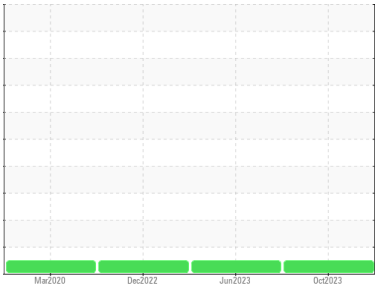
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
7149
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 10W30 (--- GAL)

DIAGNOSIS

Recommendation
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
Il n`y a aucun indice de contamination dans l'huile.

Fluid Condition
L'état de l'huile est acceptable pour la durée de service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**GFL0097095**	GFL0047520	GFL0062142
Sample Date		Client Info		**03 Oct 2023**	08 Jun 2023	15 Dec 2022
Machine Age	kms	Client Info		**872954**	87295	82282
Oil Age	kms	Client Info		**0**	600	0
Oil Changed		Client Info		**Changed**	Changed	N/A
Sample Status				**NORMAL**	NORMAL	NORMAL

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>65	**12**	7	14
Chromium	ppm	ASTM D5185(m)	>5	**<1**	<1	<1
Nickel	ppm	ASTM D5185(m)	>3	**<1**	0	0
Titanium	ppm	ASTM D5185(m)	>5	**0**	<1	<1
Silver	ppm	ASTM D5185(m)	>2	**<1**	0	0
Aluminum	ppm	ASTM D5185(m)	>35	**2**	2	4
Lead	ppm	ASTM D5185(m)	>10	**<1**	0	0
Copper	ppm	ASTM D5185(m)	>180	**2**	1	2
Tin	ppm	ASTM D5185(m)	>8	**<1**	<1	<1
Antimony	ppm	ASTM D5185(m)	>35	**0**	<1	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	**2**	4	9
Barium	ppm	ASTM D5185(m)	10	**<1**	0	0
Molybdenum	ppm	ASTM D5185(m)	100	**61**	58	67
Manganese	ppm	ASTM D5185(m)		**0**	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	**985**	941	730
Calcium	ppm	ASTM D5185(m)	3000	**1131**	1130	1392
Phosphorus	ppm	ASTM D5185(m)	1150	**974**	1070	1035
Zinc	ppm	ASTM D5185(m)	1350	**1232**	1213	1182
Sulfur	ppm	ASTM D5185(m)	4250	**2416**	2654	2532
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	**3**	2	3
Sodium	ppm	ASTM D5185(m)		**4**	3	10
Potassium	ppm	ASTM D5185(m)	>20	**<1**	1	<1

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	**0.5**	0.2	0.4
Nitration	Abs/cm	ASTM D7624*	>20	**7.7**	6.2	8.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	**19.9**	18.4	21.1

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**14.7**	13.7	15.6

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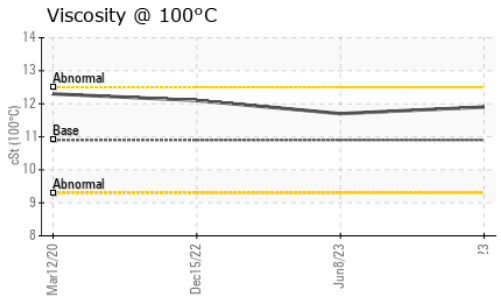
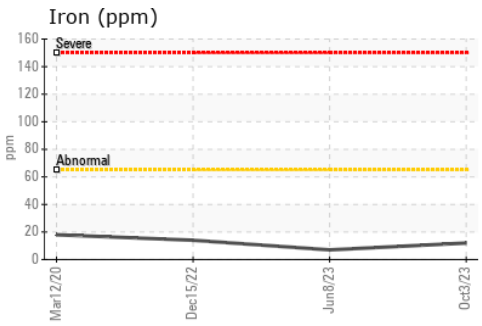
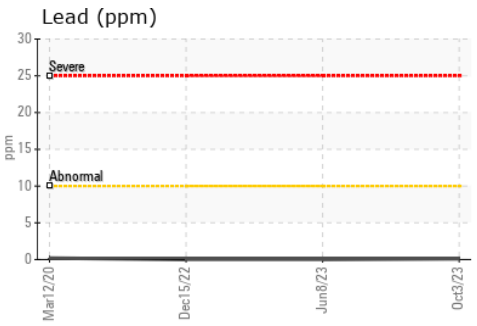


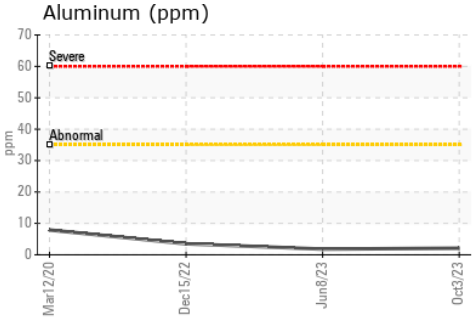
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

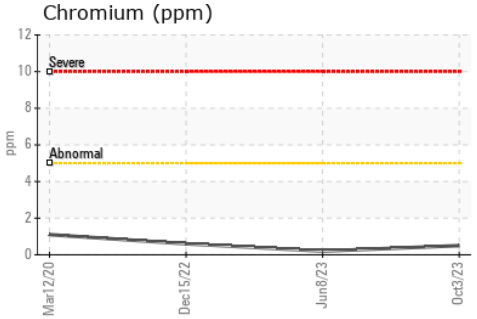
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	**11.9**	11.7	12.1

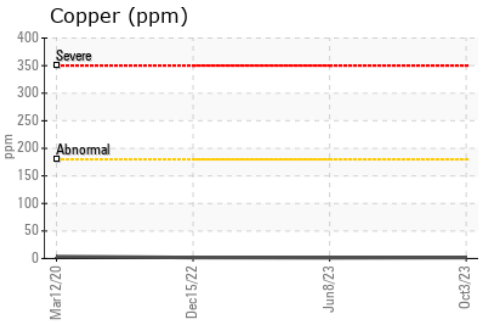
GRAPHS

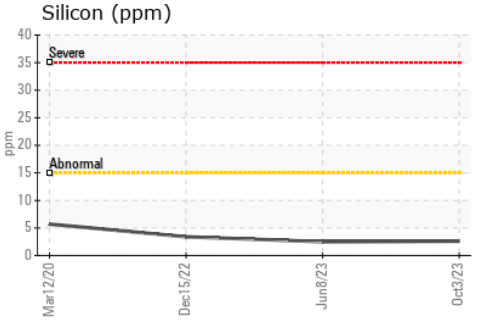


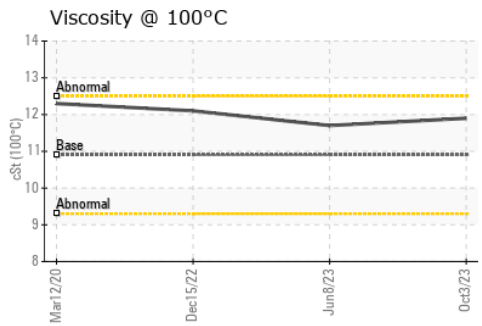


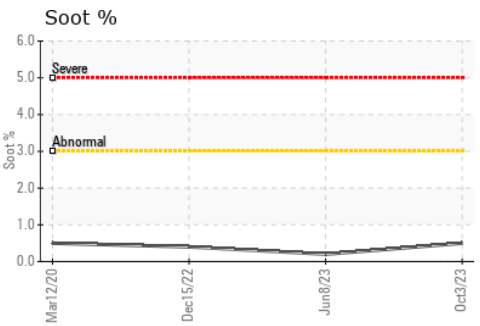












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0097095
Lab Number : 02588852
Unique Number : 5657918
Test Package : MOB 1

Received : 13 Oct 2023
Diagnosed : 13 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.

GFL Environmental - 780 - GMA - ICI - Solid Waste
4365 boul. St-Elzear Ouest,
Laval, QC
CA H7P 4J3
Contact: Pieces Laval
pieces.laval@gflenv.com
T: (450)687-3838
F: