



Machine Id
813098
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 30 (--- 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		GFL009668	GFL0096624	GFL0096648
Sample Date		Client Info		26 Mar 2024	09 Jan 2024	11 Oct 2023
Machine Age	kms	Client Info		59160	43889	29564
Oil Age	kms	Client Info		600	600	600
Filter Age	kms	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	SEVERE

WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>120	15	19	24
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	12	3	2
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	<1	1
Aluminum	ppm	ASTM D5185(m)	>20	2	3	3
Lead	ppm	ASTM D5185(m)	>40	0	<1	2
Copper	ppm	ASTM D5185(m)	>330	5	19	53
Tin	ppm	ASTM D5185(m)	>15	0	<1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

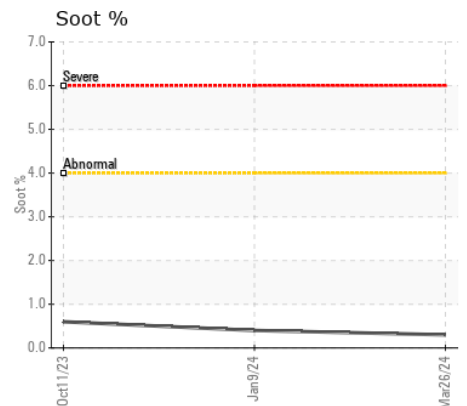
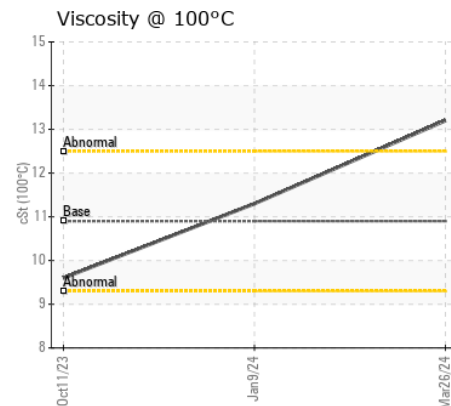
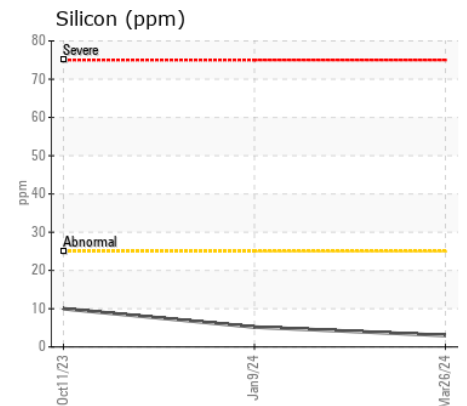
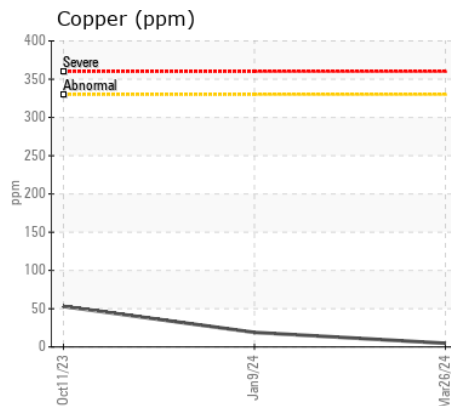
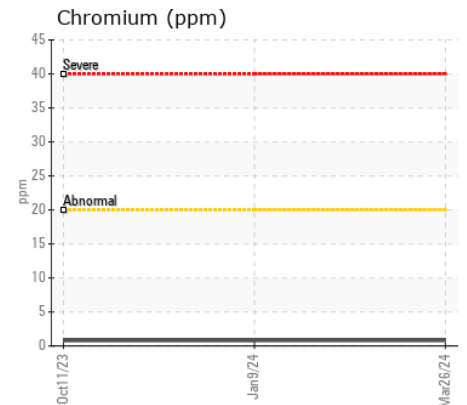
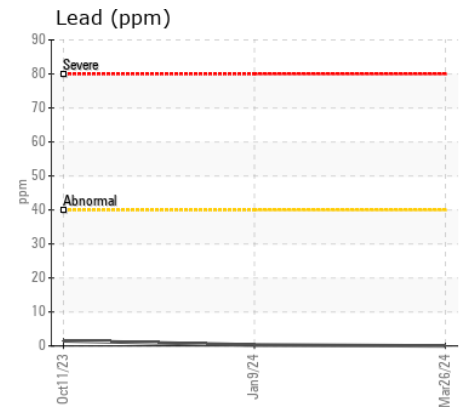
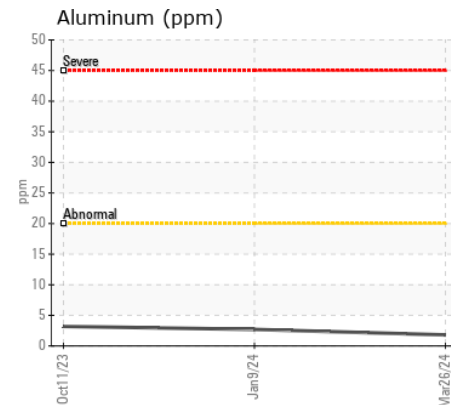
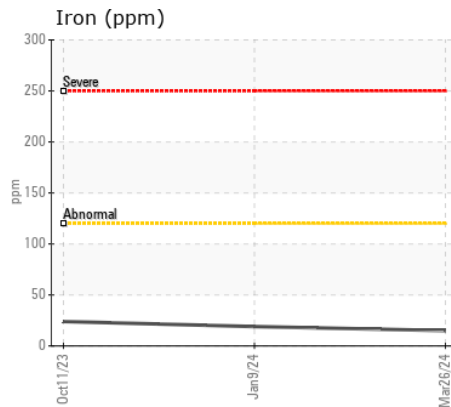
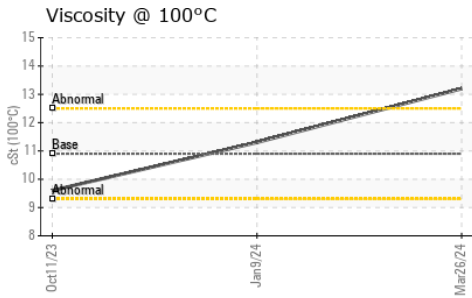
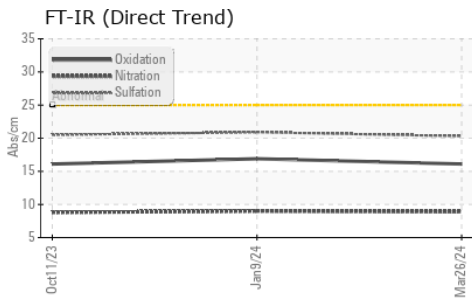
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	3	5	10
Potassium	ppm	ASTM D5185(m)	>20	2	5	6
Fuel		WC Method	>3.0	<1.0	0.6	▲ 5.6
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>4	0.3	0.4	0.6
Nitration	Abs/cm	ASTM D7624*	>20	8.9	9.0	8.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.3	20.9	20.5
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)	>75	3	3	4
Boron	ppm	ASTM D5185(m)	250	3	3	8
Barium	ppm	ASTM D5185(m)	10	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	100	57	55	64
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	935	854	889
Calcium	ppm	ASTM D5185(m)	3000	1164	1107	1051
Phosphorus	ppm	ASTM D5185(m)	1150	982	904	834
Zinc	ppm	ASTM D5185(m)	1350	1198	1118	1090
Sulfur	ppm	ASTM D5185(m)	4250	2452	2275	1887
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.1	16.9	16.1
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	13.2	11.3	▲ 9.6



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0096668
Lab Number : 02628392
Unique Number : 5761524
Test Package : MOB 1
Received : 12 Apr 2024
Tested : 12 Apr 2024
Diagnosed : 12 Apr 2024 - Kevin Marson

GFL Environmental - 730 - Chicoutimi - Hauling
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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.