



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
811030
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		GFL0096653	GFL0096626	GFL0080347
Sample Date		Client Info		10 Jan 2024	11 Dec 2023	20 Sep 2023
Machine Age	kms	Client Info		126129	119893	104081
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	NORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>80	11	14	48
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	4	5	23
Lead	ppm	ASTM D5185(m)	>30	1	1	<1
Copper	ppm	ASTM D5185(m)	>150	2	3	4
Tin	ppm	ASTM D5185(m)	>5	<1	1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

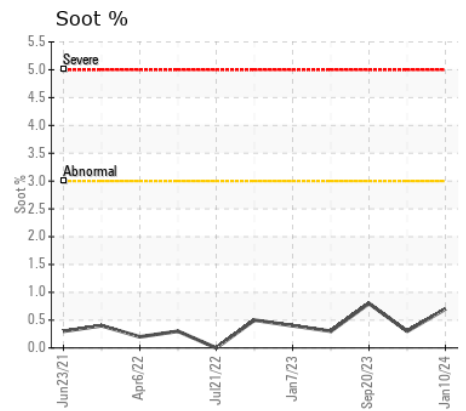
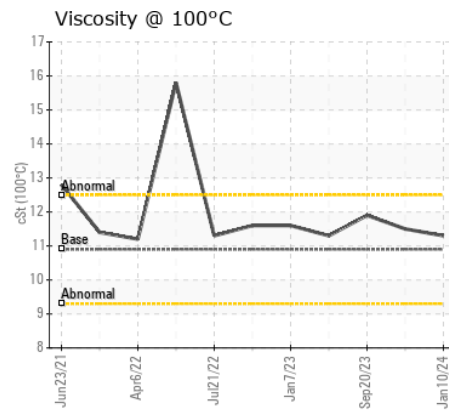
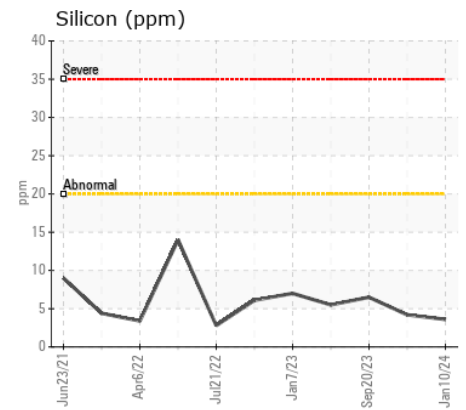
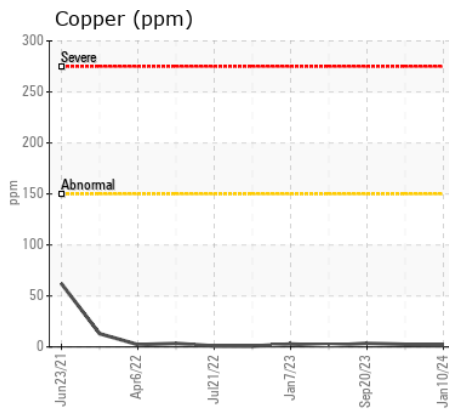
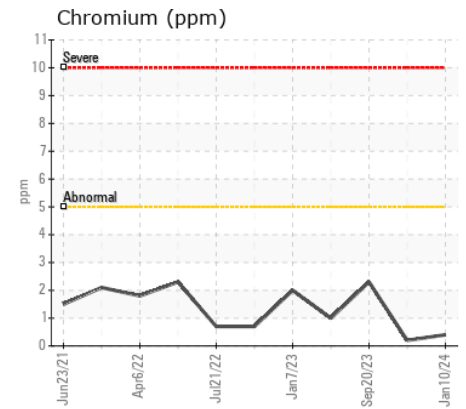
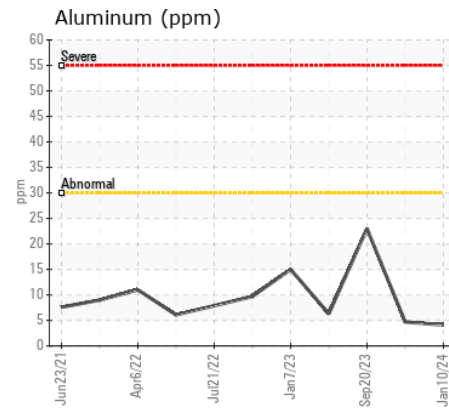
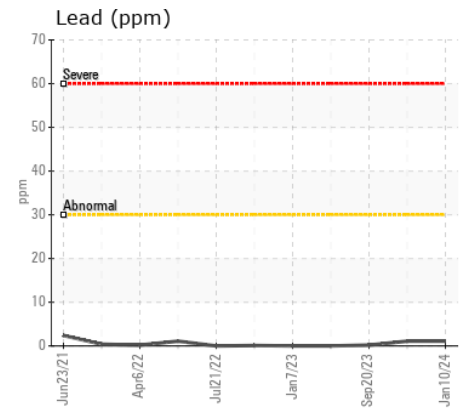
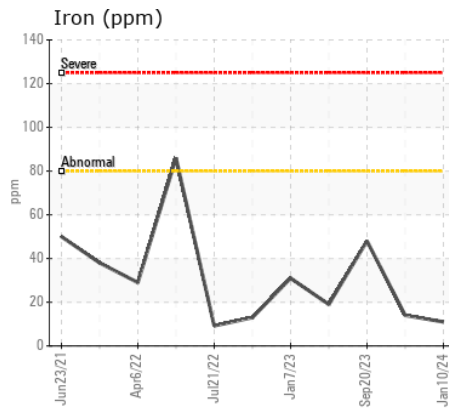
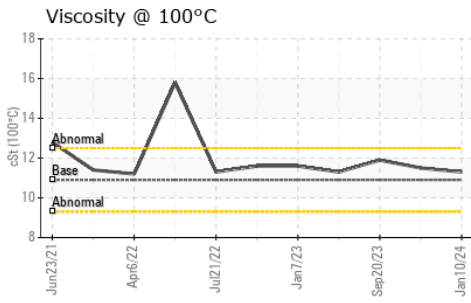
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	4	4	6
Potassium	ppm	ASTM D5185(m)	>20	2	10	41
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0.7	0.3	0.8
Nitration	Abs/cm	ASTM D7624*	>20	8.7	9.7	11.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	21.2	21.4	23.7
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'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		5	2	3
Boron	ppm	ASTM D5185(m)	250	4	19	5
Barium	ppm	ASTM D5185(m)	10	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	100	59	6	65
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)	450	943	740	1017
Calcium	ppm	ASTM D5185(m)	3000	1039	1311	1130
Phosphorus	ppm	ASTM D5185(m)	1150	958	735	1025
Zinc	ppm	ASTM D5185(m)	1350	1153	800	1234
Sulfur	ppm	ASTM D5185(m)	4250	2319	2603	2327
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.6	15.4	21.0
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.3	11.5	11.9



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0096653
Lab Number : 02616865
Unique Number : 5733975
Test Package : MOB 1 (Additional Tests: Visual)
Received : 21 Feb 2024
Tested : 21 Feb 2024
Diagnosed : 21 Feb 2024 - Kevin Marson

GFL Environmental - 730 - Chicoutimi - Hauling
 3199 Boul. Talbot
 Chicoutimi, QC
 CA G7H 5B1
 Contact: Yan Houde
 yhoude@matrec.ca
 T: (418)549-8074
 F: (418)549-7973

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.