



Machine Id  
**928109**  
Component  
**Diesel Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 30 (--- 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>GFL0096654</b>	GFL0096636	GFL0080322
Sample Date		Client Info		<b>22 Jan 2024</b>	25 Oct 2023	08 Aug 2023
Machine Age	kms	Client Info		<b>284768</b>	270764	256580
Oil Age	kms	Client Info		<b>600</b>	600	600
Filter Age	kms	Client Info		<b>600</b>	600	600
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</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>13</b>	16	16
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>8</b>	5	5
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	1	<1
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	1	2
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

### CONTAMINATION

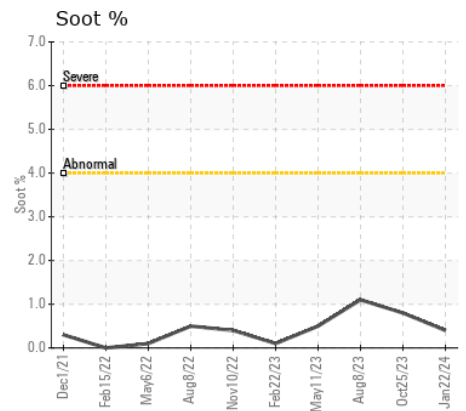
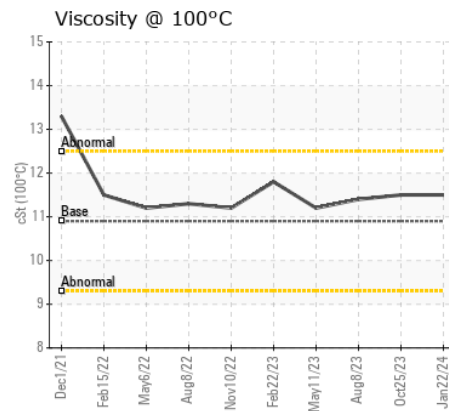
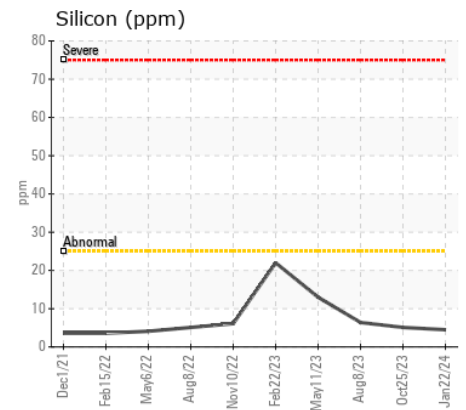
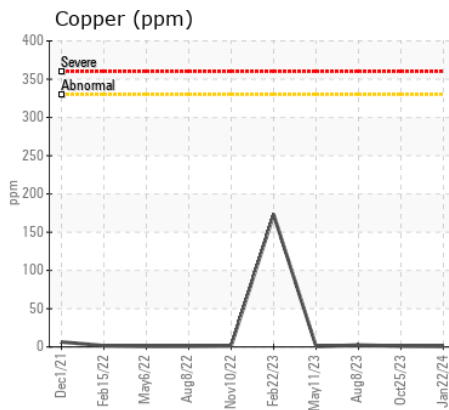
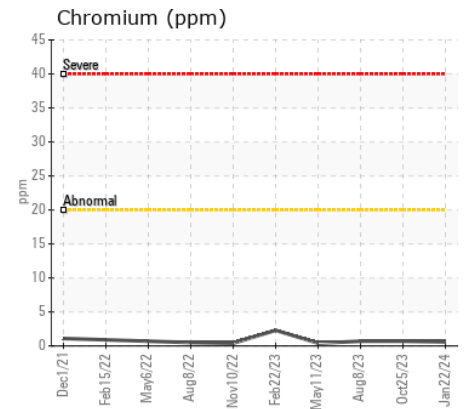
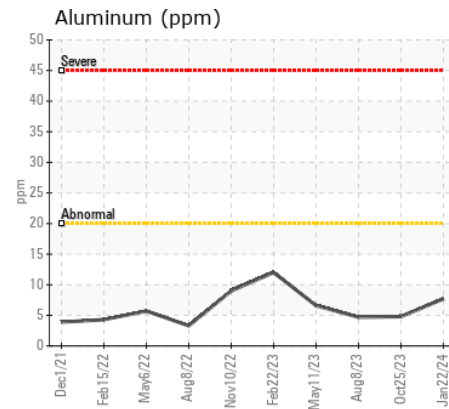
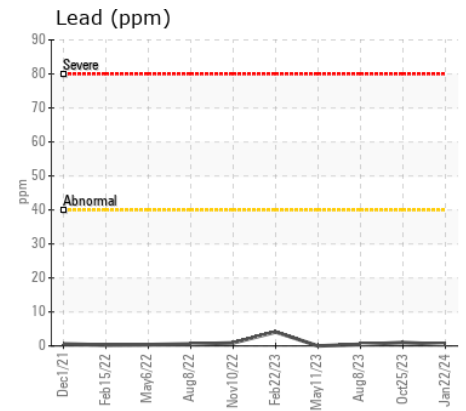
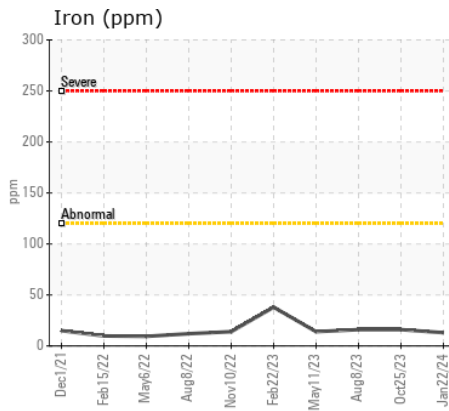
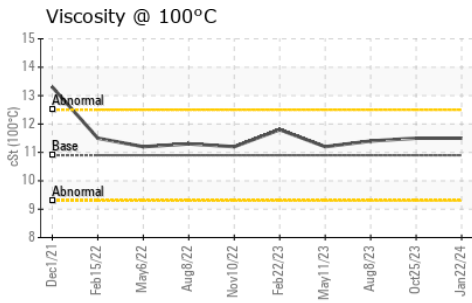
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>4</b>	5	6
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	1	<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>0.4</b>	0.8	1.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.4</b>	8.7	9.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.7</b>	20.8	20.6
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)	>75	<b>7</b>	4	4
Boron	ppm	ASTM D5185(m)	250	<b>4</b>	5	5
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	100	<b>47</b>	61	60
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	450	<b>750</b>	952	959
Calcium	ppm	ASTM D5185(m)	3000	<b>1286</b>	1054	1037
Phosphorus	ppm	ASTM D5185(m)	1150	<b>935</b>	949	1046
Zinc	ppm	ASTM D5185(m)	1350	<b>1114</b>	1151	1185
Sulfur	ppm	ASTM D5185(m)	4250	<b>2532</b>	2377	2502
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>14.7</b>	15.4	14.9
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	<b>11.5</b>	11.5	11.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0096654  
**Lab Number** : 02616866  
**Unique Number** : 5733976  
**Test Package** : MOB 1  
**Received** : 21 Feb 2024  
**Tested** : 21 Feb 2024  
**Diagnosed** : 21 Feb 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.