



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
FREIGHTLINER 813084
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 10W30 (34 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		GFL0113469	GFL0091133	PC0069663
Sample Date		Client Info		19 Mar 2024	18 Oct 2023	07 Sep 2023
Machine Age	hrs	Client Info		2049	1465	1243
Oil Age	hrs	Client Info		581	222	600
Filter Age	hrs	Client Info		581	222	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	16	8	24
Chromium	ppm	ASTM D5185(m)	>5	<1	<1	1
Nickel	ppm	ASTM D5185(m)	>2	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>30	8	9	27
Lead	ppm	ASTM D5185(m)	>30	0	0	0
Copper	ppm	ASTM D5185(m)	>150	<1	<1	2
Tin	ppm	ASTM D5185(m)	>5	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

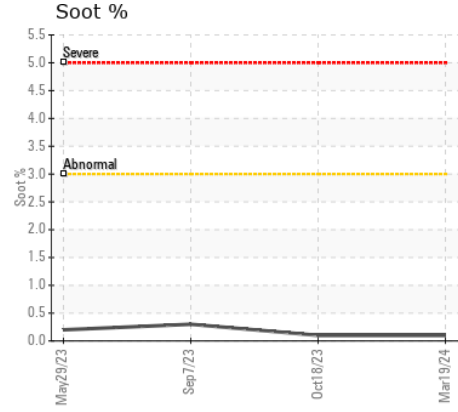
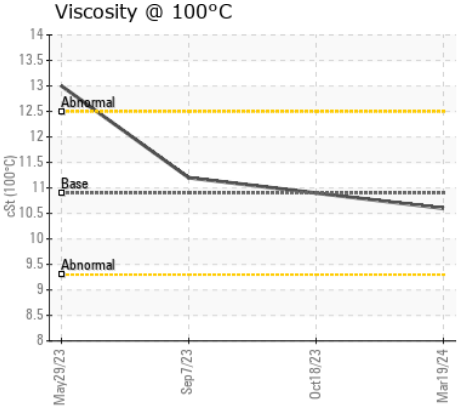
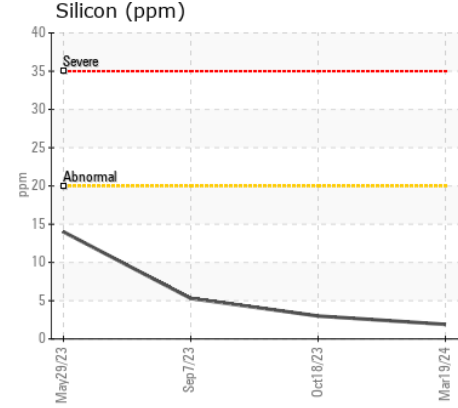
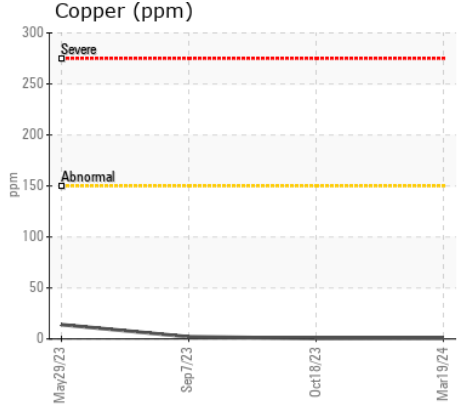
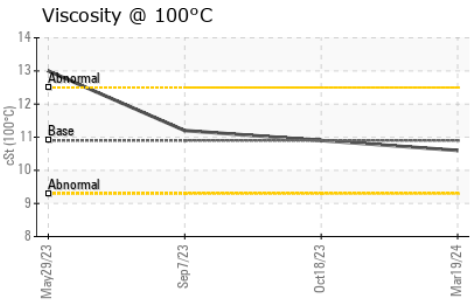
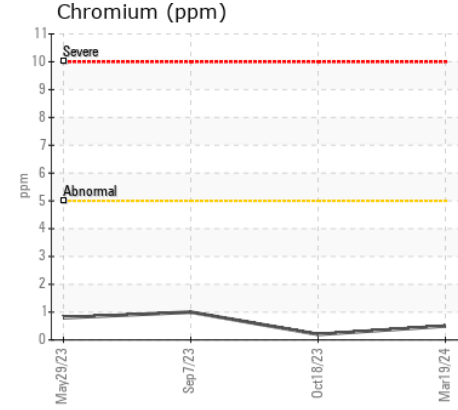
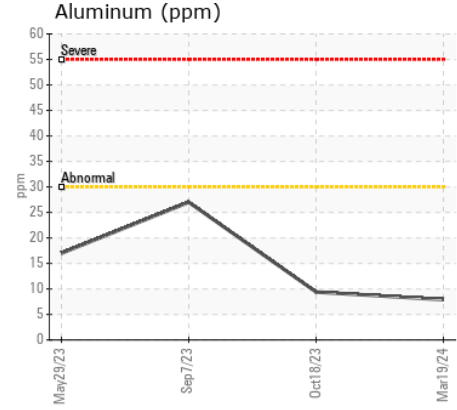
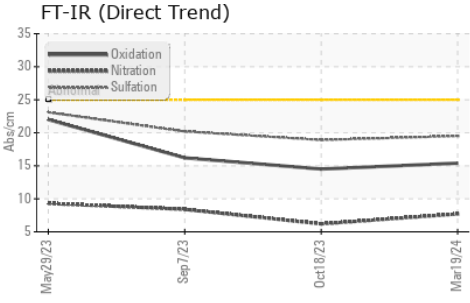
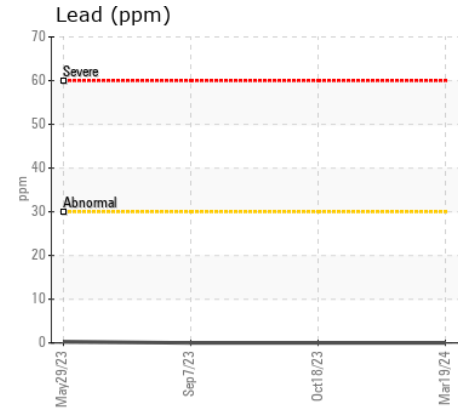
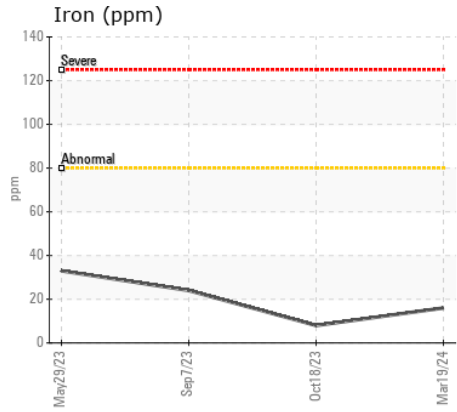
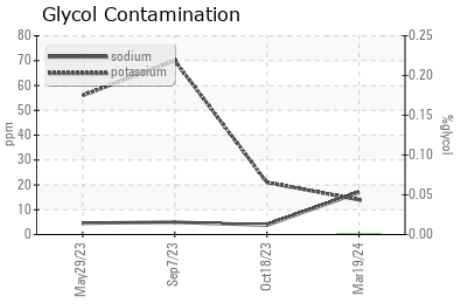
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	2	3	5
Potassium	ppm	ASTM D5185(m)	>20	14	21	70
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	0.1	0.1	0.3
Nitration	Abs/cm	ASTM D7624*	>20	7.7	6.2	8.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.5	18.9	20.2
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)		17	4	5
Boron	ppm	ASTM D5185(m)	250	14	15	18
Barium	ppm	ASTM D5185(m)	10	0	<1	<1
Molybdenum	ppm	ASTM D5185(m)	100	61	61	67
Manganese	ppm	ASTM D5185(m)		0	0	2
Magnesium	ppm	ASTM D5185(m)	450	932	929	948
Calcium	ppm	ASTM D5185(m)	3000	1050	1054	1134
Phosphorus	ppm	ASTM D5185(m)	1150	967	996	1039
Zinc	ppm	ASTM D5185(m)	1350	1169	1153	1175
Sulfur	ppm	ASTM D5185(m)	4250	2459	2506	2481
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.4	14.5	16.2
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	10.6	10.9	11.2



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113469 **Received** : 08 Apr 2024
Lab Number : 02627246 **Tested** : 09 Apr 2024
Unique Number : 5760378 **Diagnosed** : 09 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: Glycol)

GFL Environmental 791MAT - Matane
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 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.