



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
813041
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		GFL0093654	GFL0089033	GFL0070521
Sample Date		Client Info		21 Feb 2024	01 Sep 2023	06 Feb 2023
Machine Age	hrs	Client Info		2616	1722	553
Oil Age	hrs	Client Info		0	600	553
Filter Age	hrs	Client Info		0	600	553
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>80	16	35	136
Chromium	ppm	ASTM D5185(m)	>5	<1	2	4
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	5	15	25
Lead	ppm	ASTM D5185(m)	>30	0	<1	<1
Copper	ppm	ASTM D5185(m)	>150	1	4	32
Tin	ppm	ASTM D5185(m)	>5	0	<1	3
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

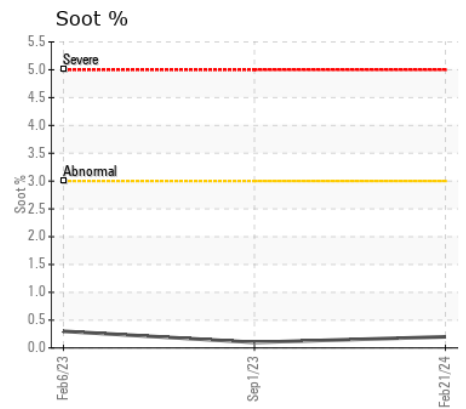
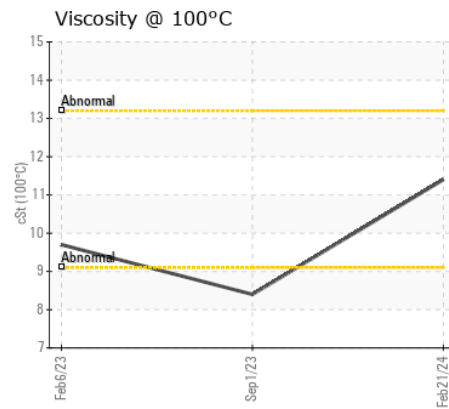
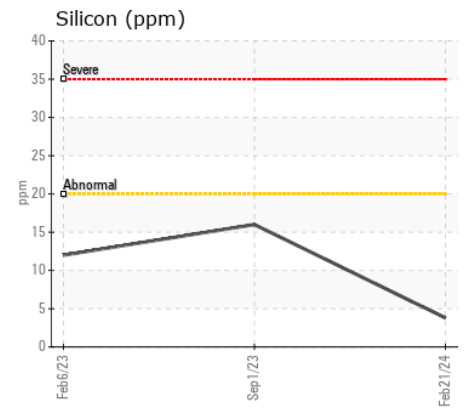
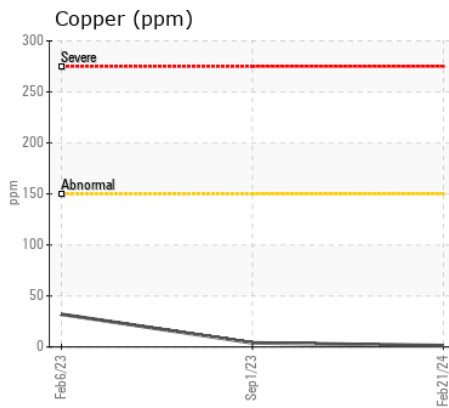
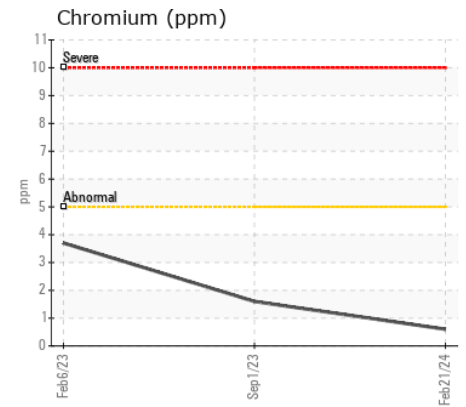
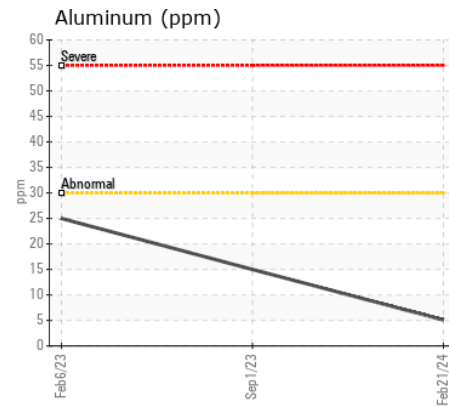
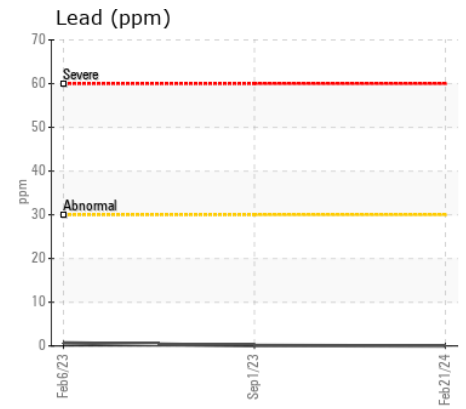
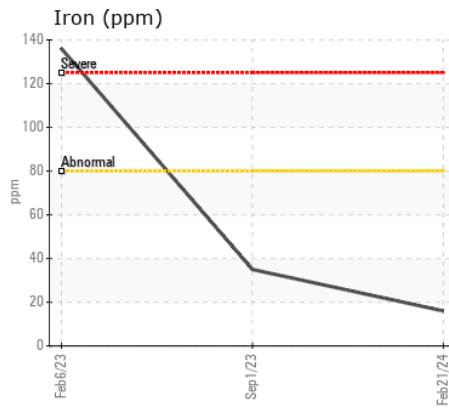
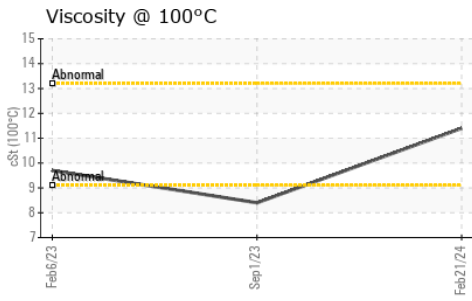
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	4	16	12
Potassium	ppm	ASTM D5185(m)	>20	11	30	96
Fuel		WC Method	>5	<1.0	1.1	0.7
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	0.0	NEG
Soot %	%	ASTM D7844*	>3	0.2	0.1	0.3
Nitration	Abs/cm	ASTM D7624*	>20	9.3	5.7	9.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.6	25.1	25.4
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	11	9
Boron	ppm	ASTM D5185(m)		51	20	37
Barium	ppm	ASTM D5185(m)		0	1	0
Molybdenum	ppm	ASTM D5185(m)		10	21	43
Manganese	ppm	ASTM D5185(m)		0	<1	12
Magnesium	ppm	ASTM D5185(m)		742	323	558
Calcium	ppm	ASTM D5185(m)		1344	682	1747
Phosphorus	ppm	ASTM D5185(m)		763	712	837
Zinc	ppm	ASTM D5185(m)		837	680	940
Sulfur	ppm	ASTM D5185(m)		2634	2499	2064
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.0	22.6	21.9
Visc @ 100°C	cSt	ASTM D7279(m)		11.4	▲ 8.4	▲ 9.7



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0093654
Lab Number : 02620755
Unique Number : 5737865
Test Package : MOB 1
Received : 08 Mar 2024
Tested : 08 Mar 2024
Diagnosed : 08 Mar 2024 - Wes Davis

GFL Environmental - 769 - Drummondville CD
 1005 rue Rhea
 Drummondville, QC
 CA J2B 8A9
 Contact: Service Manager

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.

T:
F: