



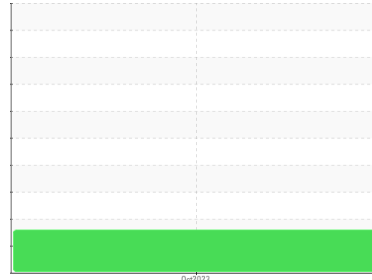
OIL ANALYSIS REPORT

Sample Rating Trend

DIRT



Machine Id
833086
 Component
Diesel Engine
 Fluid
NOT GIVEN (--- GAL)



DIAGNOSIS

Recommendation

Nous vous recommandons de vérifier le filtre à air, le système d'induction d'air et tout endroit où la saleté peut entrer dans le composant. Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous recommandons le remplacement des filtres de ce composant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

Wear

Les taux d'usure de tous les composants sont normaux. Nous avons supposé que ce composant n'est pas en rodage (âge du composant non indiqué).

Contamination

Concentration modérée de saleté dans 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	GFL0087615	---	---
Sample Date	Client Info	23 Oct 2023	---	---
Machine Age	hrs	Client Info	0	---
Oil Age	hrs	Client Info	600	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>80	58	---
Chromium	ppm	ASTM D5185(m)	>5	1	---
Nickel	ppm	ASTM D5185(m)	>2	1	---
Titanium	ppm	ASTM D5185(m)		0	---
Silver	ppm	ASTM D5185(m)	>3	<1	---
Aluminum	ppm	ASTM D5185(m)	>30	6	---
Lead	ppm	ASTM D5185(m)	>30	2	---
Copper	ppm	ASTM D5185(m)	>150	18	---
Tin	ppm	ASTM D5185(m)	>5	2	---
Antimony	ppm	ASTM D5185(m)		0	---
Vanadium	ppm	ASTM D5185(m)		0	---
Beryllium	ppm	ASTM D5185(m)		0	---
Cadmium	ppm	ASTM D5185(m)		0	---

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		6	---
Barium	ppm	ASTM D5185(m)		4	---
Molybdenum	ppm	ASTM D5185(m)		102	---
Manganese	ppm	ASTM D5185(m)		13	---
Magnesium	ppm	ASTM D5185(m)		699	---
Calcium	ppm	ASTM D5185(m)		1246	---
Phosphorus	ppm	ASTM D5185(m)		691	---
Zinc	ppm	ASTM D5185(m)		843	---
Sulfur	ppm	ASTM D5185(m)		2060	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>20	▲ 31	---
Sodium	ppm	ASTM D5185(m)		5	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---

INFRA-RED

method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	0	---
Nitration	Abs/cm	ASTM D7624*	>20	11.3	---
Sulfation	Abs./1mm	ASTM D7415*	>30	25.1	---

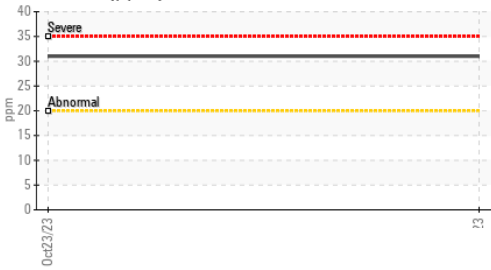
FLUID DEGRADATION

method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	22.2	---



OIL ANALYSIS REPORT

▲ Silicon (ppm)

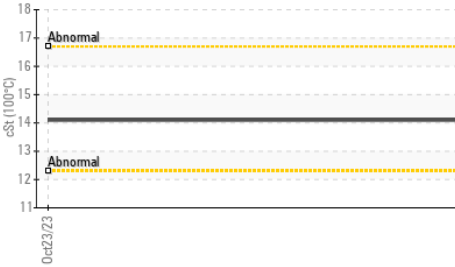


VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

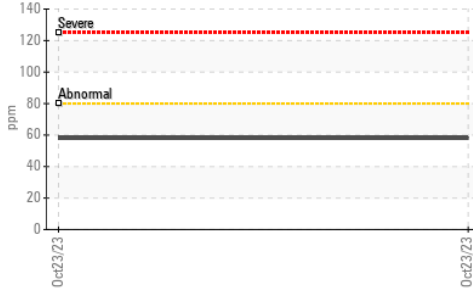
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.1	---	---

GRAPHS

Viscosity @ 100°C



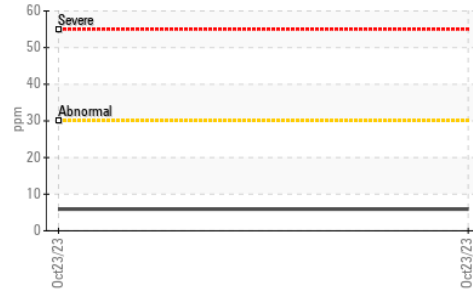
Iron (ppm)



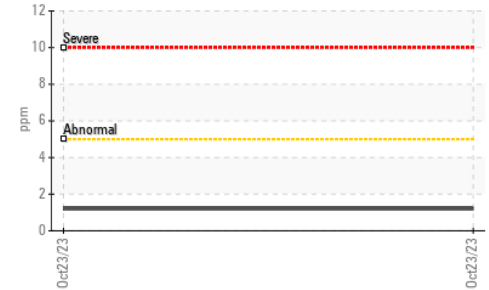
Lead (ppm)



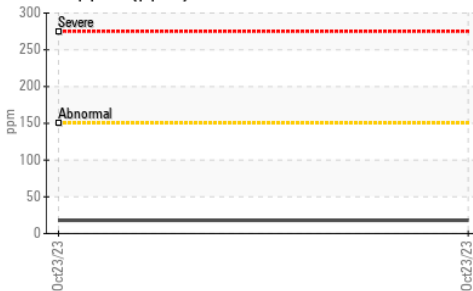
Aluminum (ppm)



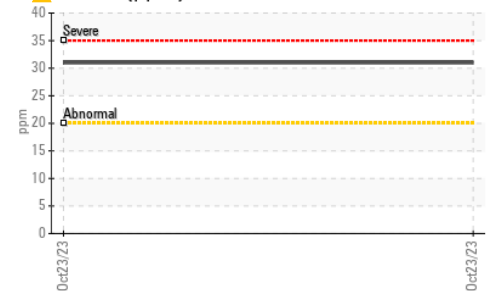
Chromium (ppm)



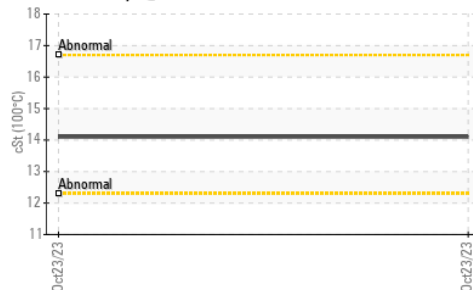
Copper (ppm)



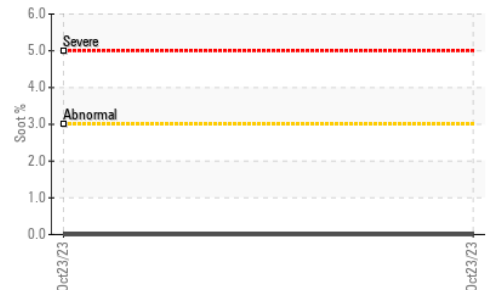
▲ Silicon (ppm)



Viscosity @ 100°C



Soot %



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 747 - GMA - Solid Waste
Sample No. : GFL0087615 **Received** : 26 Oct 2023
Lab Number : 02591968 **Diagnosed** : 26 Oct 2023
Unique Number : 5669047 **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.

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