



Machine Id
813092
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 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		GFL0119612	GFL0094584	GFL0081348
Sample Date		Client Info		02 Apr 2024	04 Oct 2023	28 Aug 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		600	600	600
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Chngd	N/A	N/A
Sample Status				SEVERE	NORMAL	NORMAL

WEAR

Usure de la soupape d'échappement.

Iron	ppm	ASTM D5185(m)	>120	21	10	39
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>5	▲ 13	2	5
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	1	5
Lead	ppm	ASTM D5185(m)	>40	0	<1	3
Copper	ppm	ASTM D5185(m)	>330	13	18	72
Tin	ppm	ASTM D5185(m)	>15	<1	<1	3
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

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

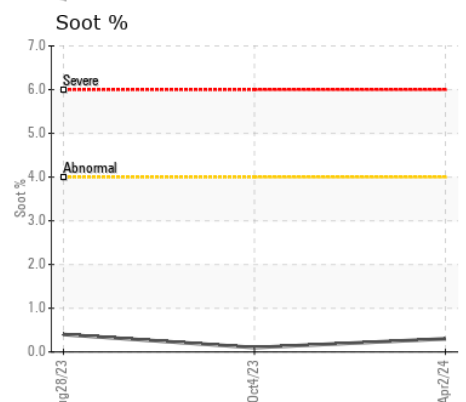
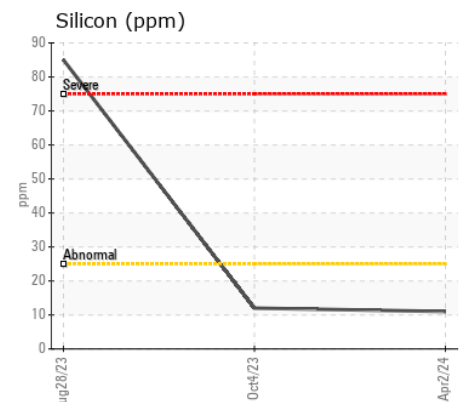
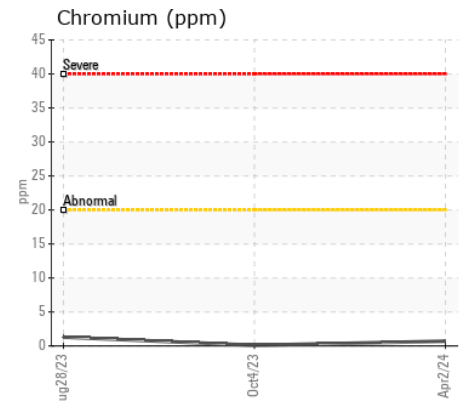
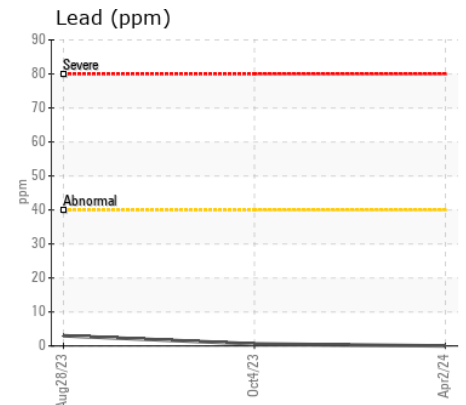
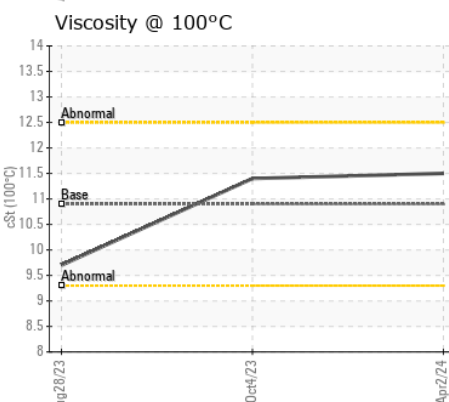
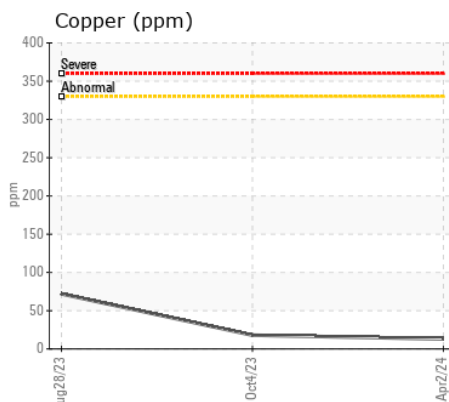
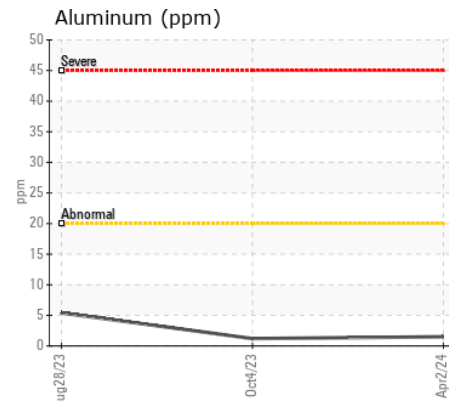
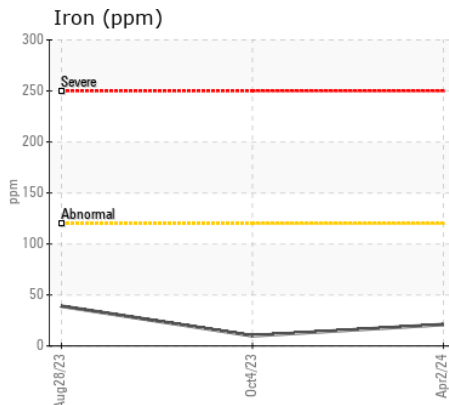
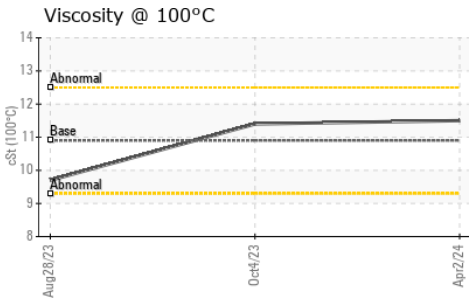
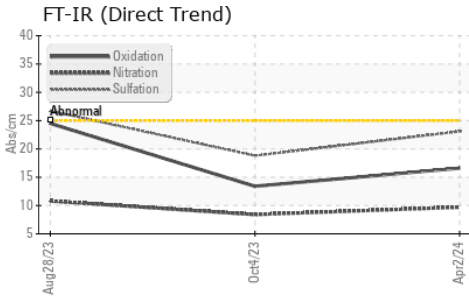
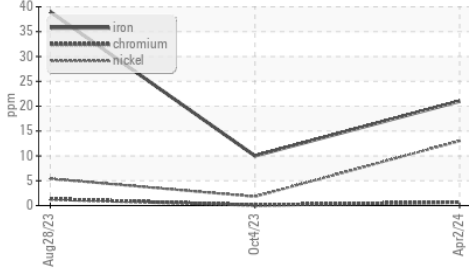
Silicon	ppm	ASTM D5185(m)	>25	11	12	85
Potassium	ppm	ASTM D5185(m)	>20	3	2	8
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>4	0.3	0.1	0.4
Nitration	Abs/cm	ASTM D7624*	>20	9.7	8.4	10.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	23.1	18.8	26.7
Silt	scalar	Visual*	NONE	NONE	---	---
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

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

Sodium	ppm	ASTM D5185(m)		2	2	4
Boron	ppm	ASTM D5185(m)	250	29	69	163
Barium	ppm	ASTM D5185(m)	10	0	<1	<1
Molybdenum	ppm	ASTM D5185(m)	100	4	12	125
Manganese	ppm	ASTM D5185(m)		1	<1	5
Magnesium	ppm	ASTM D5185(m)	450	734	725	677
Calcium	ppm	ASTM D5185(m)	3000	1337	1338	1475
Phosphorus	ppm	ASTM D5185(m)	1150	671	703	680
Zinc	ppm	ASTM D5185(m)	1350	774	779	780
Sulfur	ppm	ASTM D5185(m)	4250	2365	2412	1806
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.6	13.4	24.5
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.5	11.4	9.7

▲ Ferrous Alloys



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0119612
Lab Number : 02630460
Unique Number : 5763592
Test Package : MOB 1 (Additional Tests: Visual)
Received : 22 Apr 2024
Tested : 22 Apr 2024
Diagnosed : 22 Apr 2024 - Kevin Marson

GFL Environmental - 736 - Trois-Rivieres
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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.