



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



Machine Id  
**811020**  
Component  
**1 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>GFL0096666</b>	GFL	GFL0080346
Sample Date		Client Info		<b>27 Mar 2024</b>	29 Sep 2023	29 Sep 2023
Machine Age	kms	Client Info		<b>110173</b>	96329	96329
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 Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
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>145</b>	138	106
Chromium	ppm	ASTM D5185(m)	>8	<b>2</b>	1	1
Nickel	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>30	<b>3</b>	3	2
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)	>50	<b>28</b>	1	27
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

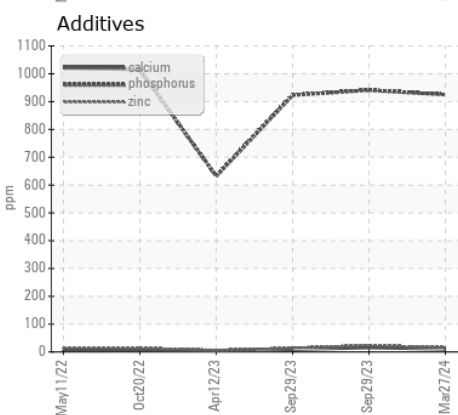
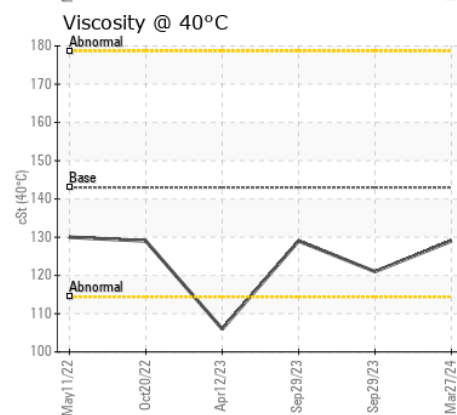
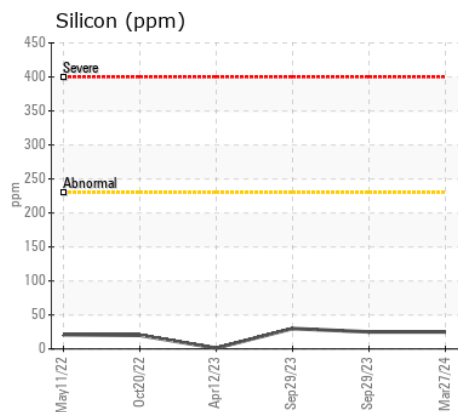
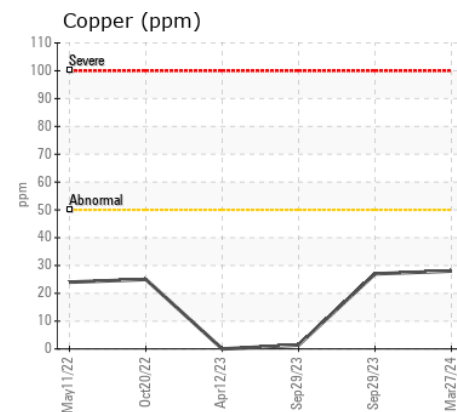
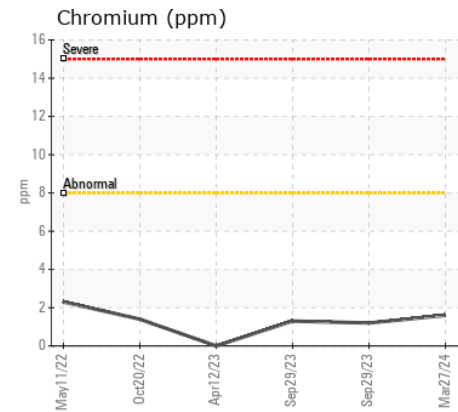
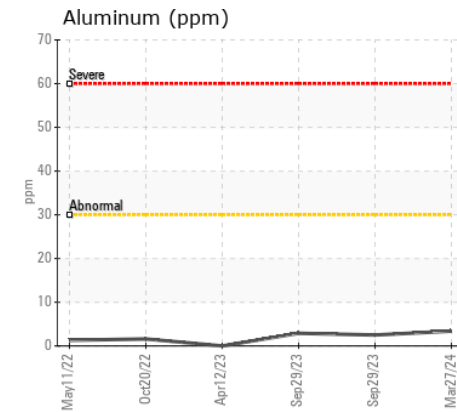
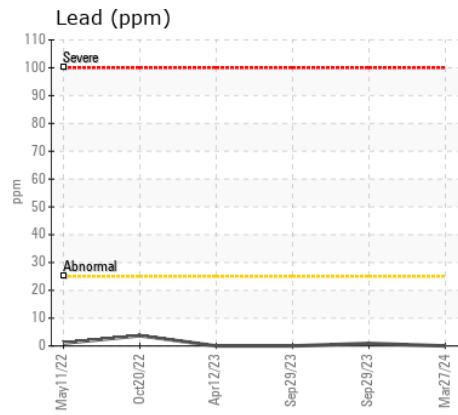
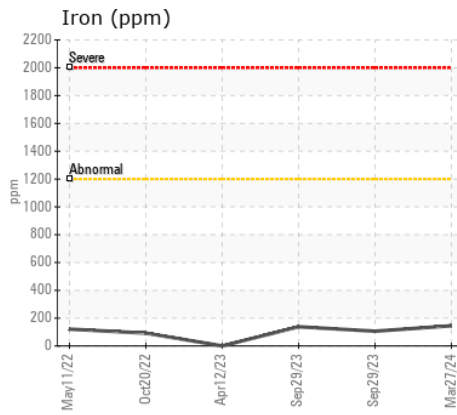
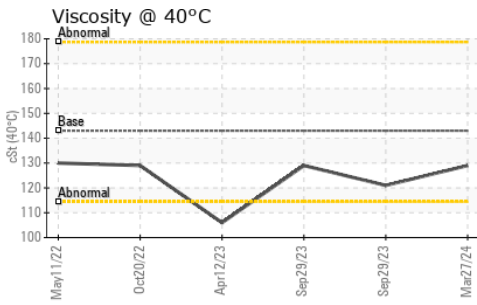
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>230	<b>25</b>	30	25
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	2	3
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>VLITE</b>	VLITE	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>VLITE</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>7</b>	9	7
Boron	ppm	ASTM D5185(m)	400	<b>126</b>	143	125
Barium	ppm	ASTM D5185(m)	200	<b>3</b>	1	3
Molybdenum	ppm	ASTM D5185(m)	12	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>15</b>	13	12
Magnesium	ppm	ASTM D5185(m)	12	<b>2</b>	2	2
Calcium	ppm	ASTM D5185(m)	150	<b>11</b>	16	10
Phosphorus	ppm	ASTM D5185(m)	1650	<b>925</b>	941	923
Zinc	ppm	ASTM D5185(m)	125	<b>16</b>	24	14
Sulfur	ppm	ASTM D5185(m)	22500	<b>16695</b>	16808	16797
Visc @ 40°C	cSt	ASTM D7279(m)	143	<b>129</b>	121	129



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0096666  
**Lab Number** : 02628576  
**Unique Number** : 5761708  
**Test Package** : MOB 1

**GFL Environmental - 730 - Chicoutimi - Hauling**  
 3199 Boul. Talbot  
 Chicoutimi, QC  
 CA G7H 5B1  
 Contact: Yan Houde  
 yhoude@matrec.ca  
 T: (418)549-8074  
 F: (418)549-7973

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.