



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
713073
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		GFL0103662	GFL0097135	GFL0084419
Sample Date		Client Info		02 Jan 2024	25 Oct 2023	12 Jul 2023
Machine Age	kms	Client Info		2072	27125	989
Oil Age	kms	Client Info		0	0	600
Filter Age	kms	Client Info		0	0	600
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>100	19	27	17
Chromium	ppm	ASTM D5185(m)	>20	1	2	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	6	11	4
Lead	ppm	ASTM D5185(m)	>40	2	6	8
Copper	ppm	ASTM D5185(m)	>330	77	244	351
Tin	ppm	ASTM D5185(m)	>15	<1	<1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

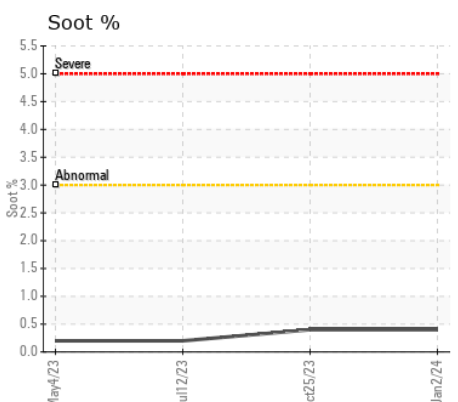
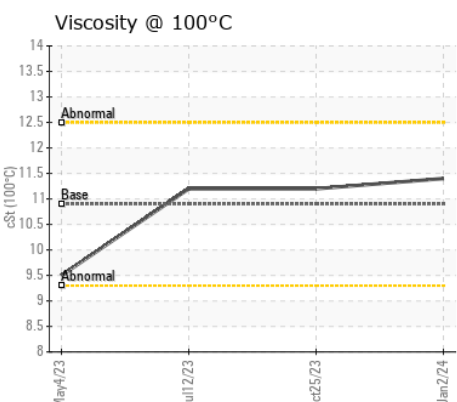
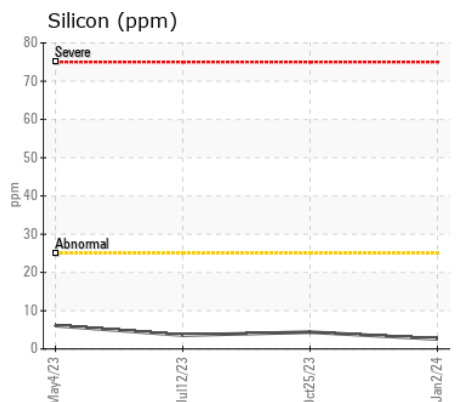
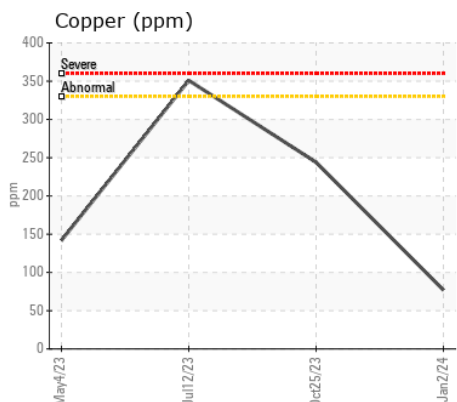
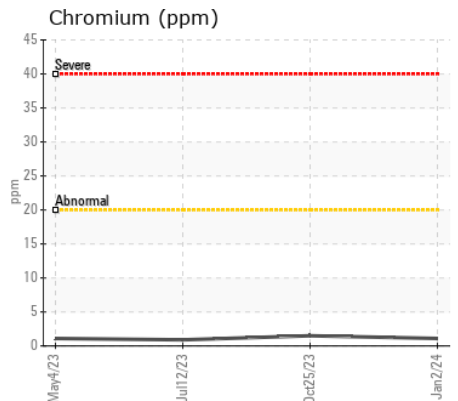
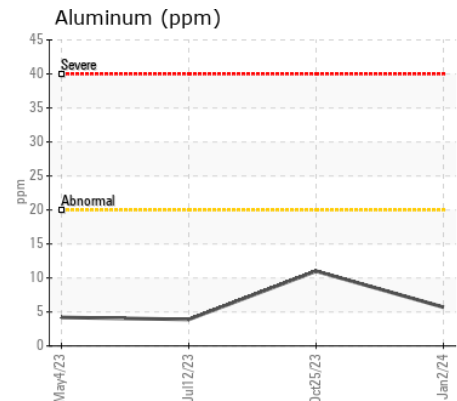
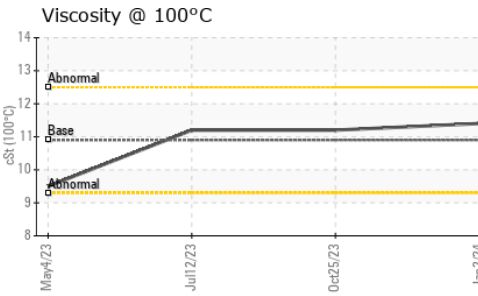
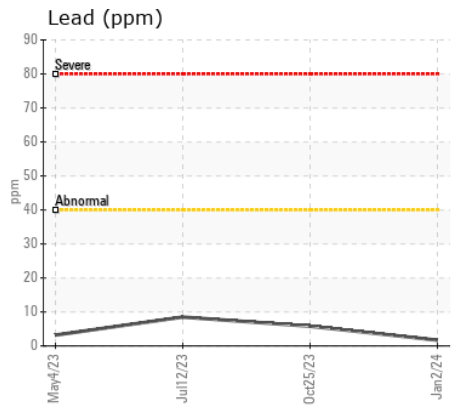
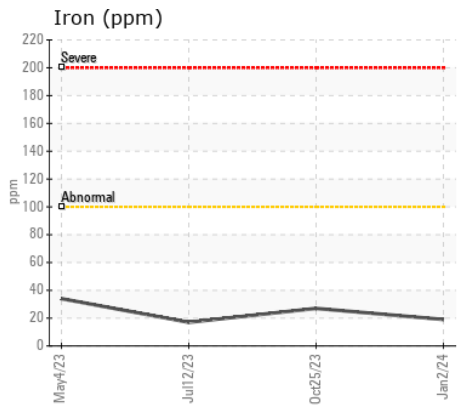
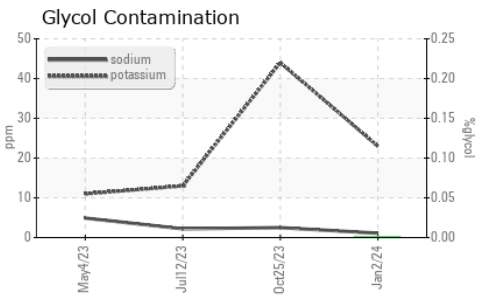
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	3	4	4
Potassium	ppm	ASTM D5185(m)	>20	23	44	13
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.4	0.4	0.2
Nitration	Abs/cm	ASTM D7624*	>20	7.4	7.8	7.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.2	20.2	21.0
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)		1	2	2
Boron	ppm	ASTM D5185(m)	250	1	3	8
Barium	ppm	ASTM D5185(m)	10	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	100	59	67	57
Manganese	ppm	ASTM D5185(m)		0	<1	1
Magnesium	ppm	ASTM D5185(m)	450	962	1083	907
Calcium	ppm	ASTM D5185(m)	3000	1114	1347	1142
Phosphorus	ppm	ASTM D5185(m)	1150	993	1105	1016
Zinc	ppm	ASTM D5185(m)	1350	1194	1382	1138
Sulfur	ppm	ASTM D5185(m)	4250	2469	2363	2217
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.0	16.0	16.3
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.4	11.2	11.2



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0103662 **Received** : 05 Jan 2024
Lab Number : 02606729 **Diagnosed** : 05 Jan 2024
Unique Number : 5707815 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: Glycol)

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.