



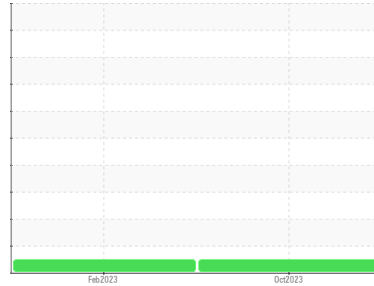
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
732026
 Component
Diesel Engine
 Fluid
CHEVRON DELO 400 LE 15W40 (--- GAL)



DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

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

Contamination

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

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0047476	GFL0072695	---
Sample Date	Client Info		19 Oct 2023	07 Feb 2023	---
Machine Age	kms	Client Info	44656	1002	---
Oil Age	kms	Client Info	0	600	---
Oil Changed	Client Info		N/A	Changed	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	---
Glycol	WC Method		NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>80	21	52	---
Chromium	ppm	ASTM D5185(m)	>5	<1	1	---
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	<1	0	---
Aluminum	ppm	ASTM D5185(m)	>30	2	5	---
Lead	ppm	ASTM D5185(m)	>30	14	3	---
Copper	ppm	ASTM D5185(m)	>150	8	12	---
Tin	ppm	ASTM D5185(m)	>5	1	2	---
Antimony	ppm	ASTM D5185(m)		0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		8	13	---
Barium	ppm	ASTM D5185(m)		1	5	---
Molybdenum	ppm	ASTM D5185(m)		63	106	---
Manganese	ppm	ASTM D5185(m)		<1	4	---
Magnesium	ppm	ASTM D5185(m)		887	719	---
Calcium	ppm	ASTM D5185(m)		1364	1464	---
Phosphorus	ppm	ASTM D5185(m)	1200	759	753	---
Zinc	ppm	ASTM D5185(m)	1300	950	849	---
Sulfur	ppm	ASTM D5185(m)	3200	2094	2295	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>20	21	81	---
Sodium	ppm	ASTM D5185(m)		4	4	---
Potassium	ppm	ASTM D5185(m)	>20	0	4	---

INFRA-RED

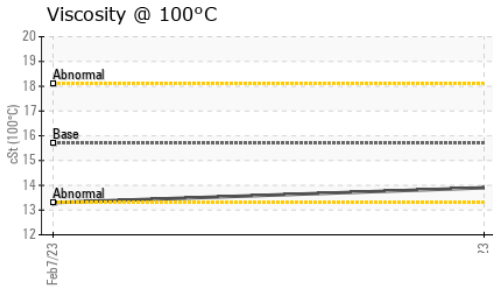
	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	13.4	9.2	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.9	24.5	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	25.6	16.7	---



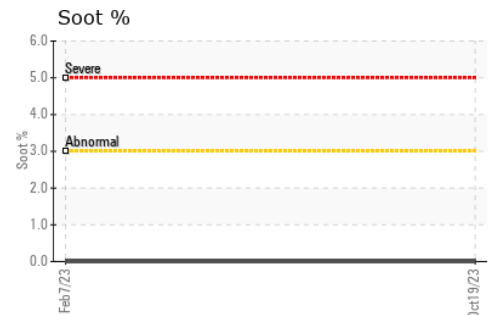
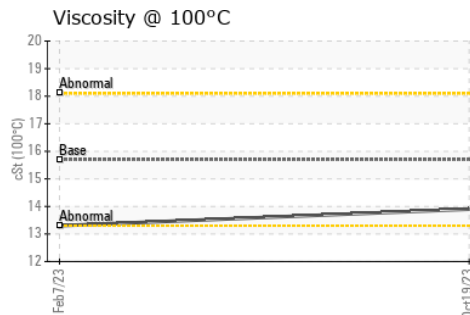
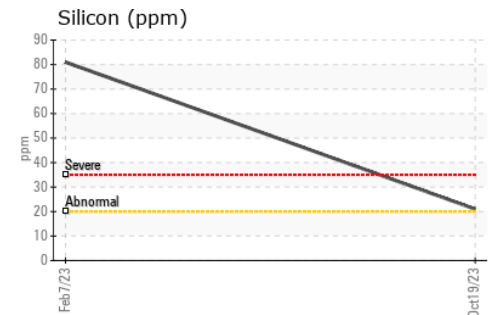
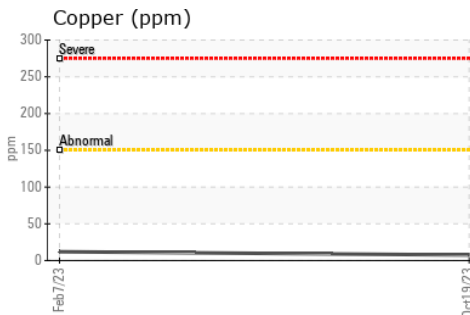
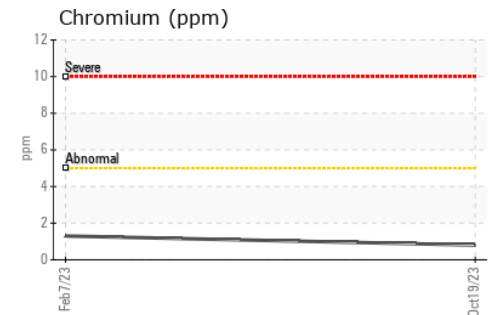
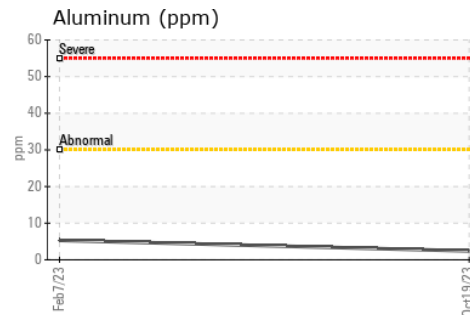
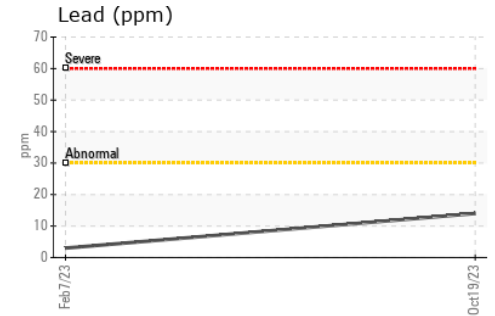
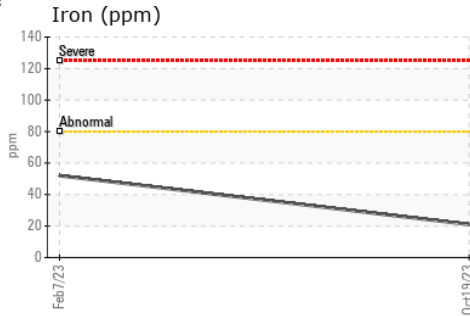
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.7	13.9	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0047476 **Received** : 03 Nov 2023
Lab Number : 02593894 **Diagnosed** : 03 Nov 2023
Unique Number : 5670973 **Diagnostician** : Kevin Marson
Test Package : MOB 1

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.

4365 boul. St-Elzear Ouest,
 Laval, QC
 CA H7P 4J3
 Contact: Pieces Laval
 pieces.laval@gflenv.com
 T: (450)687-3838
 F: