



Machine Id  
**913158**  
Component  
**Diesel Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 10W30 (--- 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>GFL0103775</b>	GFL0103740	GFL0088845
Sample Date		Client Info		<b>05 Feb 2024</b>	08 Jan 2024	16 Aug 2023
Machine Age	hrs	Client Info		<b>24114</b>	2170	25771
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

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

Iron	ppm	ASTM D5185(m)	>120	<b>9</b>	28	17
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>1</b>	4	2
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	2
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	2	1
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	2	7
Copper	ppm	ASTM D5185(m)	>330	<b>6</b>	38	262
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	2	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

### CONTAMINATION

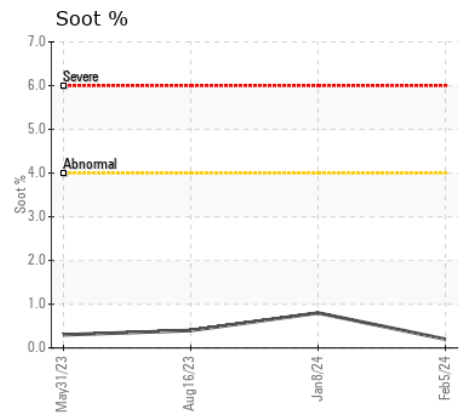
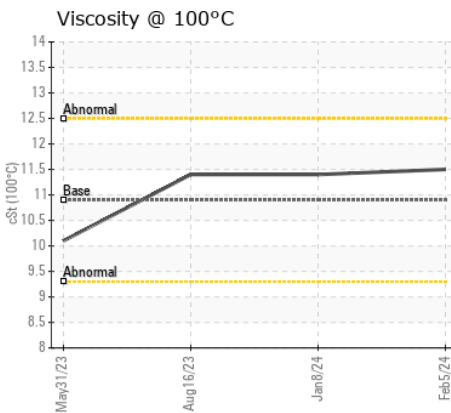
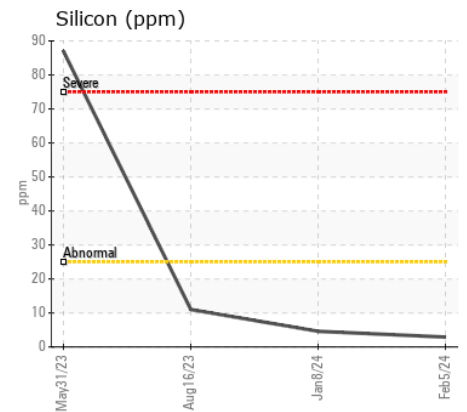
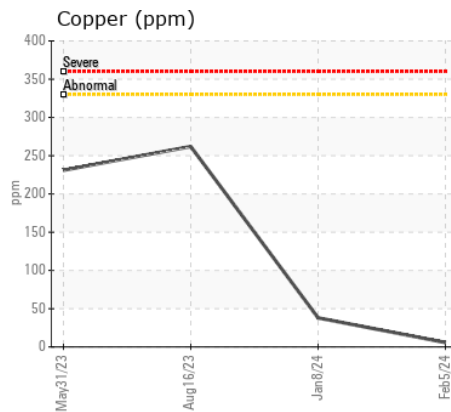
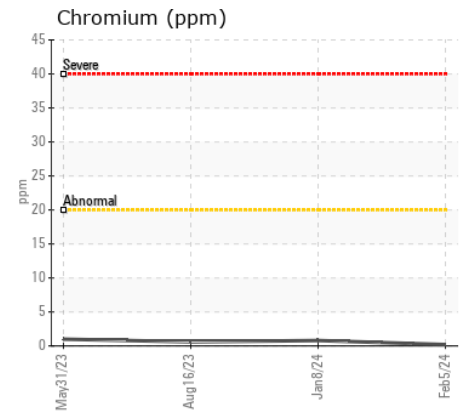
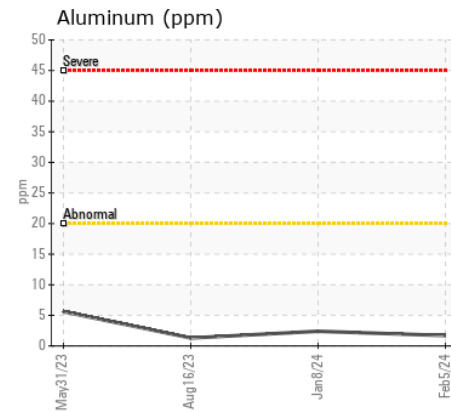
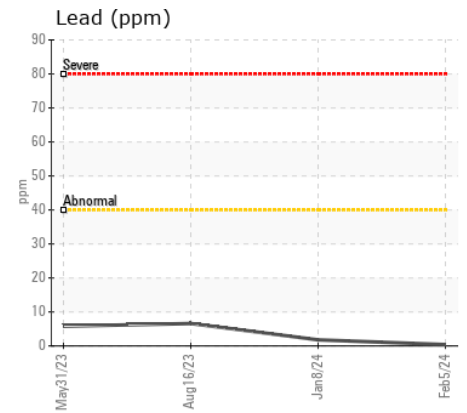
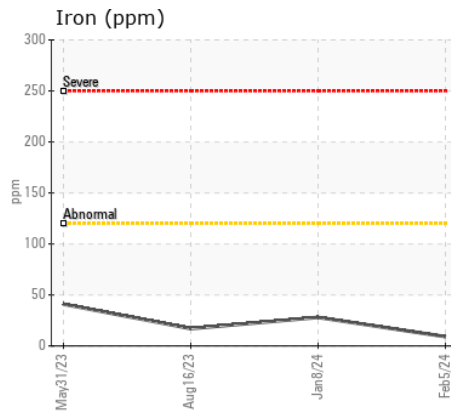
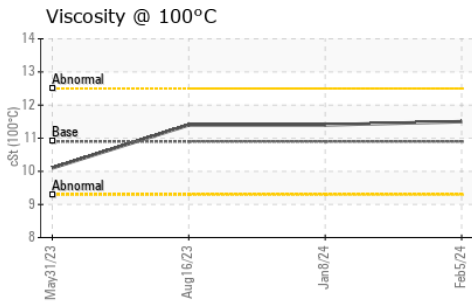
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	5	11
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	9	1
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>4	<b>0.2</b>	0.8	0.4
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.6</b>	10.1	7.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.0</b>	22.4	20.7
Emulsified Water	scalar	Visual*	>0.2	<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>6</b>	9	8
Boron	ppm	ASTM D5185(m)	250	<b>2</b>	2	9
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	100	<b>58</b>	58	63
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	<b>962</b>	906	969
Calcium	ppm	ASTM D5185(m)	3000	<b>1052</b>	1131	1097
Phosphorus	ppm	ASTM D5185(m)	1150	<b>997</b>	875	992
Zinc	ppm	ASTM D5185(m)	1350	<b>1147</b>	1149	1157
Sulfur	ppm	ASTM D5185(m)	4250	<b>2627</b>	1982	2217
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>14.2</b>	17.3	14.8
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	<b>11.5</b>	11.4	11.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0103775  
**Lab Number** : 02615869  
**Unique Number** : 5732979  
**Test Package** : MOB 1

**GFL Environmental - 780 - GMA - ICI - Solid Waste**  
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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.