



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
EXCAVATION J.L.
Machine Id
WL0054
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		GFL0118352	GFL0118340	GFL0067468
Sample Date		Client Info		10 May 2024	08 Apr 2024	17 Oct 2023
Machine Age	hrs	Client Info		22231	22063	21068
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	SEVERE	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>51	26	▲ 116	34
Chromium	ppm	ASTM D5185(m)	>11	<1	2	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	2	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>31	2	7	2
Lead	ppm	ASTM D5185(m)	>26	0	<1	<1
Copper	ppm	ASTM D5185(m)	>26	<1	3	2
Tin	ppm	ASTM D5185(m)	>4	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

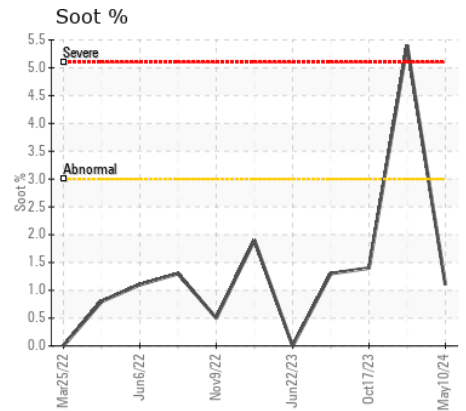
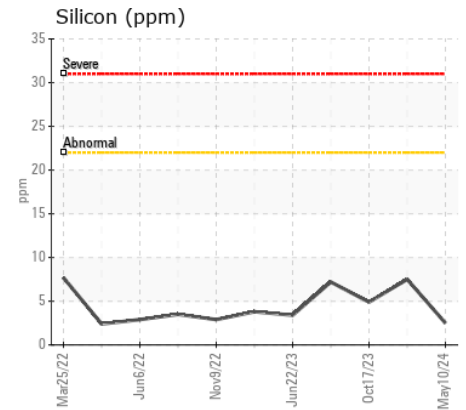
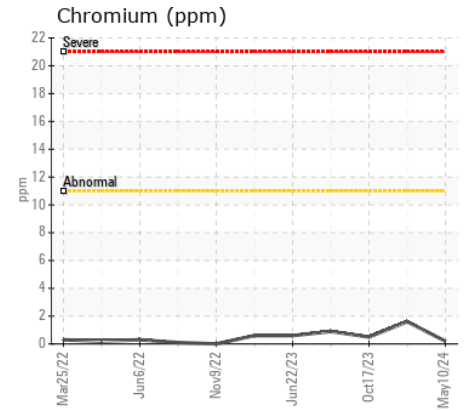
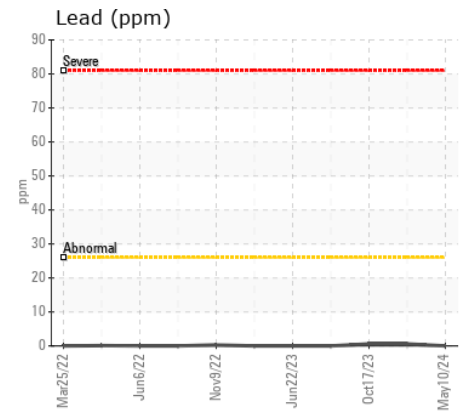
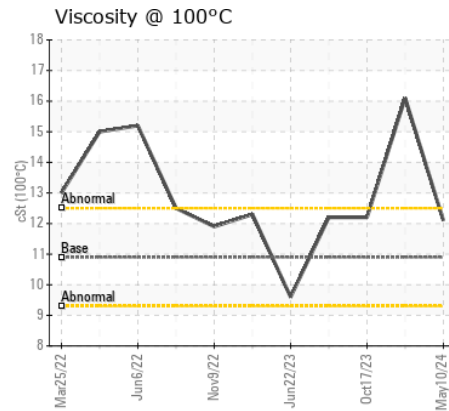
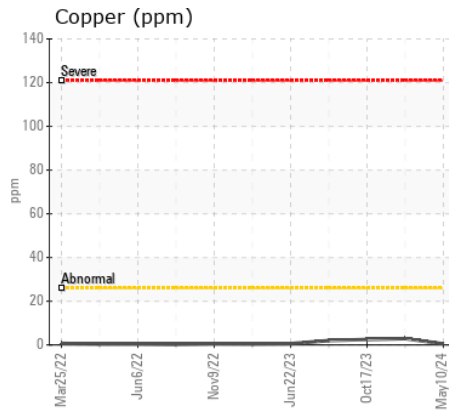
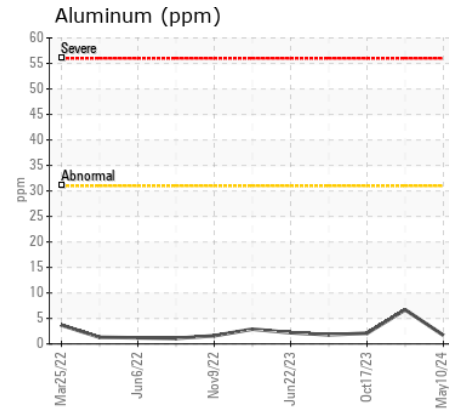
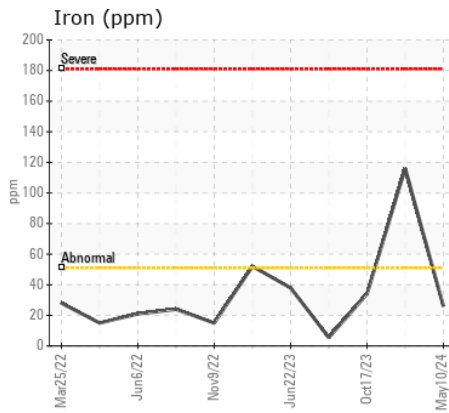
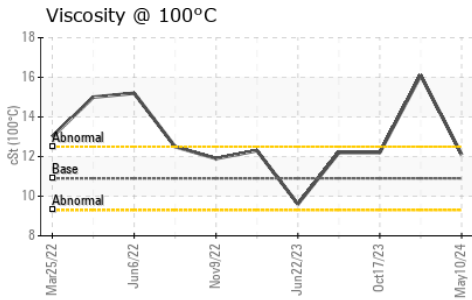
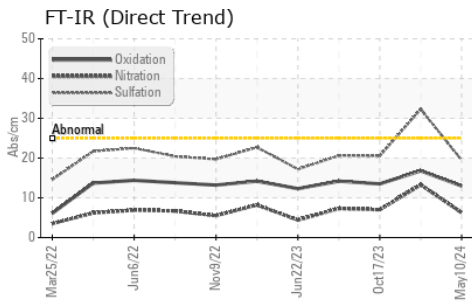
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>22	2	8	5
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	1.1	▲ 5.4	1.4
Nitration	Abs/cm	ASTM D7624*	>20	6.3	13.3	7.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.5	32.3	20.5
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	NEG

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		2	3	2
Boron	ppm	ASTM D5185(m)	250	2	3	3
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	54	66	56
Manganese	ppm	ASTM D5185(m)		<1	<1	0
Magnesium	ppm	ASTM D5185(m)	450	857	988	889
Calcium	ppm	ASTM D5185(m)	3000	1231	1229	1307
Phosphorus	ppm	ASTM D5185(m)	1150	1006	1022	1014
Zinc	ppm	ASTM D5185(m)	1350	1150	1254	1223
Sulfur	ppm	ASTM D5185(m)	4250	2613	2393	2593
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.0	16.8	13.5
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	12.1	▲ 16.1	12.2



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 743 - Montreal Est CD Processing**
Sample No. : GFL0118352 **Received** : 15 May 2024 10930 rue Sherbrooke
Lab Number : 02635584 **Tested** : 15 May 2024 Montreal, QC
Unique Number : 5776737 **Diagnosed** : 15 May 2024 - Kevin Marson CA H1B 1B4
Test Package : MOB 1 Contact: Patrick Beaulieu
 patrick.beaulieu@gflenv.com

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.