



OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Machine Id
833074
Component
Natural Gas Engine
Fluid
{not provided} (24 LTR)



DIAGNOSIS

Recommendation

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

Metal levels are typical for a components first oil change.

Contamination

There is a moderate concentration of water present in the oil. Test for glycol is negative.

Fluid Condition

The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0063925	---	---
Sample Date	Client Info	08 Feb 2024	---	---
Machine Age	hrs Client Info	1112	---	---
Oil Age	hrs Client Info	1112	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>50	40	---	---
Chromium ppm ASTM D5185(m)	>4	<1	---	---
Nickel ppm ASTM D5185(m)	>2	1	---	---
Titanium ppm ASTM D5185(m)		0	---	---
Silver ppm ASTM D5185(m)	>3	<1	---	---
Aluminum ppm ASTM D5185(m)	>9	5	---	---
Lead ppm ASTM D5185(m)	>30	2	---	---
Copper ppm ASTM D5185(m)	>35	14	---	---
Tin ppm ASTM D5185(m)	>4	1	---	---
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)		7	---	---
Barium ppm ASTM D5185(m)		2	---	---
Molybdenum ppm ASTM D5185(m)		102	---	---
Manganese ppm ASTM D5185(m)		9	---	---
Magnesium ppm ASTM D5185(m)		643	---	---
Calcium ppm ASTM D5185(m)		1262	---	---
Phosphorus ppm ASTM D5185(m)		635	---	---
Zinc ppm ASTM D5185(m)		752	---	---
Sulfur ppm ASTM D5185(m)		2330	---	---
Lithium ppm ASTM D5185(m)		<1	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>+100	27	---	---
Sodium ppm ASTM D5185(m)		3	---	---
Potassium ppm ASTM D5185(m)	>20	2	---	---
Water % ASTM D6304*	>0.1	▲ 0.197	---	---
ppm Water ppm ASTM D6304*	>1000	▲ 1978	---	---
Glycol % ASTM D7922*		0.0	---	---

INFRA-RED

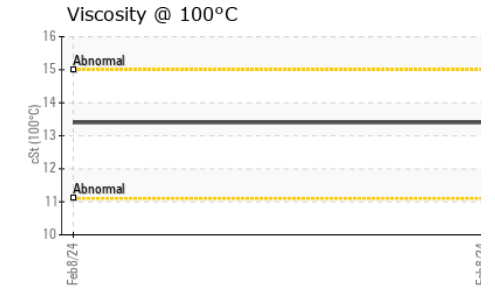
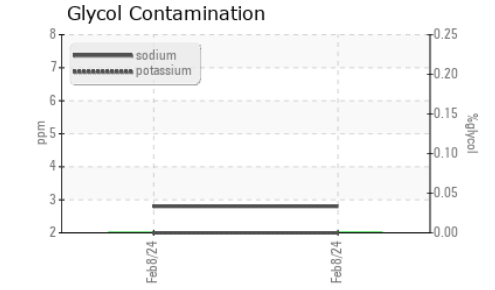
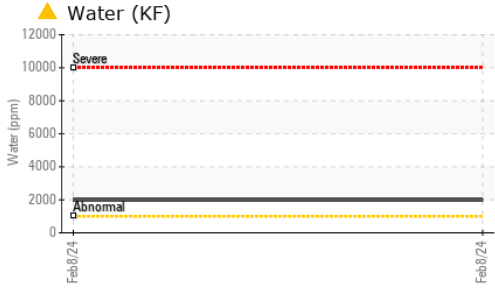
method	limit/base	current	history1	history2
Soot % ASTM D7844*		0	---	---
Nitration Abs/cm ASTM D7624*	>20	10.9	---	---
Sulfation Abs/.1mm ASTM D7415*	>30	23.0	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation Abs/.1mm ASTM D7414*	>25	18.2	---	---



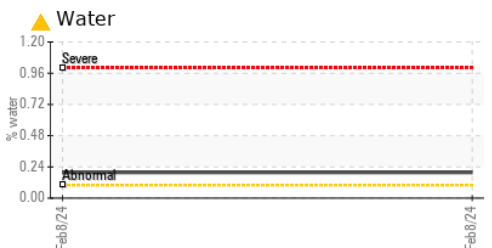
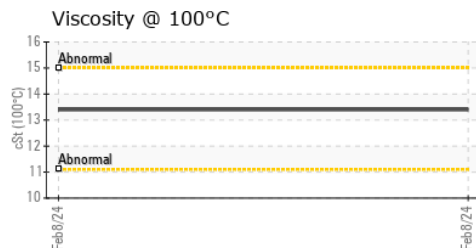
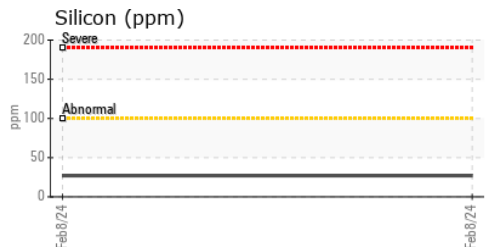
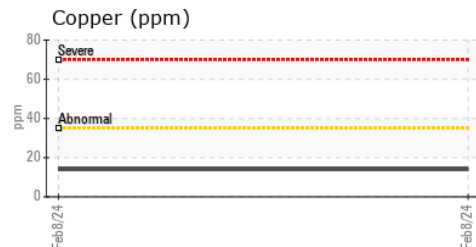
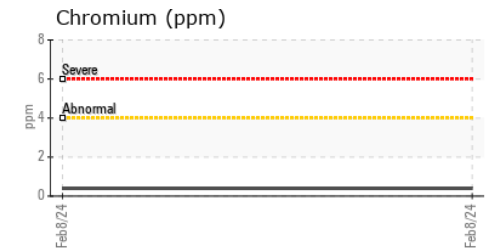
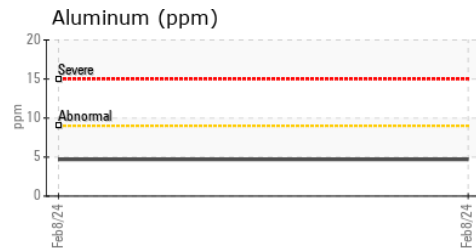
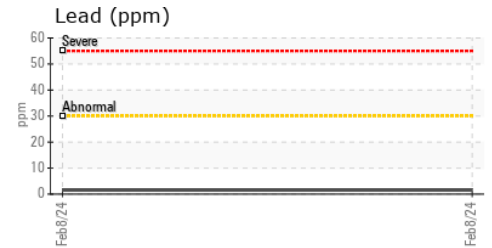
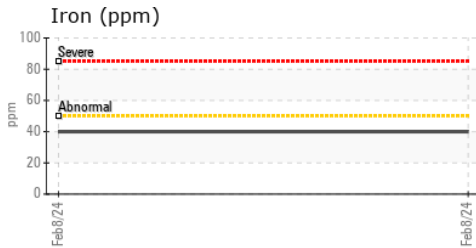
OIL ANALYSIS REPORT



PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	---	---
Precipitate	scalar	Visual*	NONE	---	---
Silt	scalar	Visual*	NONE	---	---
Debris	scalar	Visual*	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	---	---
Appearance	scalar	Visual*	NORML	---	---
Odor	scalar	Visual*	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	---	---
Free Water	scalar	Visual*	▲.2%	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	13.4	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0063925
Lab Number : 02614636
Unique Number : 5723731
Test Package : MOB 1 (Additional Tests: Glycol, KF, Visual)

GFL Environmental - 222 - Sandhill
 SANDHILL DISPOSAL & RECYCLING DIVIS, 19 COMMERCE ROAD
 ORANGEVILLE, ON
 CA L9W 3X5
 Contact: GLENN COOK
 gcook@gflenv.com
 T: (519)940-4167
 F:

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.