



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
819016
 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. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0117061	GFL0061259	GFL0089700
Sample Date		Client Info		09 Apr 2024	15 Jan 2024	06 Oct 2023
Machine Age	hrs	Client Info		6093	5114	5104
Oil Age	hrs	Client Info		600	600	600
Filter Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	19	27	50
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		<1	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	4	6	9
Lead	ppm	ASTM D5185(m)	>40	0	0	<1
Copper	ppm	ASTM D5185(m)	>330	5	2	3
Tin	ppm	ASTM D5185(m)	>15	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

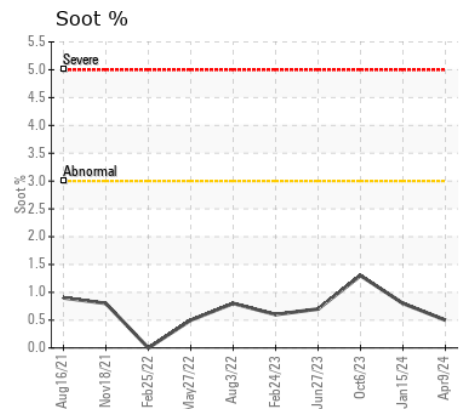
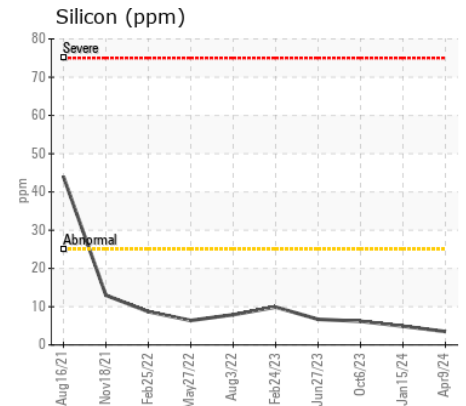
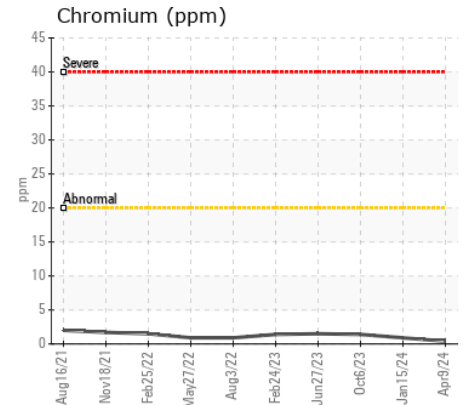
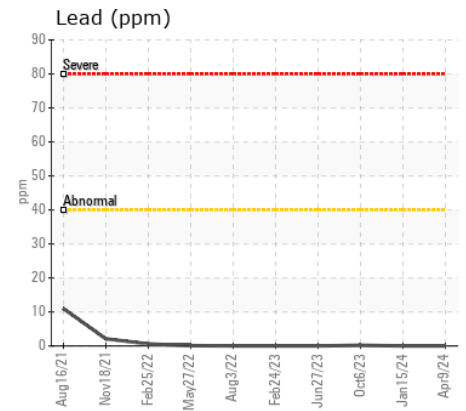
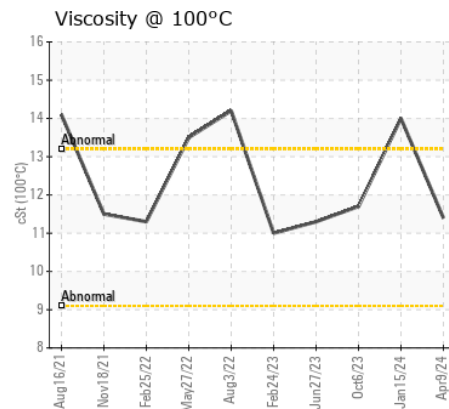
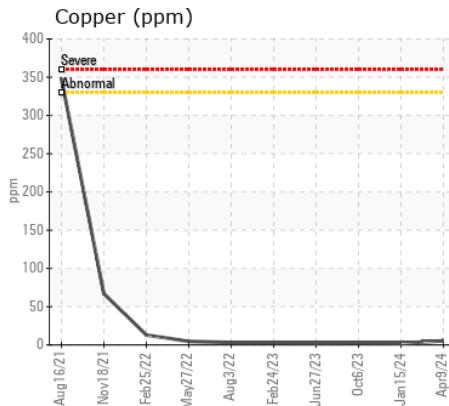
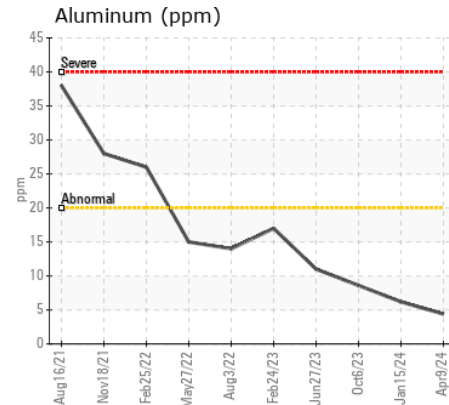
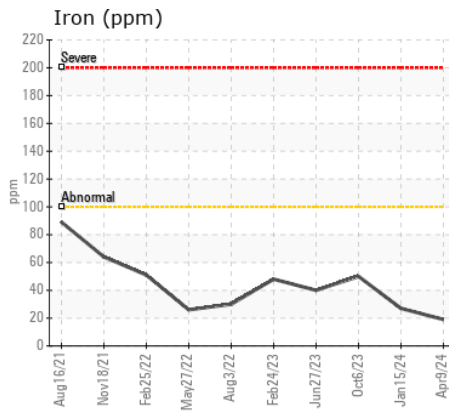
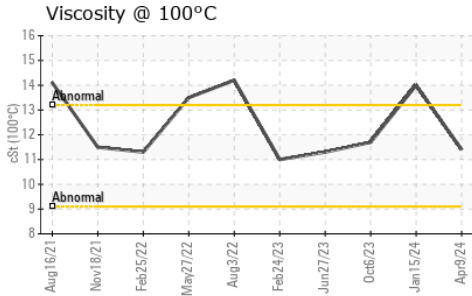
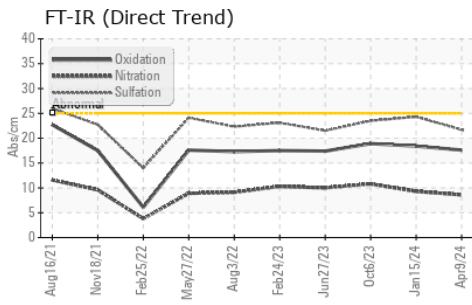
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	4	5	6
Potassium	ppm	ASTM D5185(m)	>20	3	10	12
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.5	0.8	1.3
Nitration	Abs/cm	ASTM D7624*	>20	8.6	9.3	10.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.7	24.3	23.5
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		2	3	3
Boron	ppm	ASTM D5185(m)		11	40	4
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		52	9	63
Manganese	ppm	ASTM D5185(m)		<1	0	0
Magnesium	ppm	ASTM D5185(m)		828	139	977
Calcium	ppm	ASTM D5185(m)		1273	2126	1117
Phosphorus	ppm	ASTM D5185(m)		998	961	998
Zinc	ppm	ASTM D5185(m)		1200	1163	1250
Sulfur	ppm	ASTM D5185(m)		2640	2955	2298
Oxidation	Abs/.1mm	ASTM D7414*	>25	17.6	18.4	18.9
Visc @ 100°C	cSt	ASTM D7279(m)		11.4	14.0	11.7



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0117061
Lab Number : 02628092
Unique Number : 5761224
Test Package : MOB 1 (Additional Tests: Visual)

Received : 11 Apr 2024
Tested : 11 Apr 2024
Diagnosed : 11 Apr 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.