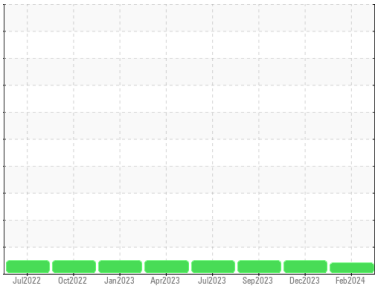
OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY

Machine Id
711013
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

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 d`usure de tous les composants sont normaux.

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	history1	history2
Sample Number		Client Info		**GFL0107605**	GFL0096392	GFL0088902
Sample Date		Client Info		**27 Feb 2024**	14 Dec 2023	21 Sep 2023
Machine Age	kms	Client Info		**120796**	5846	101457
Oil Age	kms	Client Info		**0**	600	0
Oil Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**ABNORMAL**	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	**NEG**	NEG	NEG
Glycol		WC Method		**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>120	**8**	8	5
Chromium	ppm	ASTM D5185(m)	>20	**0**	0	0
Nickel	ppm	ASTM D5185(m)	>5	**<1**	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	**0**	0	0
Silver	ppm	ASTM D5185(m)	>2	**0**	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	**2**	2	2
Lead	ppm	ASTM D5185(m)	>40	**<1**	<1	<1
Copper	ppm	ASTM D5185(m)	>330	**2**	2	1
Tin	ppm	ASTM D5185(m)	>15	**<1**	<1	<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)	250	**1**	2	2
Barium	ppm	ASTM D5185(m)	10	**0**	<1	<1
Molybdenum	ppm	ASTM D5185(m)	100	**59**	58	57
Manganese	ppm	ASTM D5185(m)		**0**	0	0
Magnesium	ppm	ASTM D5185(m)	450	**967**	926	929
Calcium	ppm	ASTM D5185(m)	3000	**1110**	1077	1134
Phosphorus	ppm	ASTM D5185(m)	1150	**1021**	936	1030
Zinc	ppm	ASTM D5185(m)	1350	**1205**	1164	1187
Sulfur	ppm	ASTM D5185(m)	4250	**2675**	2386	2532
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	**3**	3	3
Sodium	ppm	ASTM D5185(m)	>158	**2**	1	2
Potassium	ppm	ASTM D5185(m)	>20	**3**	2	4
Fuel	%	ASTM D7593*	>3.0	**0.6**	<1.0	<1.0

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>4	**0.1**	0.1	0
Nitration	Abs/cm	ASTM D7624*	>20	**8.5**	8.4	6.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	**19.4**	19.3	18.8

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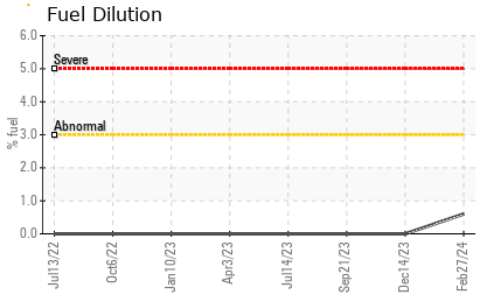
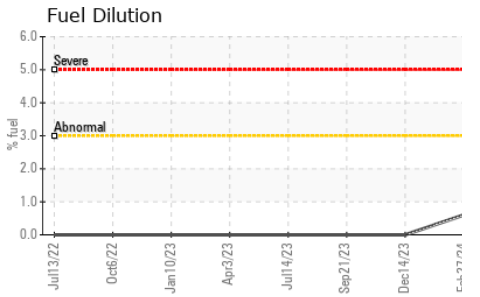


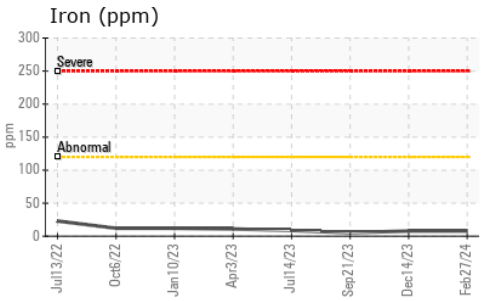


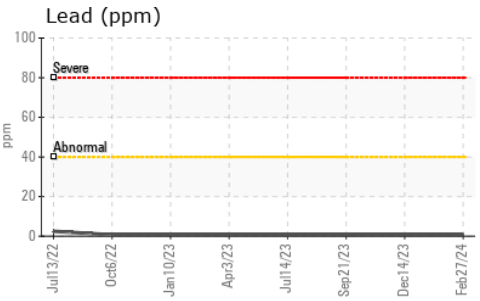
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**16.0**	15.7	14.4

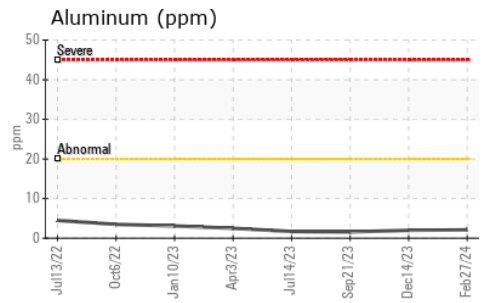
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

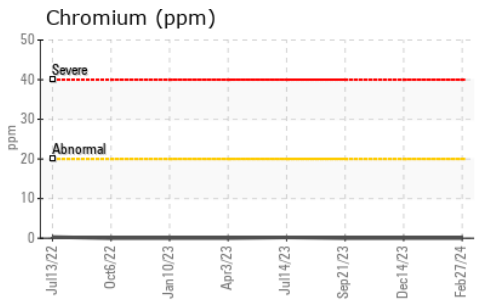
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	▲ **11.7**	11.6	11.3

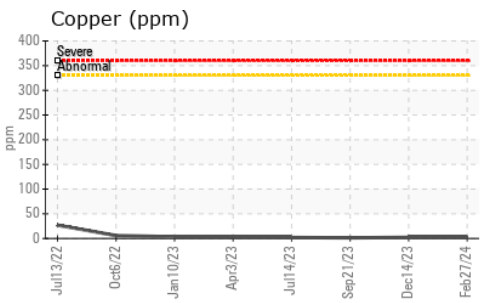
GRAPHS

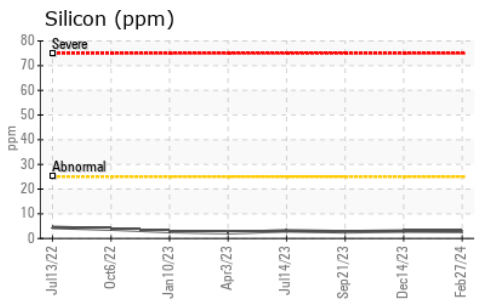


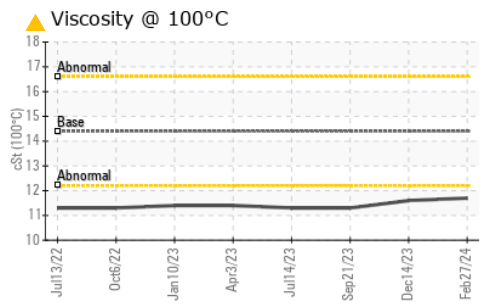


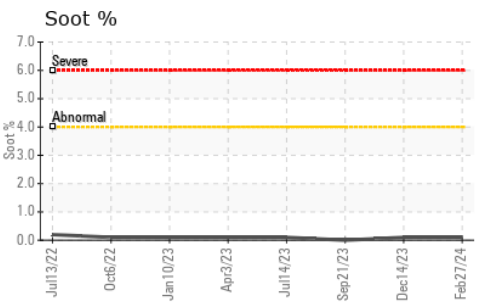












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107605
Lab Number : 02619777
Unique Number : 5736887
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

Received : 04 Mar 2024
Tested : 05 Mar 2024
Diagnosed : 06 Mar 2024 - 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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