



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
426133
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 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		GFL0107449	GFL0094955	GFL0094949
Sample Date		Client Info		21 May 2024	16 Jan 2024	22 Nov 2023
Machine Age	hrs	Client Info		13266	12881	12708
Oil Age	hrs	Client Info		500	500	500
Filter Age	hrs	Client Info		500	500	500
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)	>90	53	25	62
Chromium	ppm	ASTM D5185(m)	>20	2	<1	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<1	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	4	3	6
Lead	ppm	ASTM D5185(m)	>40	0	<1	2
Copper	ppm	ASTM D5185(m)	>330	4	13	28
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

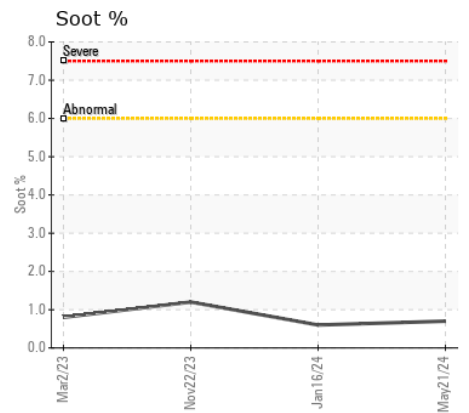
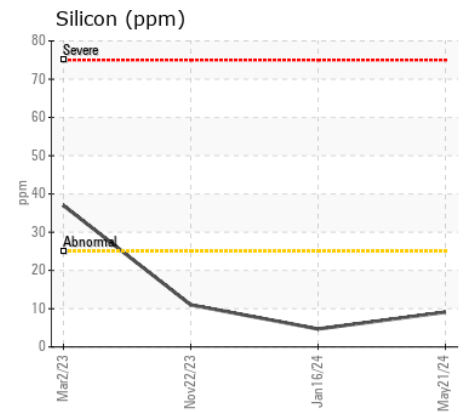
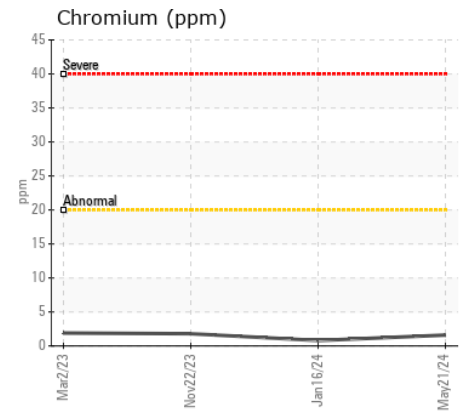
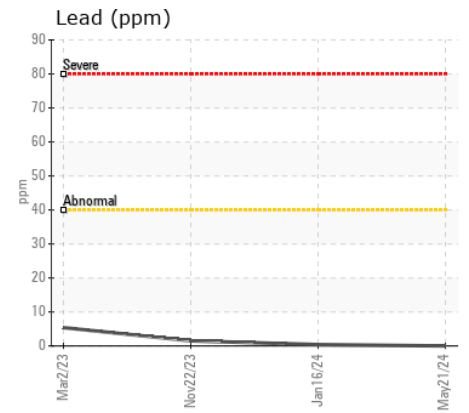
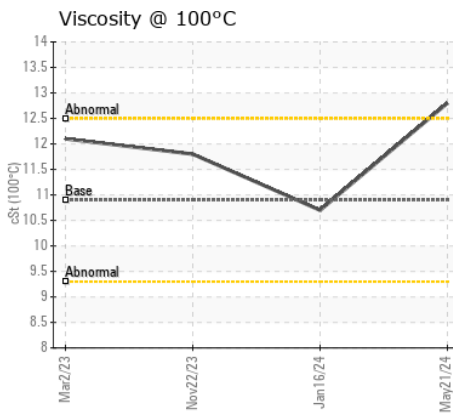
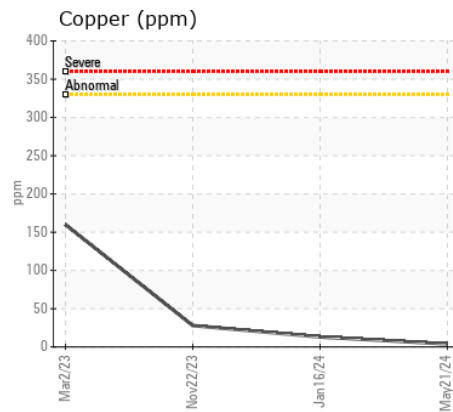
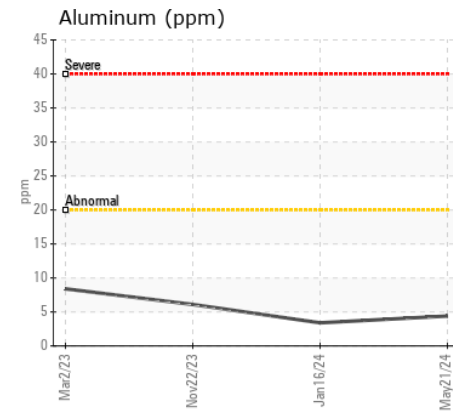
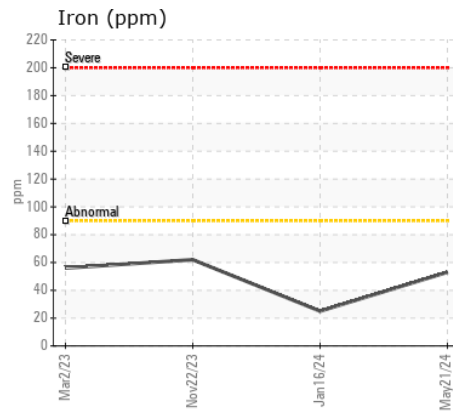
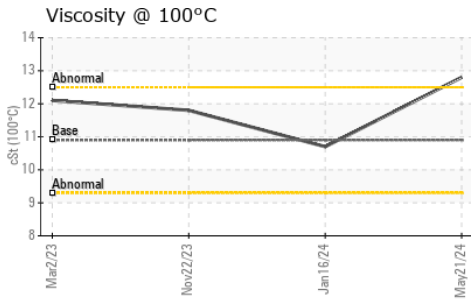
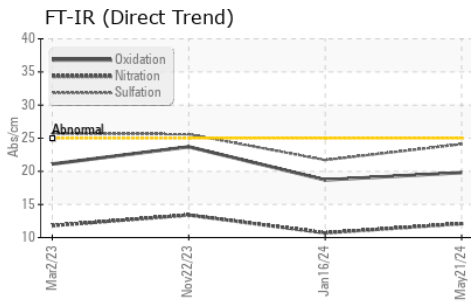
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	9	5	11
Potassium	ppm	ASTM D5185(m)	>20	1	2	3
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>6	0.7	0.6	1.2
Nitration	Abs/cm	ASTM D7624*	>20	12.1	10.7	13.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.1	21.7	25.6
Silt	scalar	Visual*	NONE	VLITE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
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

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)		8	2	4
Boron	ppm	ASTM D5185(m)	250	9	1	3
Barium	ppm	ASTM D5185(m)	10	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	100	62	58	59
Manganese	ppm	ASTM D5185(m)		<1	0	<1
Magnesium	ppm	ASTM D5185(m)	450	905	906	916
Calcium	ppm	ASTM D5185(m)	3000	1199	1050	1274
Phosphorus	ppm	ASTM D5185(m)	1150	950	973	1028
Zinc	ppm	ASTM D5185(m)	1350	1176	1132	1265
Sulfur	ppm	ASTM D5185(m)	4250	2247	2501	2140
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.8	18.7	23.7
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	12.8	10.7	11.8



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107449 **Received** : 23 May 2024
Lab Number : 02637051 **Tested** : 23 May 2024
Unique Number : 5786213 **Diagnosed** : 23 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Visual)

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.

GFL Environmental - 772
 435 Montee Cushing
 Brownsburg-Chatham, QC
 CA J8G 1B9
 Contact: Kelly-Ann Forbes
 kforbes@matrec.ca
 T: (450)566-3721
 F: