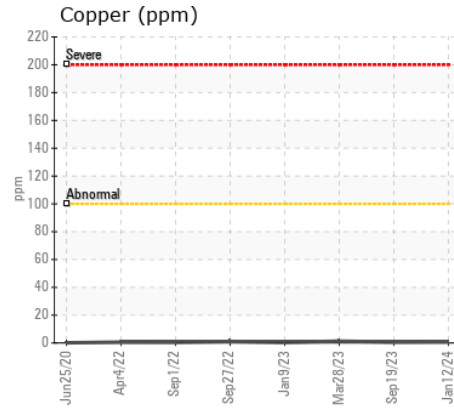
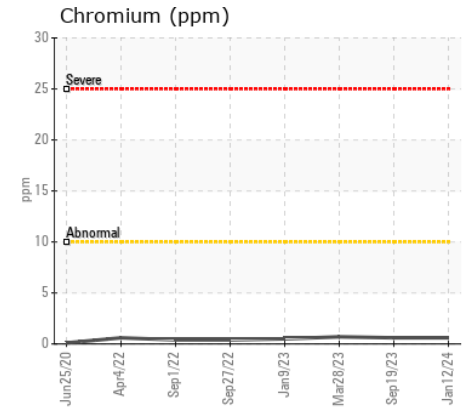
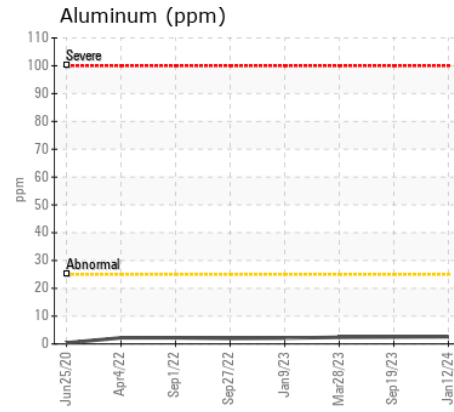
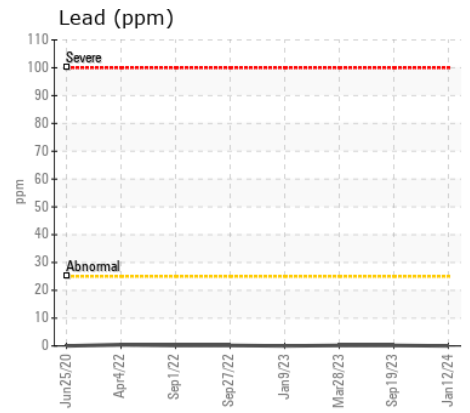
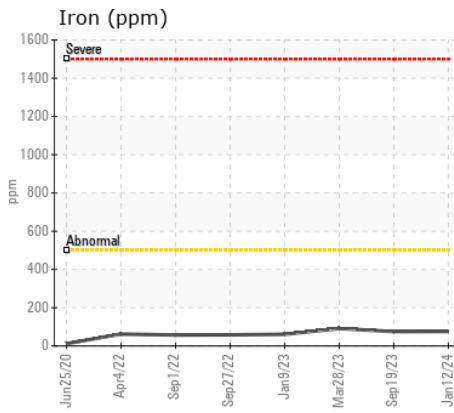
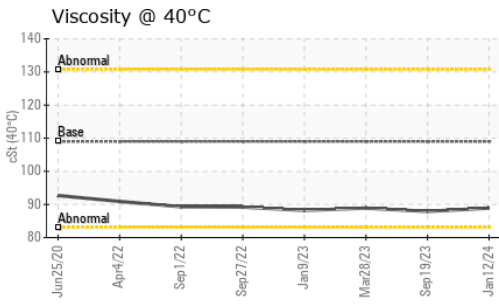
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>75	<b>13</b>	11	11
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	1	1
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	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)		<b>25</b>	27	25
Boron	ppm	ASTM D5185(m)	400	<b>264</b>	287	285
Barium	ppm	ASTM D5185(m)	200	<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	12	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)		<b>2</b>	2	3
Magnesium	ppm	ASTM D5185(m)	12	<b>6</b>	6	6
Calcium	ppm	ASTM D5185(m)	150	<b>29</b>	29	28
Phosphorus	ppm	ASTM D5185(m)	1650	<b>1175</b>	1224	1280
Zinc	ppm	ASTM D5185(m)	125	<b>16</b>	18	16
Sulfur	ppm	ASTM D5185(m)	22500	<b>18886</b>	20119	19749
Visc @ 40°C	cSt	ASTM D7279(m)	109	<b>88.9</b>	87.9	88.9



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 732 - Beauce - Hauling - Solid Waste  
**Sample No.** : GFL0110431 **Received** : 18 Jan 2024  
**Lab Number** : 02609742 **Diagnosed** : 18 Jan 2024  
**Unique Number** : 5710828 **Diagnostician** : 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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