



Machine Id
MACK 414000
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 10W30 (--- LTR)

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		GFL0094633	GFL0100798	---
Sample Date		Client Info		07 Feb 2024	10 Jan 2024	---
Machine Age	hrs	Client Info		668	598	---
Oil Age	hrs	Client Info		70	598	---
Filter Age	hrs	Client Info		70	598	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				MARGINAL	NORMAL	---

WEAR

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

Iron	ppm	ASTM D5185(m)	>120	13	61	---
Chromium	ppm	ASTM D5185(m)	>20	0	<1	---
Nickel	ppm	ASTM D5185(m)	>5	2	8	---
Titanium	ppm	ASTM D5185(m)	>2	0	0	---
Silver	ppm	ASTM D5185(m)	>2	<1	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	4	15	---
Lead	ppm	ASTM D5185(m)	>40	1	6	---
Copper	ppm	ASTM D5185(m)	>330	57	251	---
Tin	ppm	ASTM D5185(m)	>15	<1	4	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

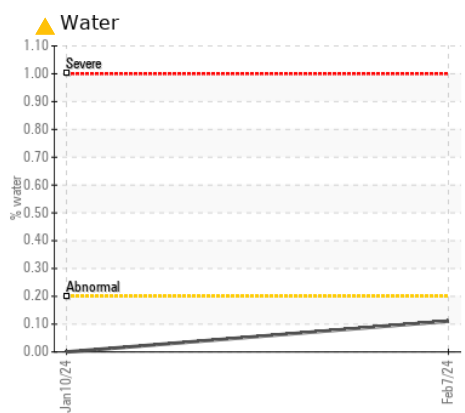
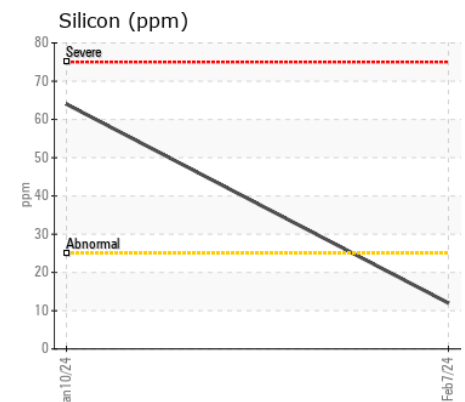
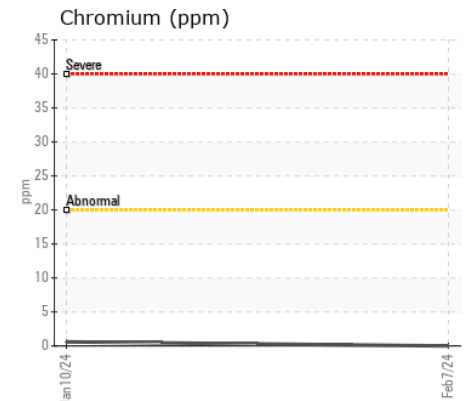
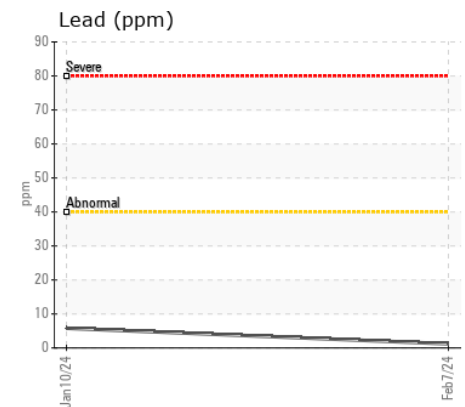
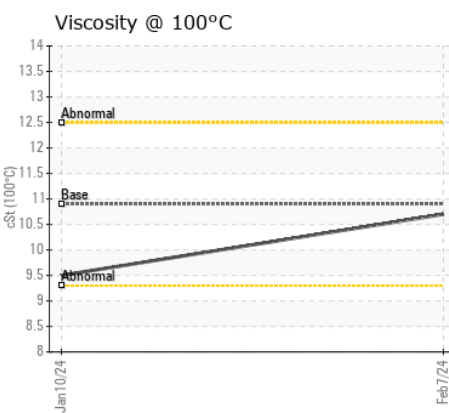
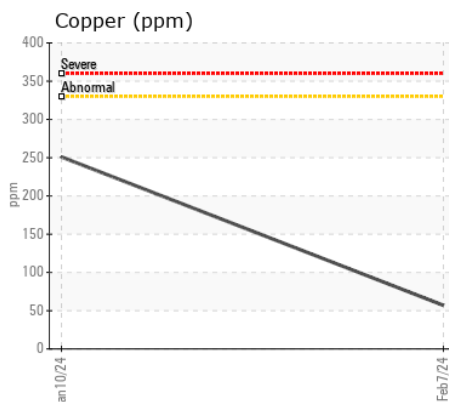
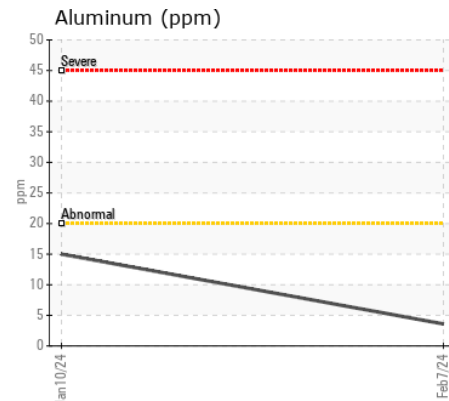
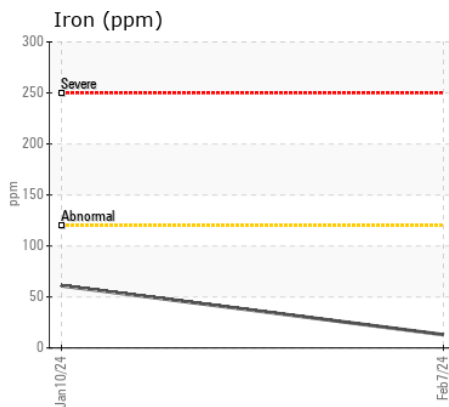
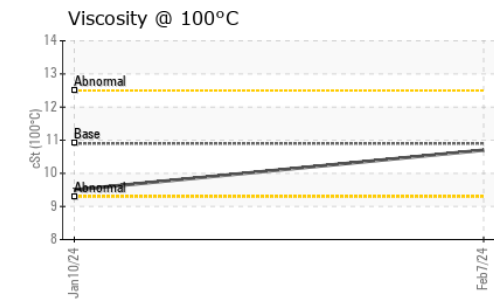
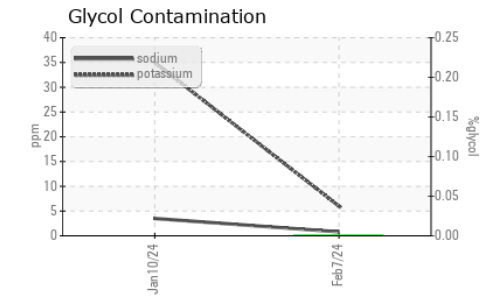
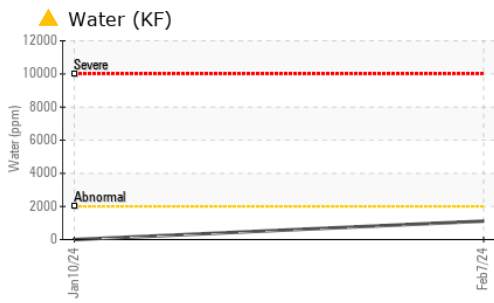
Il y a une trace d'humidité dans l'huile. Le test de glycol est négatif.

Silicon	ppm	ASTM D5185(m)	>25	12	64	---
Potassium	ppm	ASTM D5185(m)	>20	6	35	---
Fuel		WC Method	>3.0	<1.0	<1.0	---
Water	%	ASTM D6304*	>0.2	▲ 0.111	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 1115	---	---
Glycol	%	ASTM D7922*		0.0	NEG	---
Soot %	%	ASTM D7844*	>4	0	0.2	---
Nitration	Abs/cm	ASTM D7624*	>20	5.7	10.7	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.9	24.6	---
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	4	---
Boron	ppm	ASTM D5185(m)	250	30	154	---
Barium	ppm	ASTM D5185(m)	10	0	0	---
Molybdenum	ppm	ASTM D5185(m)	100	65	115	---
Manganese	ppm	ASTM D5185(m)		<1	4	---
Magnesium	ppm	ASTM D5185(m)	450	901	701	---
Calcium	ppm	ASTM D5185(m)	3000	1085	1471	---
Phosphorus	ppm	ASTM D5185(m)	1150	994	702	---
Zinc	ppm	ASTM D5185(m)	1350	1102	774	---
Sulfur	ppm	ASTM D5185(m)	4250	2740	2031	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.4	22.6	---
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	10.7	9.5	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0094633 **Received** : 15 Feb 2024
Lab Number : 02615932 **Tested** : 16 Feb 2024
Unique Number : 5733042 **Diagnosed** : 20 Feb 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: Glycol, KF)

GFL Environmental 791MAT - Matane
 29 rue Brilliant
 Matane, QC
 CA G4W 0J7
 Contact: B Berube
 bberube@matrec.ca

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.