

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		GFL0061259	GFL0089700	GFL0078349
Sample Date		Client Info		15 Jan 2024	06 Oct 2023	27 Jun 2023
Machine Age	hrs	Client Info		5114	5104	4509
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	27	50	40
Chromium	ppm	ASTM D5185(m)	>20	<1	1	2
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	6	9	11
Lead	ppm	ASTM D5185(m)	>40	0	<1	0
Copper	ppm	ASTM D5185(m)	>330	2	3	3
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

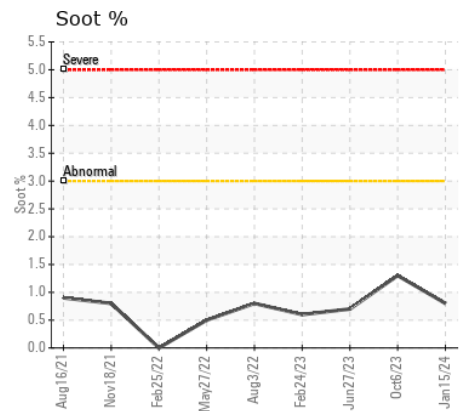
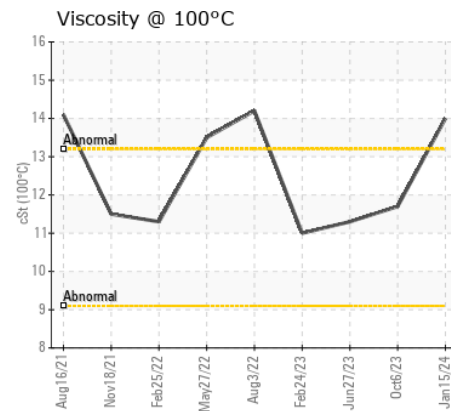
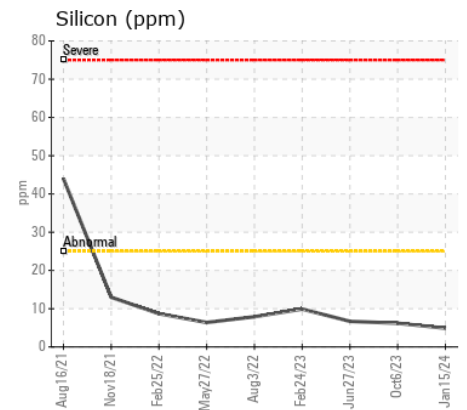
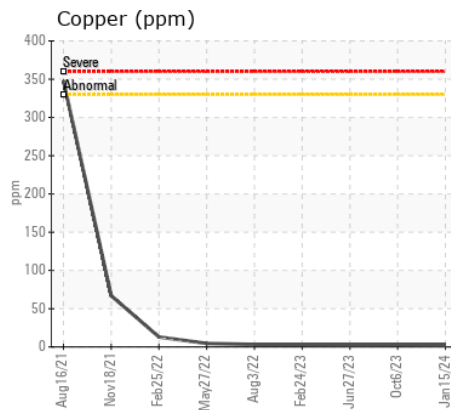
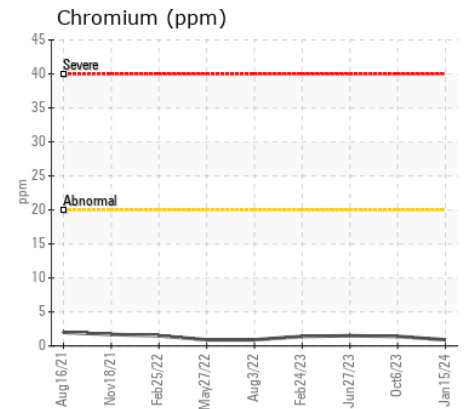
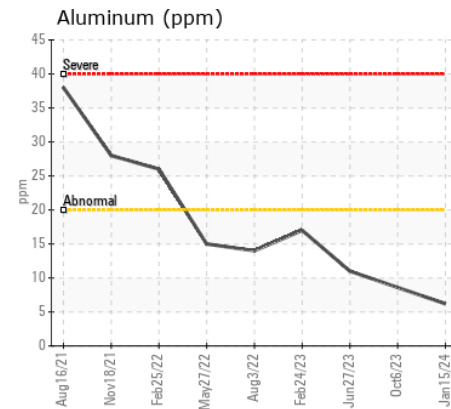
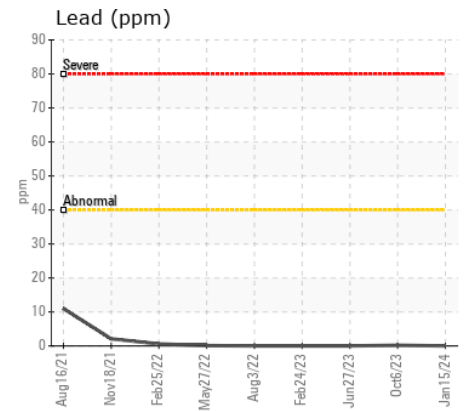
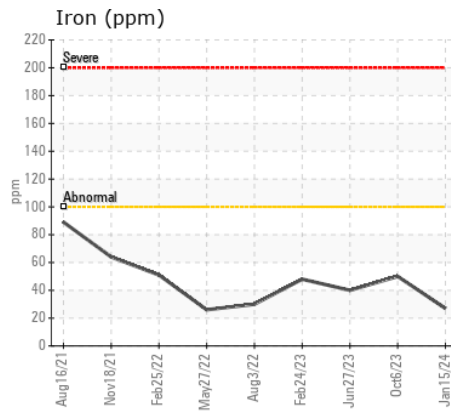
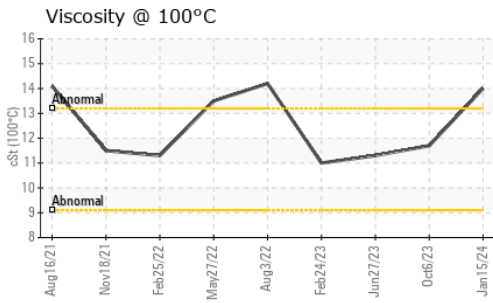
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	5	6	7
Potassium	ppm	ASTM D5185(m)	>20	10	12	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	0.8	1.3	0.7
Nitration	Abs/cm	ASTM D7624*	>20	9.3	10.8	10.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.3	23.5	21.5
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

La viscosité de l'échantillon se situe dans la portée de l'SAE 40; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		3	3	2
Boron	ppm	ASTM D5185(m)		40	4	4
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		9	63	60
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)		139	977	954
Calcium	ppm	ASTM D5185(m)		2126	1117	1081
Phosphorus	ppm	ASTM D5185(m)		961	998	1055
Zinc	ppm	ASTM D5185(m)		1163	1250	1212
Sulfur	ppm	ASTM D5185(m)		2955	2298	2436
Oxidation	Abs/.1mm	ASTM D7414*	>25	18.4	18.9	17.4
Visc @ 100°C	cSt	ASTM D7279(m)		14.0	11.7	11.3



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 732 - Beauce - Hauling - Solid Waste
Sample No. : GFL0061259 **Received** : 18 Jan 2024
Lab Number : 02609621 **Diagnosed** : 18 Jan 2024
Unique Number : 5710707 **Diagnostician** : Kevin Marson
Test Package : MOB 1

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.

139, 181 Street,
 Beauceville, QC
 CA G5X 2S9
 Contact: Sandrine Duval
 sduval@matrec.ca
 T: (418)774-5275
 F: (418)774-5292