



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



Machine Id  
**801203**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA 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>GFL0110454</b>	GFL0089679	GFL0068244
Sample Date		Client Info		<b>21 Feb 2024</b>	26 Sep 2023	14 Mar 2023
Machine Age	hrs	Client Info		<b>9271</b>	8644	8035
Oil Age	hrs	Client Info		<b>600</b>	600	600
Filter Age	hrs	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>	ABNORMAL	ABNORMAL

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>80	<b>58</b>	▲ 84	56
Chromium	ppm	ASTM D5185(m)	>5	<b>3</b>	4	3
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>30	<b>18</b>	▲ 43	21
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>150	<b>10</b>	11	5
Tin	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	1	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

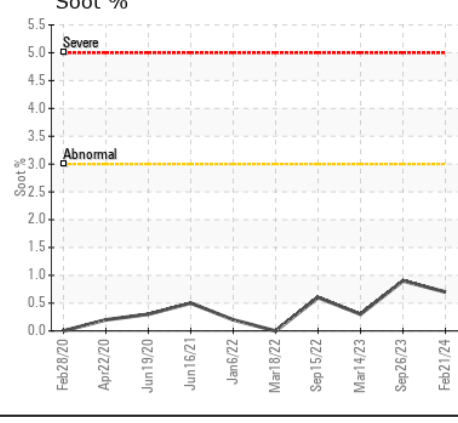
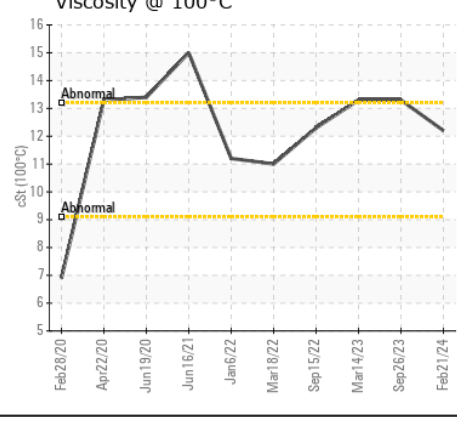
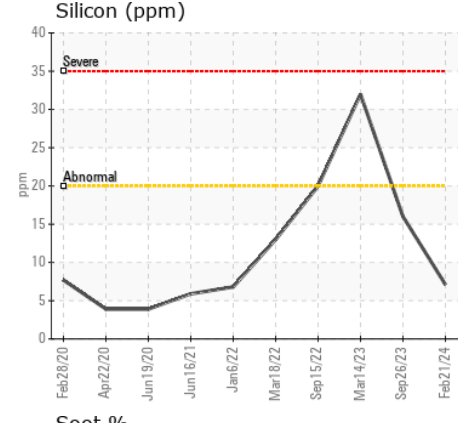
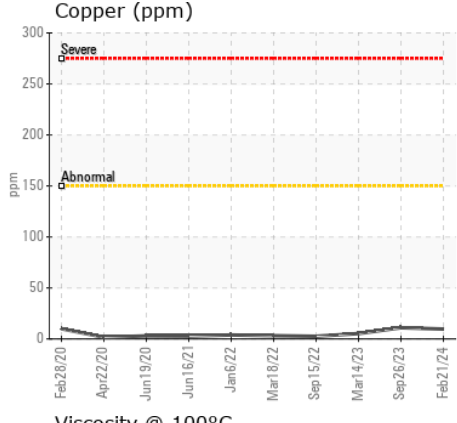
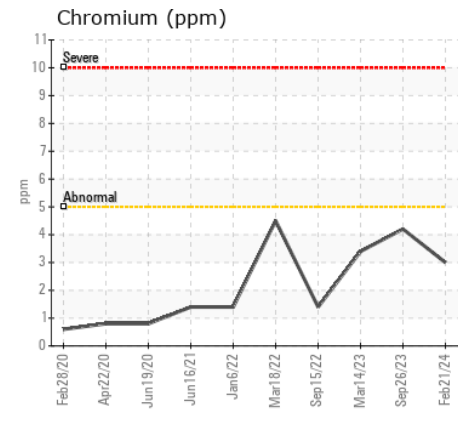
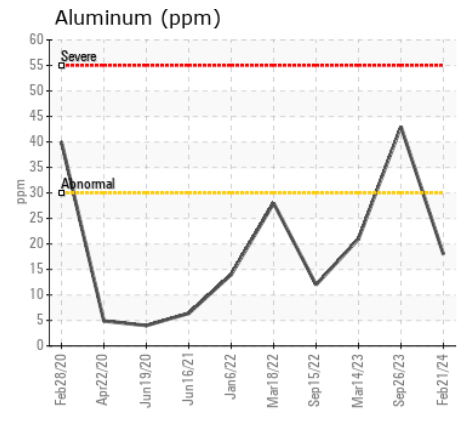
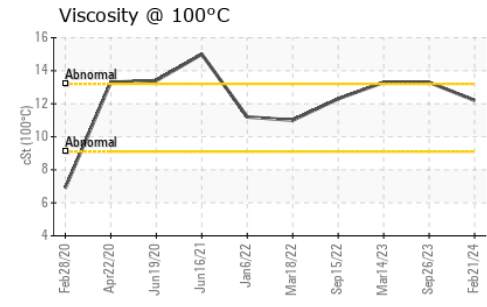
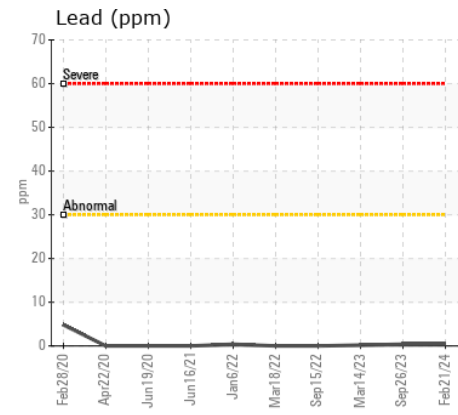
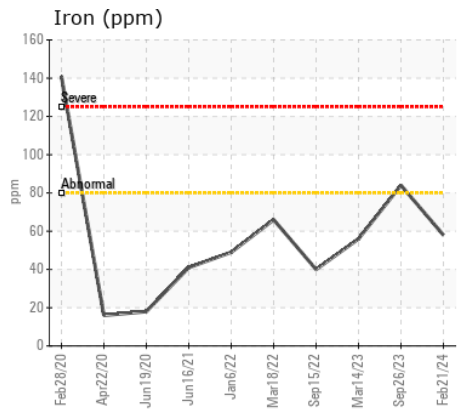
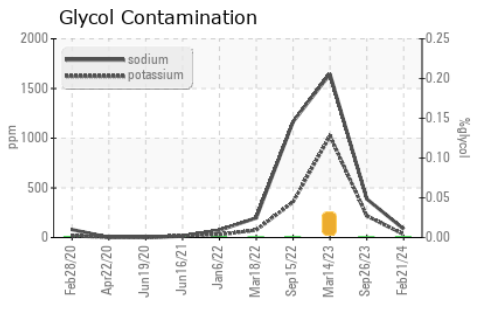
Le test de glycol est négatif. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	<b>7</b>	16	▲ 32
Potassium	ppm	ASTM D5185(m)	>20	<b>33</b>	▲ 219	▲ 1022
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol	%	ASTM D7922*		<b>0.0</b>	0.0	▲ 0.032
Soot %	%	ASTM D7844*	>3	<b>0.7</b>	0.9	0.3
Nitration	Abs/cm	ASTM D7624*	>20	<b>12.5</b>	11.7	13.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>24.6</b>	26.1	27.0
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>86</b>	● 388	● 1645
Boron	ppm	ASTM D5185(m)		<b>7</b>	31	37
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)		<b>65</b>	72	141
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>914</b>	385	375
Calcium	ppm	ASTM D5185(m)		<b>1243</b>	1941	1821
Phosphorus	ppm	ASTM D5185(m)		<b>1005</b>	1051	1118
Zinc	ppm	ASTM D5185(m)		<b>1213</b>	1290	1206
Sulfur	ppm	ASTM D5185(m)		<b>2505</b>	2751	2951
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>21.4</b>	20.7	17.0
Visc @ 100°C	cSt	ASTM D7279(m)		<b>12.2</b>	13.3	13.3



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0110454  
**Lab Number** : 02618915  
**Unique Number** : 5736025  
**Test Package** : MOB 1 ( Additional Tests: Glycol )  
**Received** : 29 Feb 2024  
**Tested** : 29 Feb 2024  
**Diagnosed** : 29 Feb 2024 - Wes Davis

**GFL Environmental - 732 - Beauce - Hauling - Solid Waste**  
 139, 181 Street,  
 Beauceville, QC  
 CA G5X 2S9  
 Contact: Sandrine Duval  
 sduval@matrec.ca  
 T: (418)774-5275  
 F: (418)774-5292

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.