OIL ANALYSIS REPORT

Sample Rating Trend

DIRT

Machine Id
001554
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 avons pris note que la vidange d`huile a été effectuée au moment de l`échantillonnage. 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 autres composants sont normaux.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Les niveaux élémentaires de silicone (Si) et d`aluminium (Al) indiquent l`infiltration d`alumine-silicate (grosses particules de poussière).

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		**GFL0047480**	---	---
Sample Date		Client Info		**12 Oct 2023**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**Changed**	---	---
Sample Status				**ABNORMAL**	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	**<1.0**	---	---
Glycol		WC Method		**NEG**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>120	**56**	---	---
Chromium	ppm	ASTM D5185(m)	>20	**2**	---	---
Nickel	ppm	ASTM D5185(m)	>5	**2**	---	---
Titanium	ppm	ASTM D5185(m)	>2	**0**	---	---
Silver	ppm	ASTM D5185(m)	>2	**<1**	---	---
Aluminum	ppm	ASTM D5185(m)	>20	**12**	---	---
Lead	ppm	ASTM D5185(m)	>40	**3**	---	---
Copper	ppm	ASTM D5185(m)	>330	**21**	---	---
Tin	ppm	ASTM D5185(m)	>15	**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)		**3**	---	---
Molybdenum	ppm	ASTM D5185(m)		**59**	---	---
Manganese	ppm	ASTM D5185(m)		**12**	---	---
Magnesium	ppm	ASTM D5185(m)		**840**	---	---
Calcium	ppm	ASTM D5185(m)		**1282**	---	---
Phosphorus	ppm	ASTM D5185(m)		**727**	---	---
Zinc	ppm	ASTM D5185(m)		**907**	---	---
Sulfur	ppm	ASTM D5185(m)		**1897**	---	---
Lithium	ppm	ASTM D5185(m)		**<1**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	**28**	---	---
Sodium	ppm	ASTM D5185(m)		**7**	---	---
Potassium	ppm	ASTM D5185(m)	>20	**15**	---	---

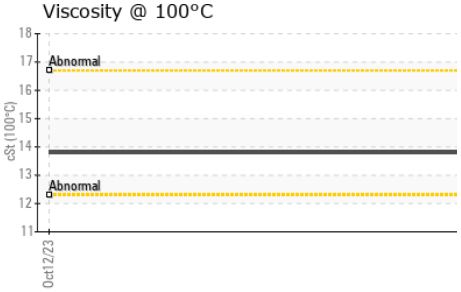
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	**0**	---	---
Nitration	Abs/cm	ASTM D7624*	>20	**13.1**	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	**26.6**	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**24.4**	---	---

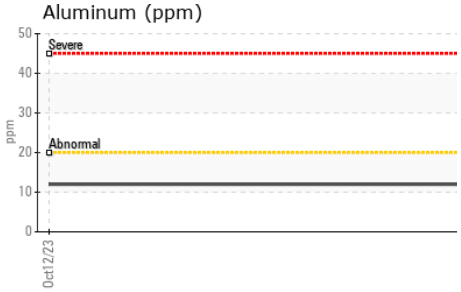
OIL ANALYSIS REPORT

Silicon (ppm)

Viscosity @ 100°C



Aluminum (ppm)

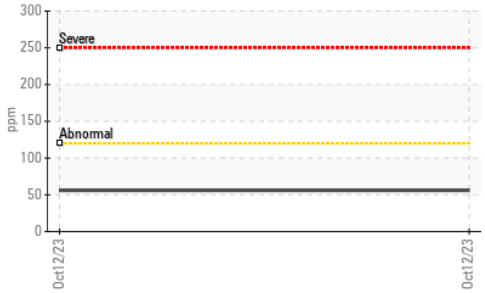


VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	**NEG**	---	---
Free Water	scalar	Visual*		**NEG**	---	---

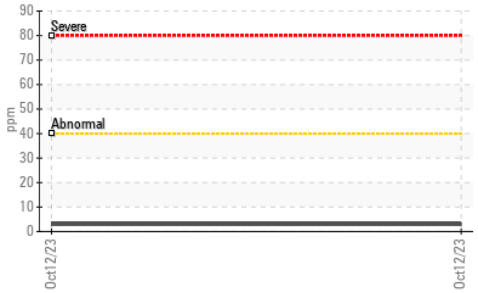
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)		**13.8**	---	---

GRAPHS

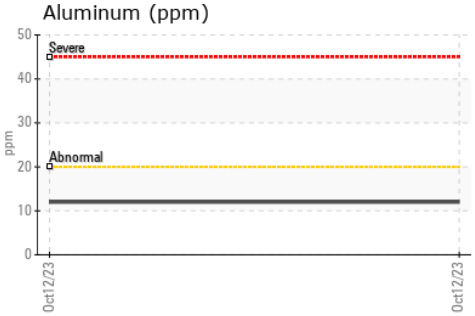
Iron (ppm)



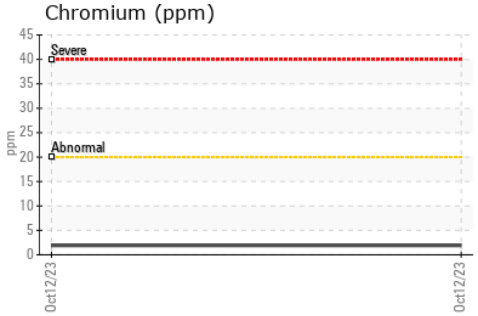
Lead (ppm)



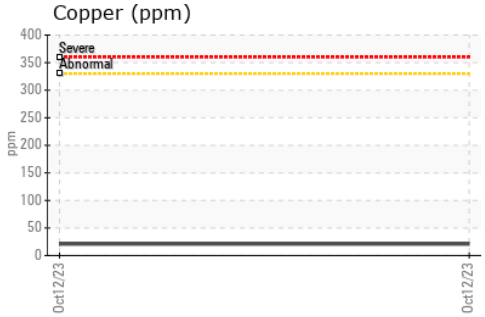
Aluminum (ppm)



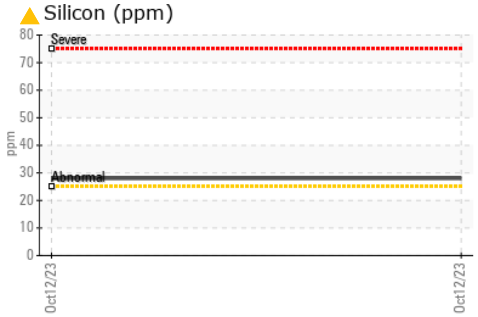
Chromium (ppm)



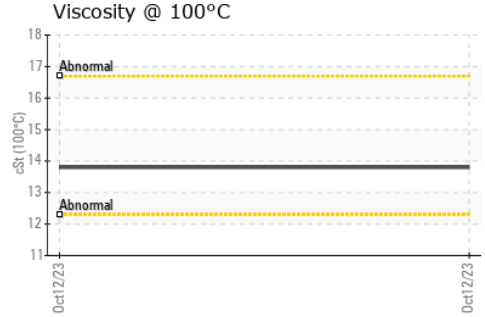
Copper (ppm)



Silicon (ppm)



Viscosity @ 100°C



Soot %

ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0047480
Lab Number : 02591937
Unique Number : 5669016
Test Package : MOB 1

Received : 26 Oct 2023
Diagnosed : 26 Oct 2023
Diagnostician : Kevin Marson

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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