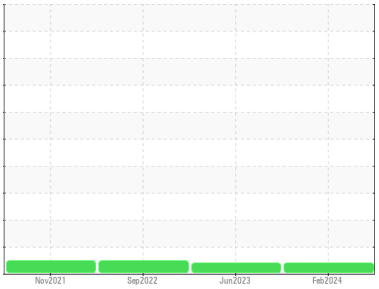
OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY

Machine Id
OR877
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 40 (--- 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		**GFL0089246**	GFL0061623	PC0027855
Sample Date		Client Info		**29 Feb 2024**	22 Jun 2023	29 Sep 2022
Machine Age	hrs	Client Info		**8249**	7315	6635
Oil Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ABNORMAL**	ABNORMAL	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)	>66	**6**	8	8
Chromium	ppm	ASTM D5185(m)	>4	**0**	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	**<1**	0	0
Titanium	ppm	ASTM D5185(m)		**0**	<1	<1
Silver	ppm	ASTM D5185(m)	>3	**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>8	**1**	2	2
Lead	ppm	ASTM D5185(m)	>10	**1**	<1	2
Copper	ppm	ASTM D5185(m)	>74	**<1**	1	2
Tin	ppm	ASTM D5185(m)	>4	**0**	<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	**35**	30	2
Barium	ppm	ASTM D5185(m)	10	**0**	0	0
Molybdenum	ppm	ASTM D5185(m)	100	**56**	59	62
Manganese	ppm	ASTM D5185(m)		**0**	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	**1077**	1159	1011
Calcium	ppm	ASTM D5185(m)	3000	**827**	873	1157
Phosphorus	ppm	ASTM D5185(m)	1150	**984**	1093	1046
Zinc	ppm	ASTM D5185(m)	1350	**1158**	1259	1238
Sulfur	ppm	ASTM D5185(m)	4250	**2791**	2740	2484
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	**5**	10	8
Sodium	ppm	ASTM D5185(m)	>216	**3**	4	2
Potassium	ppm	ASTM D5185(m)	>20	**<1**	1	0
Fuel	%	ASTM D7593*	>5	**0.6**	0.5	<1.0

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	**0**	0	0
Nitration	Abs/cm	ASTM D7624*	>20	**7.9**	8.7	7.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	**19.4**	20.4	20.1

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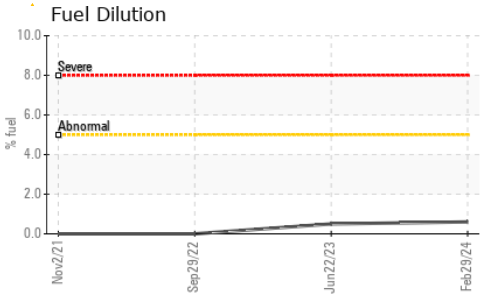
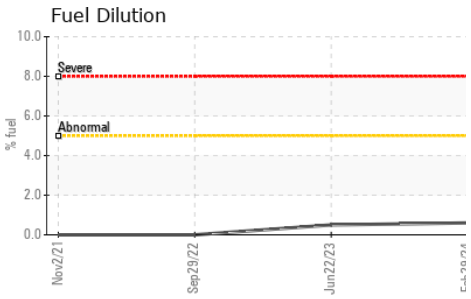


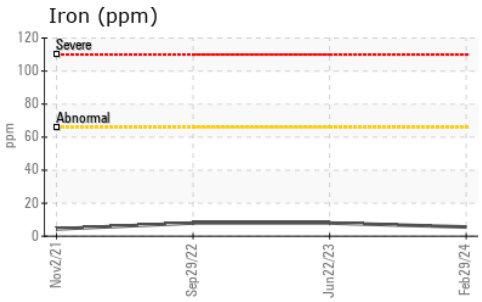


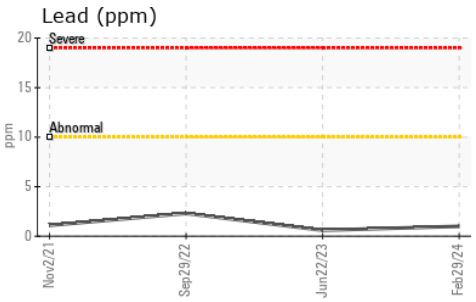
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**17.3**	18.7	16.9

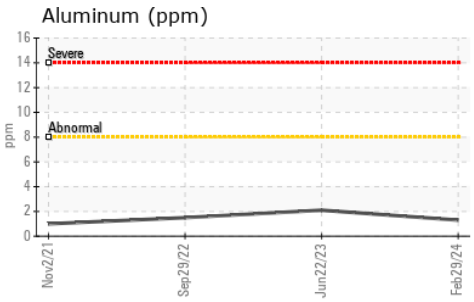
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

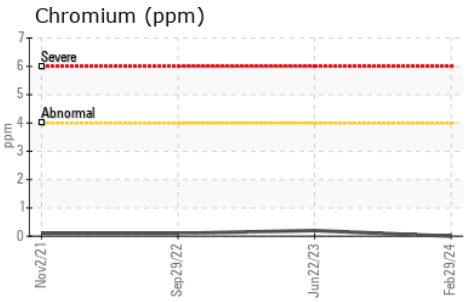
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	▲ **11.4**	▲ 11.7	12.3

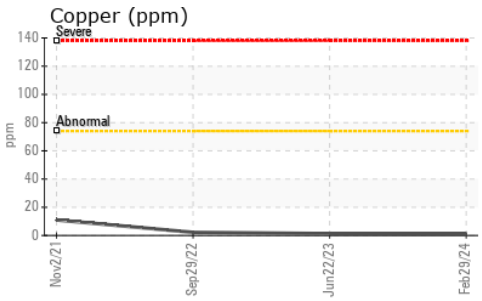
GRAPHS

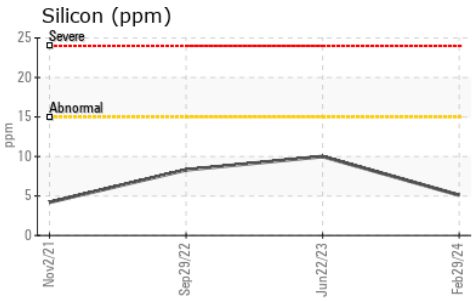


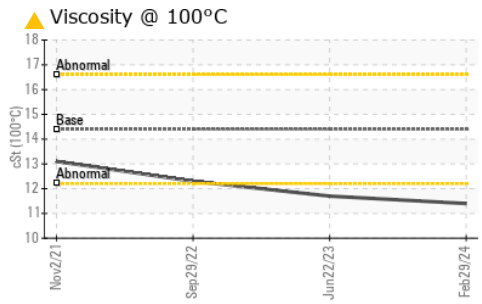


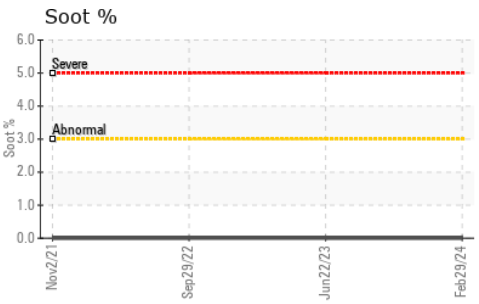












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0089246
Lab Number : 02619859
Unique Number : 5736969
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

Received : 05 Mar 2024
Tested : 06 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.

GFL Environmental - 784 - Saint-Hyacinthe
3525 Boul. Laurier Est.,
Saint-Hyacinthe, QC
CA J2R 2B2
Contact: Nadine Authier
nauthier@matrec.ca
T: (450)773-9689
F: