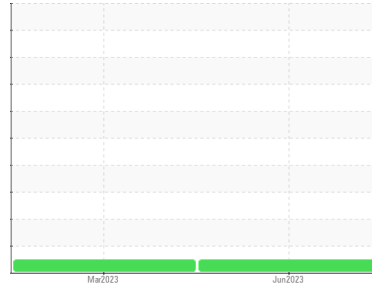




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
CAPLAN
 Machine Id
#913136
 Component
Front Diesel Engine
 Fluid
NOT GIVEN (38 LTR)

DIAGNOSIS

Recommendation

Aucune mesure corrective n'est recommandée pour l'instant. 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

La teneur en carburant est négligeable. Il n'y a aucun indice de contamination dans l'huile.

Fluid Condition

La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	GFL0079109	GFL0079115	---
Sample Date	Client Info	27 Jun 2023	27 Mar 2023	---
Machine Age	hrs	918	495	---
Oil Age	hrs	423	495	---
Oil Changed	Client Info	Changed	Changed	---
Sample Status		NORMAL	NORMAL	---

CONTAMINATION

method	limit/base	current	history 1	history 2
Glycol	WC Method	NEG	NEG	---

WEAR METALS

method	limit/base	current	history 1	history 2	
Iron	ppm	ASTM D5185(m) >120	15	34	---
Chromium	ppm	ASTM D5185(m) >20	<1	<1	---
Nickel	ppm	ASTM D5185(m) >5	8	14	---
Titanium	ppm	ASTM D5185(m) >2	<1	<1	---
Silver	ppm	ASTM D5185(m) >2	1	1	---
Aluminum	ppm	ASTM D5185(m) >20	2	6	---
Lead	ppm	ASTM D5185(m) >40	5	3	---
Copper	ppm	ASTM D5185(m) >330	197	123	---
Tin	ppm	ASTM D5185(m) >15	2	4	---
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	history 1	history 2	
Boron	ppm	ASTM D5185(m)	33	236	---
Barium	ppm	ASTM D5185(m)	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	73	110	---
Manganese	ppm	ASTM D5185(m)	1	5	---
Magnesium	ppm	ASTM D5185(m)	641	651	---
Calcium	ppm	ASTM D5185(m)	1427	1553	---
Phosphorus	ppm	ASTM D5185(m)	1009	715	---
Zinc	ppm	ASTM D5185(m)	1114	783	---
Sulfur	ppm	ASTM D5185(m)	2589	2020	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

method	limit/base	current	history 1	history 2	
Silicon	ppm	ASTM D5185(m) >25	11	58	---
Sodium	ppm	ASTM D5185(m)	1	4	---
Potassium	ppm	ASTM D5185(m) >20	2	7	---
Fuel	%	ASTM D7593* >3.0	0.6	0.6	---

INFRA-RED

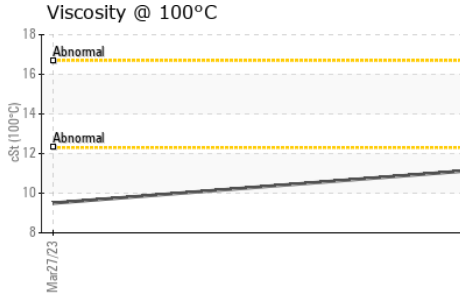
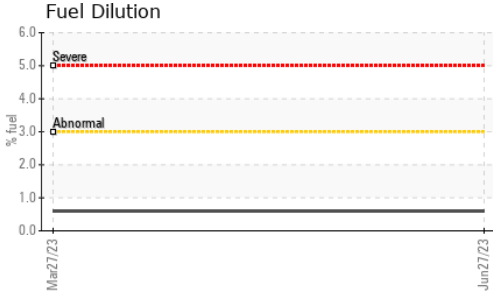
method	limit/base	current	history 1	history 2	
Soot %	%	ASTM D7844* >4	0.2	0	---
Nitration	Abs/cm	ASTM D7624* >20	9.1	9.4	---
Sulfation	Abs/.1mm	ASTM D7415* >30	19.9	27.5	---

FLUID DEGRADATION

method	limit/base	current	history 1	history 2	
Oxidation	Abs/.1mm	ASTM D7414* >25	15.5	22.6	---



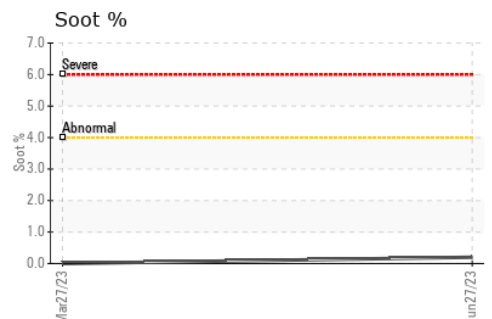
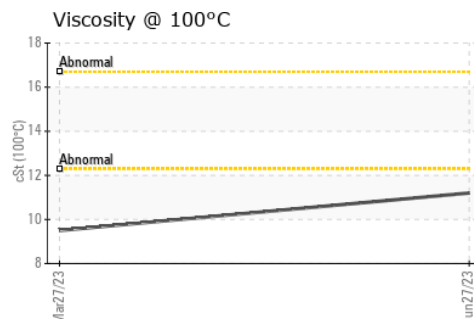
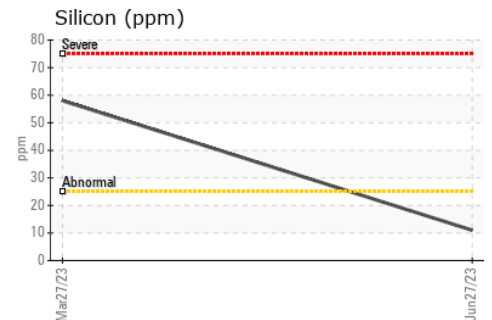
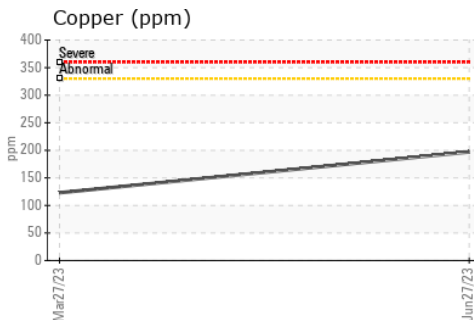
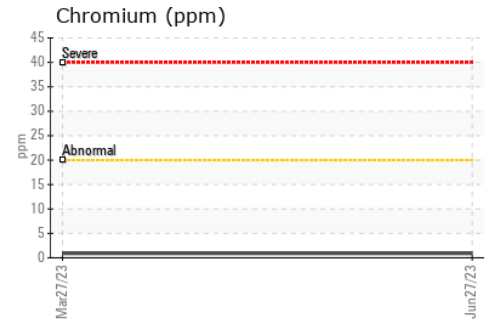
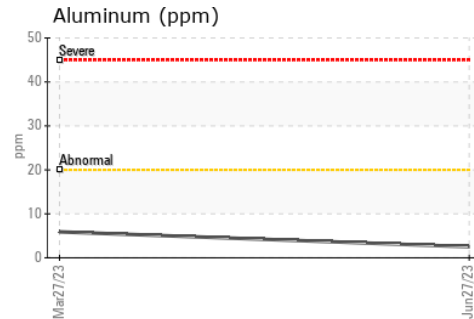
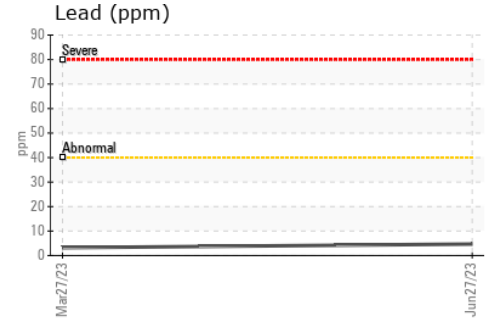
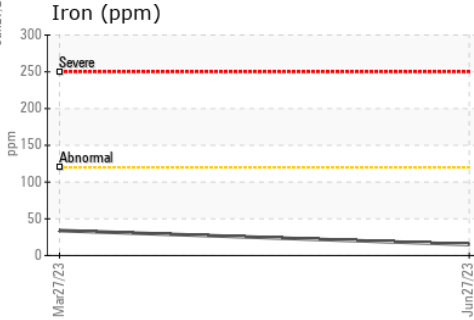
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history 1	history 2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 100°C	cSt	ASTM D7279(m)	11.2	9.5	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0079109 **Received** : 06 Jul 2023
Lab Number : 02568146 **Diagnosed** : 07 Jul 2023
Unique Number : 5605192 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

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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