



Machine Id
913160
Component
Diesel Engine
Fluid
PETRO CANADA 10W30 (--- GAL)

RECOMMENDATION

Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0117072	GFL0110450	---
Sample Date		Client Info		18 Apr 2024	19 Jan 2024	---
Machine Age	hrs	Client Info		1040	600	---
Oil Age	hrs	Client Info		600	600	---
Filter Age	hrs	Client Info		600	600	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

Usure de la soupape d'échappement. Le niveau d'usure du composant est élevé pour la période de rodage.

Iron	ppm	ASTM D5185(m)	>120	26	59	---
Chromium	ppm	ASTM D5185(m)	>20	<1	1	---
Nickel	ppm	ASTM D5185(m)	>5	▲ 19	▲ 28	---
Titanium	ppm	ASTM D5185(m)	>2	<1	0	---
Silver	ppm	ASTM D5185(m)	>2	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	4	9	---
Lead	ppm	ASTM D5185(m)	>40	2	2	---
Copper	ppm	ASTM D5185(m)	>330	125	97	---
Tin	ppm	ASTM D5185(m)	>15	2	4	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

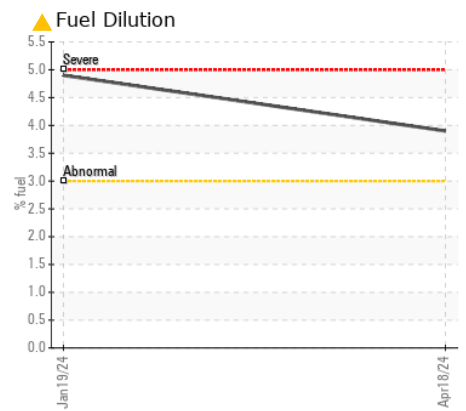
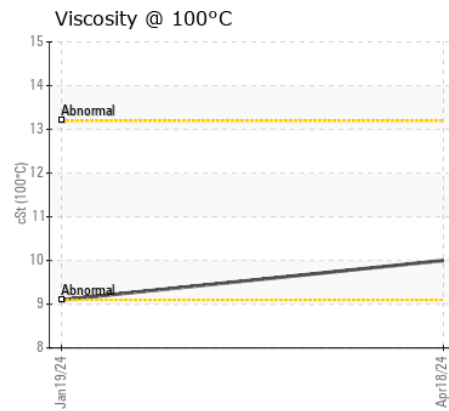
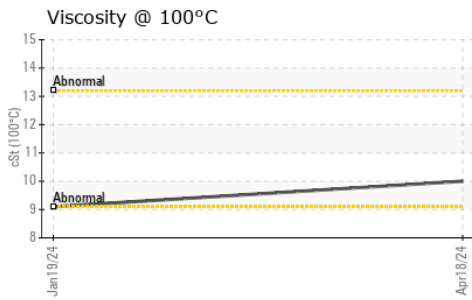
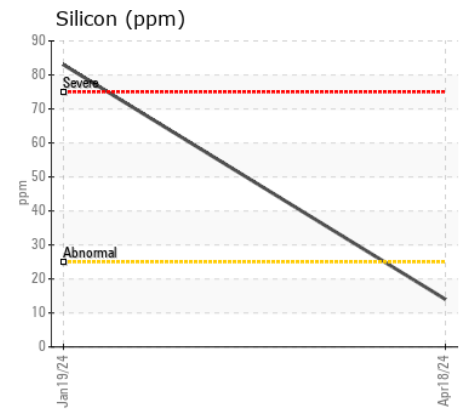
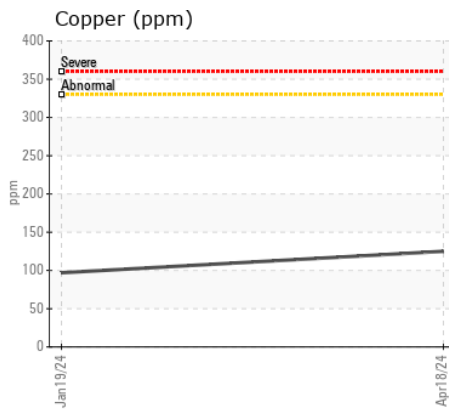
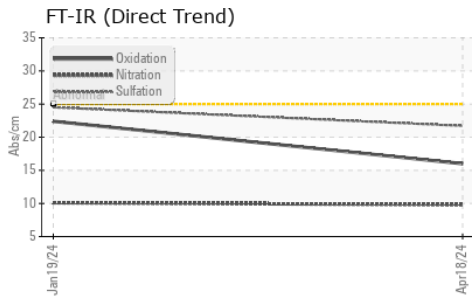
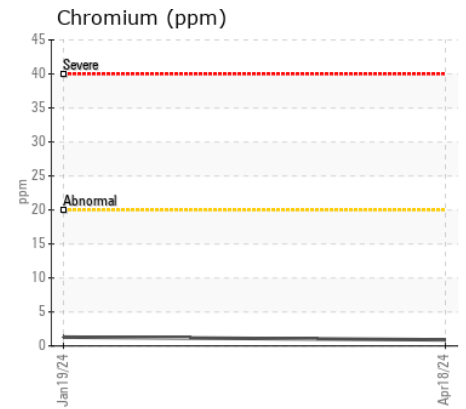
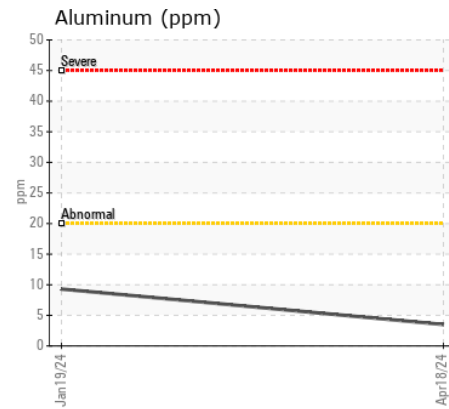
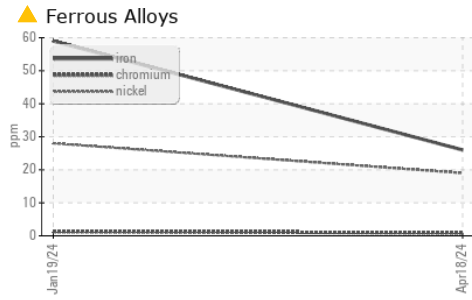
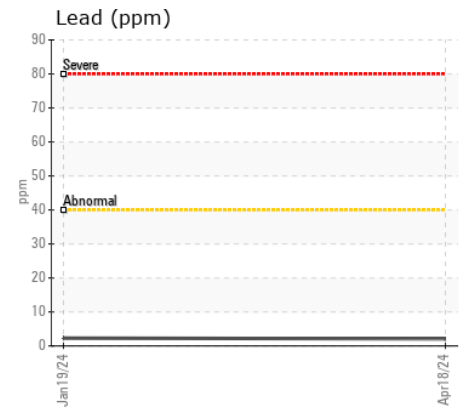
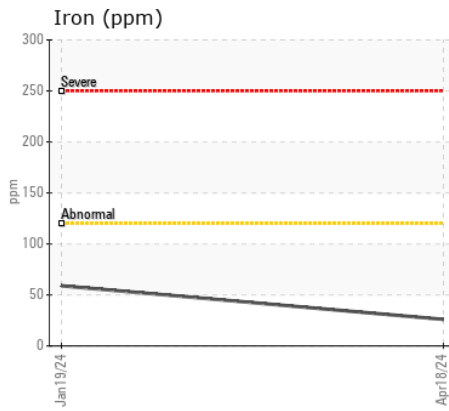
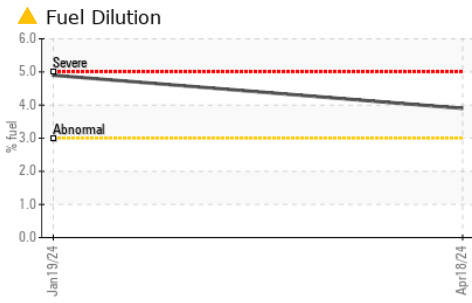
Quantité modérée de carburant dans l'huile. Les tests confirment la présence de carburant dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	14	83	---
Potassium	ppm	ASTM D5185(m)	>20	5	17	---
Fuel	%	ASTM D7593*	>3.0	▲ 3.9	▲ 4.9	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>4	0.3	0.3	---
Nitration	Abs/cm	ASTM D7624*	>20	9.8	10.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.7	24.5	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

L'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)		4	4	---
Boron	ppm	ASTM D5185(m)		31	202	---
Barium	ppm	ASTM D5185(m)		0	<1	---
Molybdenum	ppm	ASTM D5185(m)		9	105	---
Manganese	ppm	ASTM D5185(m)		2	5	---
Magnesium	ppm	ASTM D5185(m)		633	600	---
Calcium	ppm	ASTM D5185(m)		1224	1402	---
Phosphorus	ppm	ASTM D5185(m)		627	617	---
Zinc	ppm	ASTM D5185(m)		712	722	---
Sulfur	ppm	ASTM D5185(m)		1950	1872	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.0	22.4	---
Visc @ 100°C	cSt	ASTM D7279(m)		10.0	9.1	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0117072
Lab Number : 02630499
Unique Number : 5763631
Test Package : MOB 1 (Additional Tests: PercentFuel, Visual)

Received : 22 Apr 2024
Tested : 23 Apr 2024
Diagnosed : 23 Apr 2024 - Kevin Marson

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.