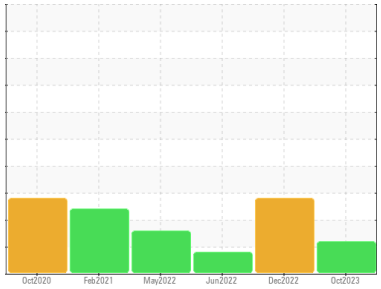
OIL ANALYSIS REPORT

Sample Rating Trend



FUEL

Area
[73128]
Machine Id
301055
Component
Diesel Engine
Fluid
APRIL SUPERFLO HYPER SYN 5W30 (7 LTR)

DIAGNOSIS

Recommendation

Nous avons pris note que la vidange d`huile a été effectuée au moment de l`échantillonnage. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

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

Contamination

Légère dilution de carburant dans l'huile.

Fluid Condition

Il y a du carburant dans l'huile, ce qui réduit la viscosité. L'état de l'huile est acceptable pour la durée de service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**GFL0071093**	GFL0028070	GFL0028041
Sample Date		Client Info		**11 Oct 2023**	21 Dec 2022	30 Jun 2022
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**693**	427	100
Oil Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**ABNORMAL**	ABNORMAL	MARGINAL

CONTAMINATION	method	limit/base	current	history1	history2
Glycol	WC Method		**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	**20**	18	10
Chromium	ppm	ASTM D5185(m)	>20	**<1**	1	<1
Nickel	ppm	ASTM D5185(m)	>2	**<1**	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	**0**	<1	0
Silver	ppm	ASTM D5185(m)	>2	**<1**	0	0
Aluminum	ppm	ASTM D5185(m)	>25	**3**	4	1
Lead	ppm	ASTM D5185(m)	>40	**<1**	<1	<1
Copper	ppm	ASTM D5185(m)	>330	**23**	26	12
Tin	ppm	ASTM D5185(m)	>15	**2**	2	<1
Antimony	ppm	ASTM D5185(m)		**0**	0	0
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Beryllium	ppm	ASTM D5185(m)		**0**	0	0
Cadmium	ppm	ASTM D5185(m)		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**13**	16	18
Barium	ppm	ASTM D5185(m)		**<1**	0	0
Molybdenum	ppm	ASTM D5185(m)		**76**	69	70
Manganese	ppm	ASTM D5185(m)		**<1**	<1	<1
Magnesium	ppm	ASTM D5185(m)		**443**	494	426
Calcium	ppm	ASTM D5185(m)		**1107**	998	1133
Phosphorus	ppm	ASTM D5185(m)		**656**	708	622
Zinc	ppm	ASTM D5185(m)		**738**	734	700
Sulfur	ppm	ASTM D5185(m)		**1773**	2220	1674
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	**19**	▲ 26	13
Sodium	ppm	ASTM D5185(m)		**3**	6	2
Potassium	ppm	ASTM D5185(m)	>20	**<1**	1	3
Fuel	%	ASTM D7593*	>5	▲ **3.6**	▲ 4.9	▲ 2.5

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	**0**	0	0
Nitration	Abs/cm	ASTM D7624*	>20	**12.3**	12.6	10.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	**23.9**	27.1	19.9

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**17.2**	20.5	12.3

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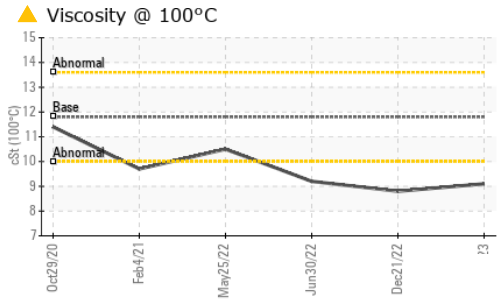
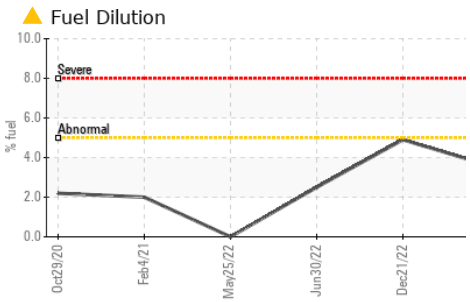
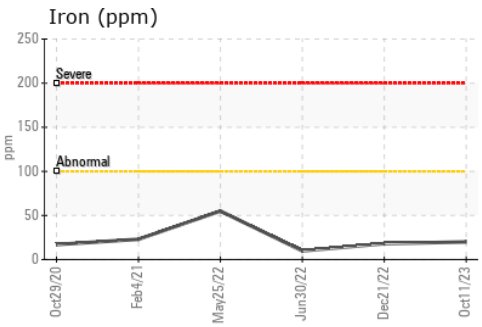


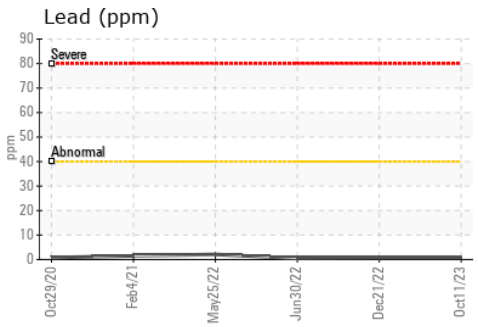


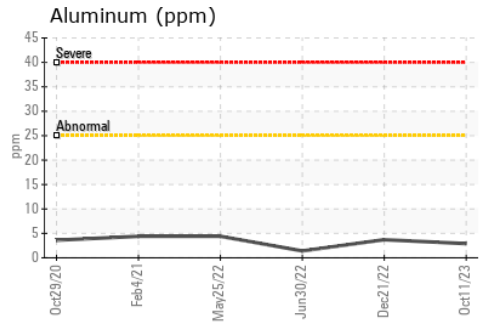
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

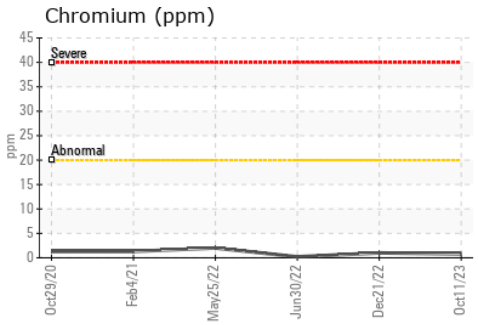
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	11.8	▲ **9.1**	▲ 8.8	9.2

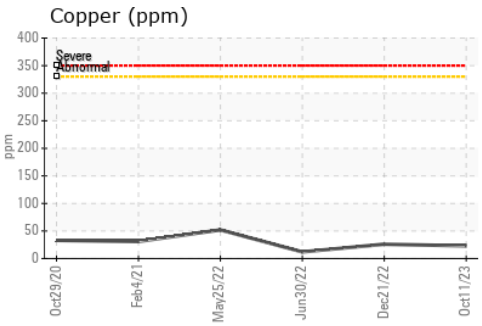
GRAPHS

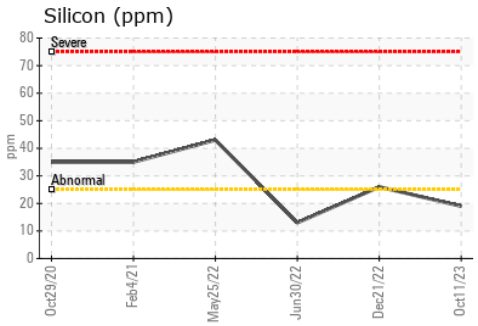


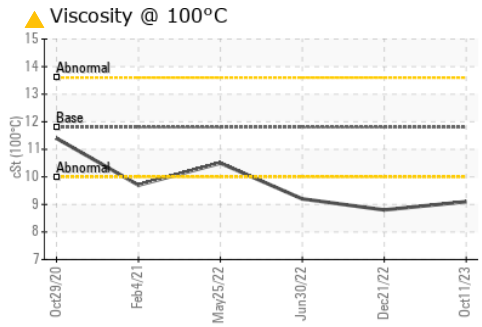


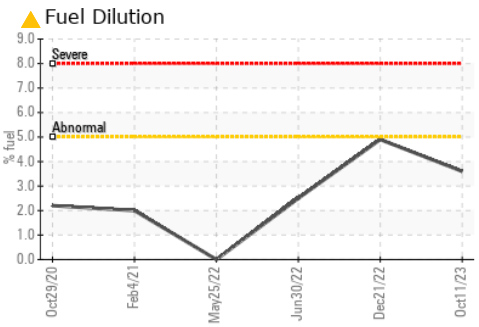












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0071093
Lab Number : 02588865
Unique Number : 5657931
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

Received : 13 Oct 2023
Diagnosed : 16 Oct 2023
Diagnostician : Wes Davis

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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