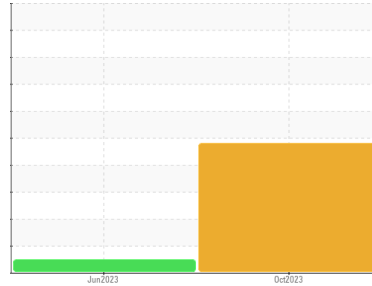




OIL ANALYSIS REPORT

Sample Rating Trend



GLYCOL



Machine Id
7142

Component
Diesel Engine

Fluid
DIESEL ENGINE OIL SAE 10W30 (--- GAL)

DIAGNOSIS

Recommendation

Nous vous recommandons de vérifier la source de la fuite de fluide de refroidissement. Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Wear

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

Contamination

Le test de glycol est positif. Il y a une légère concentration de glycol dans le l'huile.

Fluid Condition

l'huile ne peut plus être utilisée en raison de la présence de contaminants.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0097051	GFL0084437	---
Sample Date	Client Info	16 Oct 2023	08 Jun 2023	---
Machine Age	kms Client Info	302830	5483	---
Oil Age	kms Client Info	0	600	---
Oil Changed	Client Info	Changed	Changed	---
Sample Status		ABNORMAL	NORMAL	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >100	12	21	---
Chromium	ppm ASTM D5185(m) >20	<1	<1	---
Nickel	ppm ASTM D5185(m) >4	0	0	---
Titanium	ppm ASTM D5185(m)	0	<1	---
Silver	ppm ASTM D5185(m) >3	<1	1	---
Aluminum	ppm ASTM D5185(m) >20	6	8	---
Lead	ppm ASTM D5185(m) >40	<1	<1	---
Copper	ppm ASTM D5185(m) >330	21	16	---
Tin	ppm ASTM D5185(m) >15	0	<1	---
Antimony	ppm ASTM D5185(m)	0	0	---
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) 250	29	1	---
Barium	ppm ASTM D5185(m) 10	<1	0	---
Molybdenum	ppm ASTM D5185(m) 100	55	64	---
Manganese	ppm ASTM D5185(m)	0	<1	---
Magnesium	ppm ASTM D5185(m) 450	435	934	---
Calcium	ppm ASTM D5185(m) 3000	1706	1090	---
Phosphorus	ppm ASTM D5185(m) 1150	766	1073	---
Zinc	ppm ASTM D5185(m) 1350	896	1164	---
Sulfur	ppm ASTM D5185(m) 4250	2167	2528	---
Lithium	ppm ASTM D5185(m)	<1	<1	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	11	6	---
Sodium	ppm ASTM D5185(m)	▲ 217	66	---
Potassium	ppm ASTM D5185(m) >20	▲ 46	37	---
Glycol	% ASTM D7922*	▲ 0.011	0.0	---

INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	0.3	0.3	---
Nitration	Abs/cm ASTM D7624* >20	7.1	7.2	---
Sulfation	Abs/.1mm ASTM D7415* >30	21.1	19.4	---

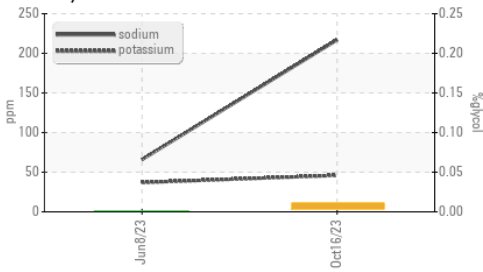
FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414* >25	17.4	14.5	---



OIL ANALYSIS REPORT

▲ Glycol Contamination

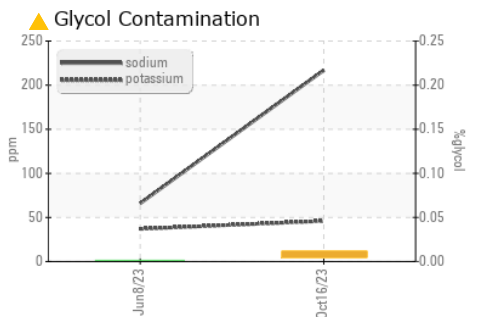
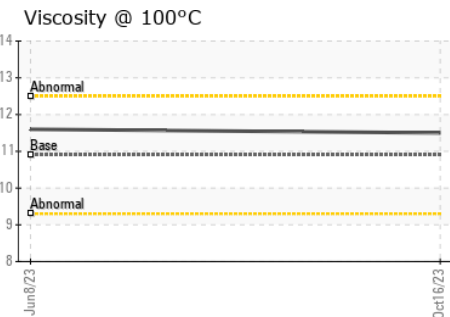
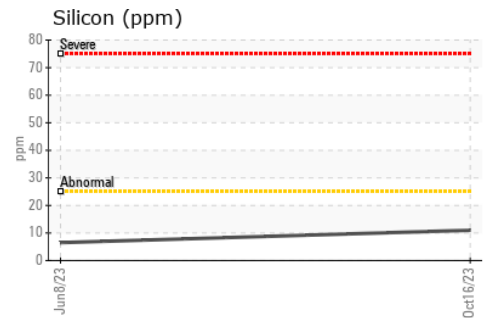
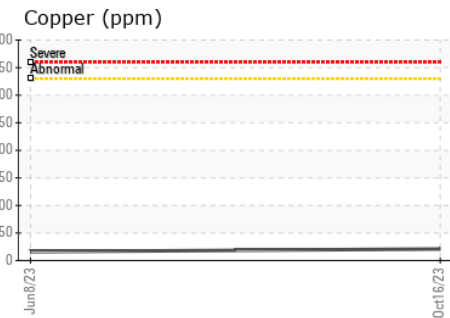
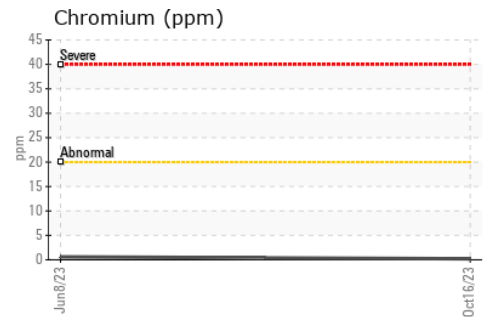
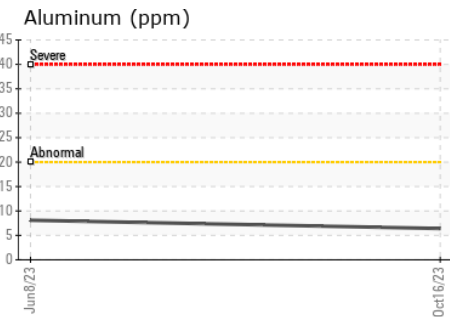
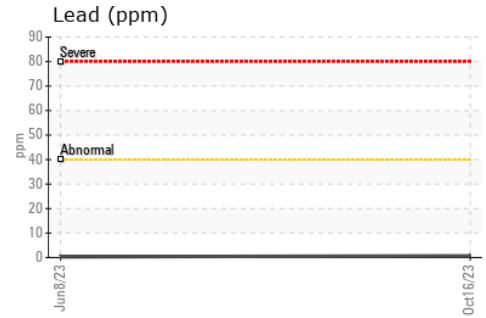
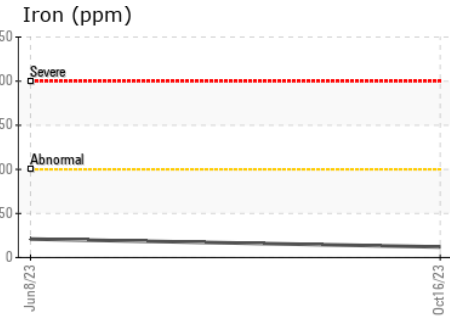
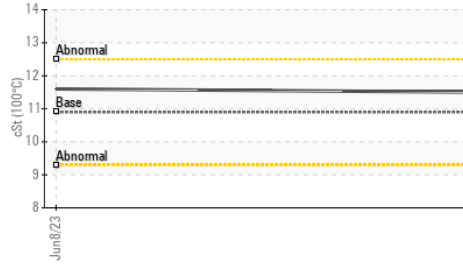


VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.5	11.6

GRAPHS

Viscosity @ 100°C



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0097051 **Received** : 23 Oct 2023 4365 boul. St-Elzear Ouest, Laval, QC
Lab Number : 02590899 **Diagnosed** : 24 Oct 2023 CA H7P 4J3
Unique Number : 5667978 **Diagnostician** : Kevin Marson
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.

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