

Machine Id  
**713067**  
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>GFL0119782</b>	GFL0084393	GFL0084454
Sample Date		Client Info		<b>24 May 2024</b>	02 Nov 2023	22 Aug 2023
Machine Age	kms	Client Info		<b>0</b>	20275	1640
Oil Age	kms	Client Info		<b>0</b>	0	600
Filter Age	kms	Client Info		<b>0</b>	0	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)	>100	<b>28</b>	12	21
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>3</b>	2	2
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	2	6
Copper	ppm	ASTM D5185(m)	>330	<b>25</b>	98	247
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

### CONTAMINATION

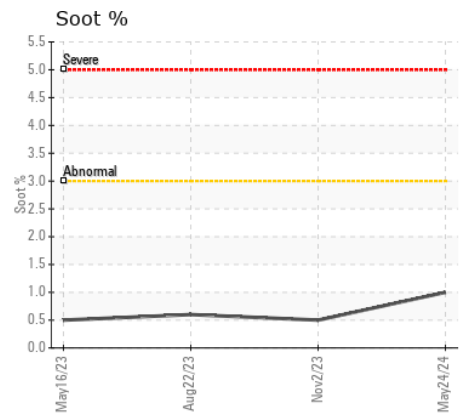
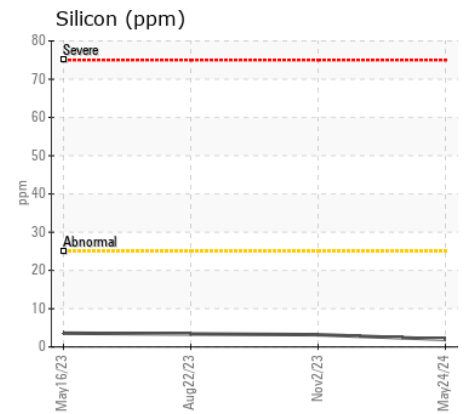
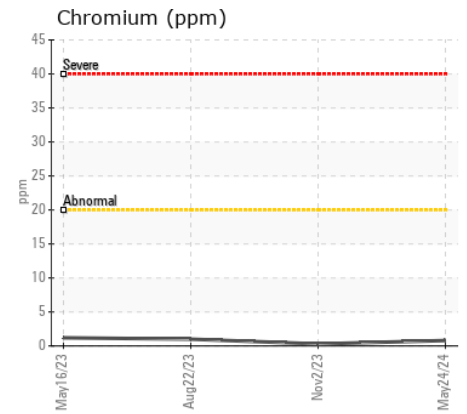
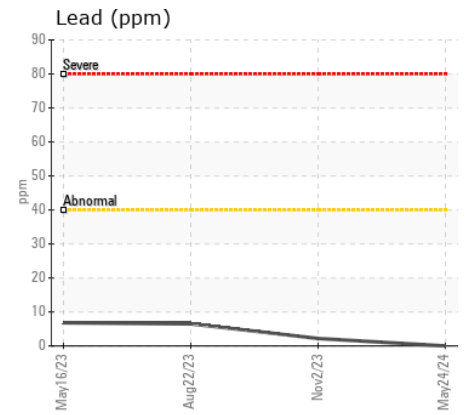
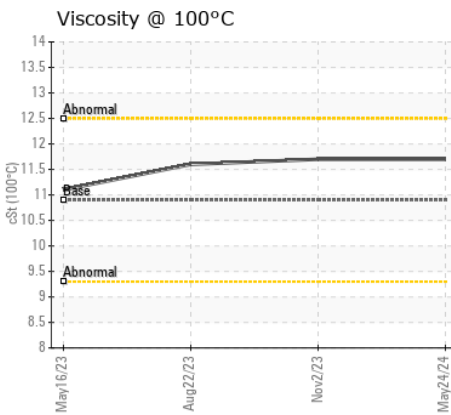
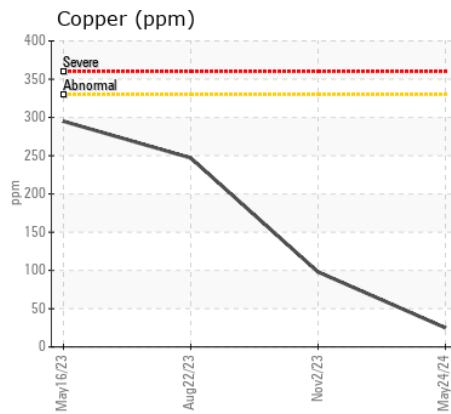
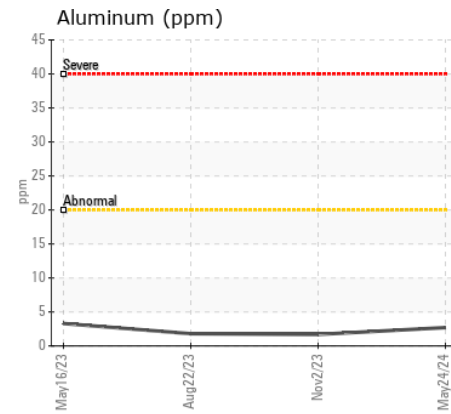
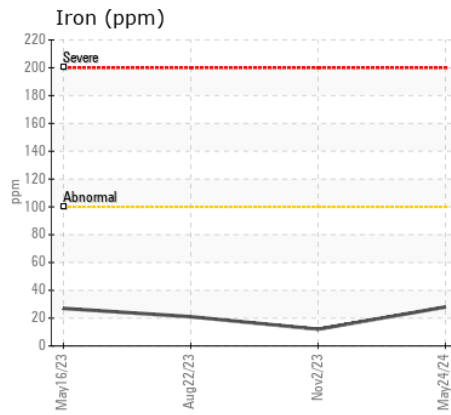
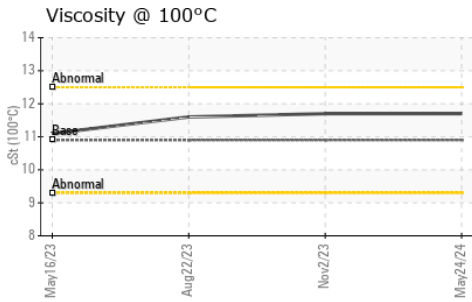
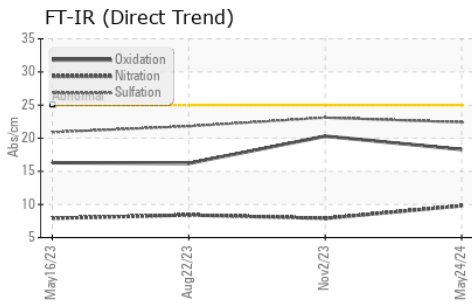
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>8</b>	1	3
Fuel		WC Method	>5	<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*	>3	<b>1</b>	0.5	0.6
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.8</b>	7.9	8.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.4</b>	23.1	21.8
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>2</b>	3	2
Boron	ppm	ASTM D5185(m)	250	<b>5</b>	29	3
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	100	<b>59</b>	46	61
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	450	<b>914</b>	554	990
Calcium	ppm	ASTM D5185(m)	3000	<b>1212</b>	1557	1093
Phosphorus	ppm	ASTM D5185(m)	1150	<b>892</b>	748	1003
Zinc	ppm	ASTM D5185(m)	1350	<b>1170</b>	908	1189
Sulfur	ppm	ASTM D5185(m)	4250	<b>1868</b>	1882	1943
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.3</b>	20.3	16.2
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	<b>11.7</b>	11.7	11.6



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0119782  
**Lab Number** : 02637844  
**Unique Number** : 5787006  
**Test Package** : MOB 1  
**Received** : 28 May 2024  
**Tested** : 28 May 2024  
**Diagnosed** : 28 May 2024 - Wes Davis

**GFL Environmental - 780 - GMA - ICI - Solid Waste**  
 4365 boul. St-Elzear Ouest,  
 Laval, QC  
 CA H7P 4J3  
 Contact: Pieces Laval  
 pieces.laval@gflenv.com  
 T: (450)687-3838  
 F:

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.