

Machine Id  
**701115**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA 10W30 (18 LTR)**

### 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>GFL0103700</b>	GFL0028078	GFL0028033
Sample Date		Client Info		<b>05 Feb 2024</b>	09 Jan 2023	24 Feb 2022
Machine Age	hrs	Client Info		<b>14715</b>	2016	2016
Oil Age	hrs	Client Info		<b>0</b>	100	77
Filter Age	hrs	Client Info		<b>0</b>	100	77
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	ATTENTION

### WEAR

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

Iron	ppm	ASTM D5185(m)	>100	<b>18</b>	28	8
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>3</b>	3	2
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	2	<1
Copper	ppm	ASTM D5185(m)	>330	<b>2</b>	70	10
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	---	---

### CONTAMINATION

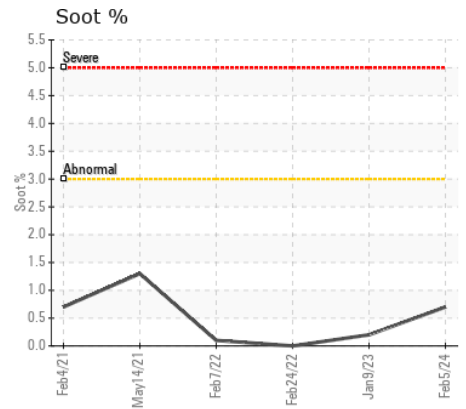
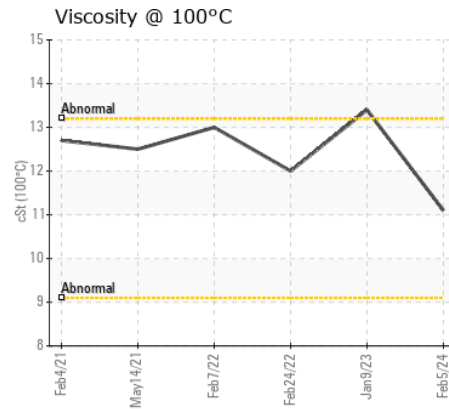
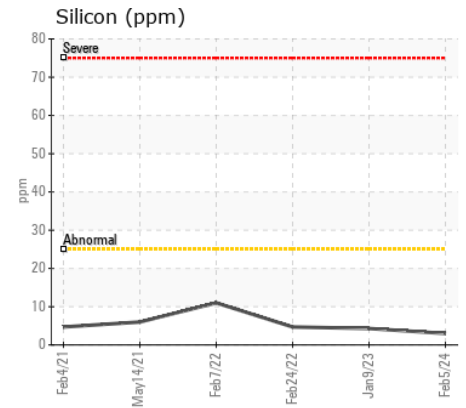
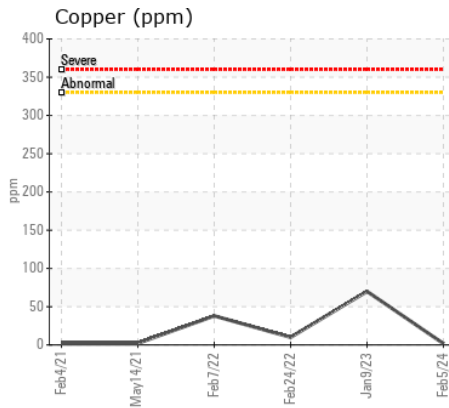
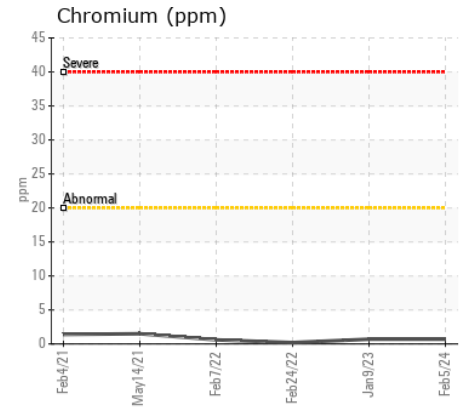
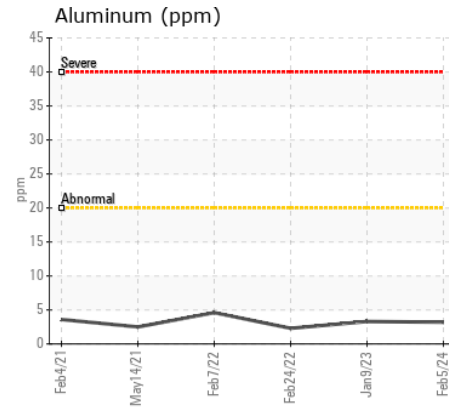
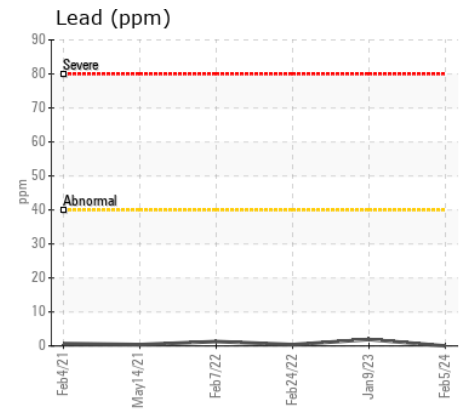
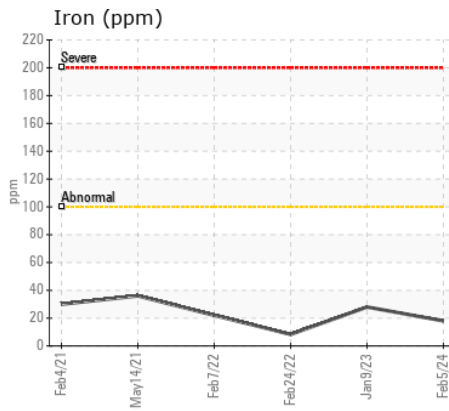
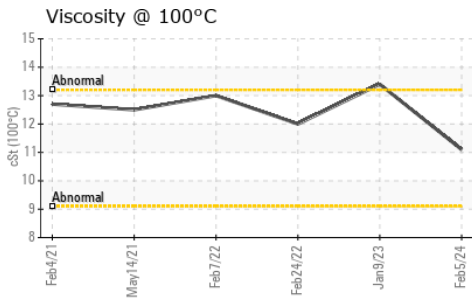
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	4	5
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	5
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	0.0
Soot %	%	ASTM D7844*	>3	<b>0.7</b>	0.2	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>10.2</b>	7.6	6.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.3</b>	20.8	19.6
Silt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	---	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	---	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
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>	12	▲ 179
Boron	ppm	ASTM D5185(m)		<b>2</b>	5	6
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>57</b>	57	72
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>915</b>	913	942
Calcium	ppm	ASTM D5185(m)		<b>1022</b>	1135	1051
Phosphorus	ppm	ASTM D5185(m)		<b>969</b>	1033	1000
Zinc	ppm	ASTM D5185(m)		<b>1114</b>	1120	1120
Sulfur	ppm	ASTM D5185(m)		<b>2599</b>	2552	2459
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.4</b>	16.1	14.3
Visc @ 100°C	cSt	ASTM D7279(m)		<b>11.1</b>	13.4	12.0



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0103700  
**Lab Number** : 02615868  
**Unique Number** : 5732978  
**Test Package** : MOB 1 ( Additional Tests: Visual )

**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.