



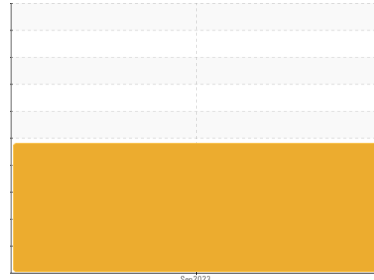
# OIL ANALYSIS REPORT

Sample Rating Trend

GLYCOL



Machine Id  
**801130**  
Component  
**Natural Gas Engine**  
Fluid  
**NOT GIVEN (--- GAL)**



## DIAGNOSIS

### ▲ Recommendation

We advise that you check for the source of the coolant leak. 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

All component wear rates are normal.

### ▲ Contamination

Test for glycol is positive. There is a light concentration of glycol present in the oil.

### ▲ 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	<b>GFL0084187</b>	---	---
Sample Date	Client Info	<b>07 Sep 2023</b>	---	---
Machine Age	hrs Client Info	<b>17344</b>	---	---
Oil Age	hrs Client Info	<b>600</b>	---	---
Oil Changed	Client Info	<b>Changed</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185(m)	>50	<b>7</b>	---	---
Chromium ppm ASTM D5185(m)	>4	<b>&lt;1</b>	---	---
Nickel ppm ASTM D5185(m)	>2	<b>&lt;1</b>	---	---
Titanium ppm ASTM D5185(m)		<b>0</b>	---	---
Silver ppm ASTM D5185(m)	>3	<b>&lt;1</b>	---	---
Aluminum ppm ASTM D5185(m)	>9	<b>1</b>	---	---
Lead ppm ASTM D5185(m)	>30	<b>1</b>	---	---
Copper ppm ASTM D5185(m)	>35	<b>17</b>	---	---
Tin ppm ASTM D5185(m)	>4	<b>0</b>	---	---
Antimony ppm ASTM D5185(m)		<b>0</b>	---	---
Vanadium ppm ASTM D5185(m)		<b>0</b>	---	---
Beryllium ppm ASTM D5185(m)		<b>0</b>	---	---
Cadmium ppm ASTM D5185(m)		<b>0</b>	---	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185(m)		<b>8</b>	---	---
Barium ppm ASTM D5185(m)		<b>0</b>	---	---
Molybdenum ppm ASTM D5185(m)		<b>64</b>	---	---
Manganese ppm ASTM D5185(m)		<b>0</b>	---	---
Magnesium ppm ASTM D5185(m)		<b>550</b>	---	---
Calcium ppm ASTM D5185(m)		<b>1562</b>	---	---
Phosphorus ppm ASTM D5185(m)		<b>750</b>	---	---
Zinc ppm ASTM D5185(m)		<b>902</b>	---	---
Sulfur ppm ASTM D5185(m)		<b>2029</b>	---	---
Lithium ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>+100	<b>14</b>	---	---
Sodium ppm ASTM D5185(m)		<b>▲ 196</b>	---	---
Potassium ppm ASTM D5185(m)	>20	<b>▲ 195</b>	---	---
Glycol % ASTM D7922*		<b>▲ 0.023</b>	---	---

## INFRA-RED

method	limit/base	current	history1	history2
Soot % ASTM D7844*		<b>0</b>	---	---
Nitration Abs/cm ASTM D7624*	>20	<b>10.5</b>	---	---
Sulfation Abs/.1mm ASTM D7415*	>30	<b>20.6</b>	---	---

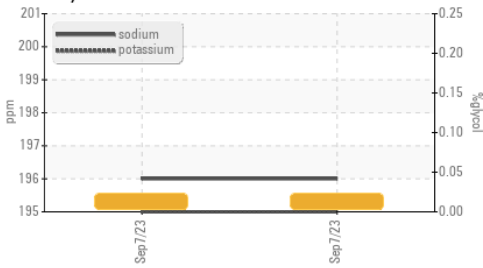
## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation Abs/.1mm ASTM D7414*	>25	<b>18.4</b>	---	---



# OIL ANALYSIS REPORT

### ▲ Glycol Contamination



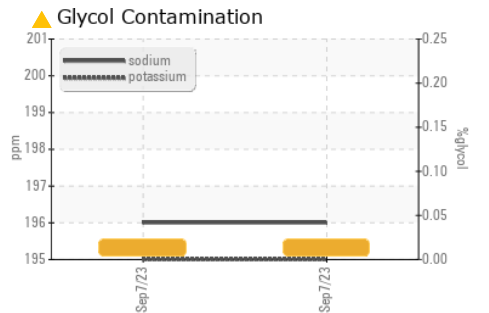
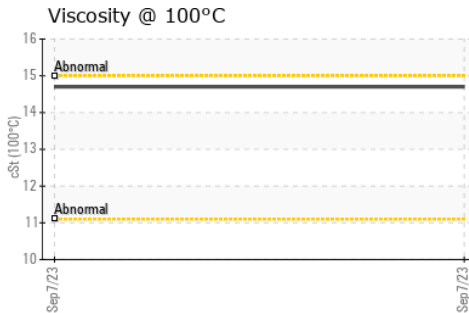
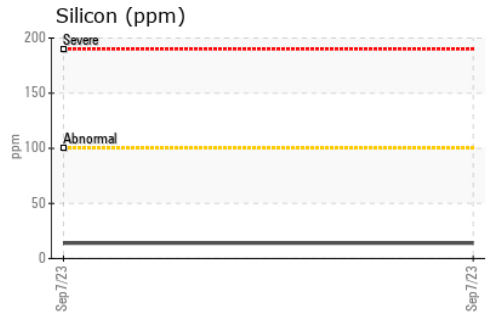
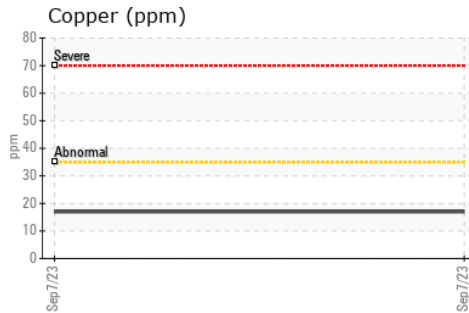
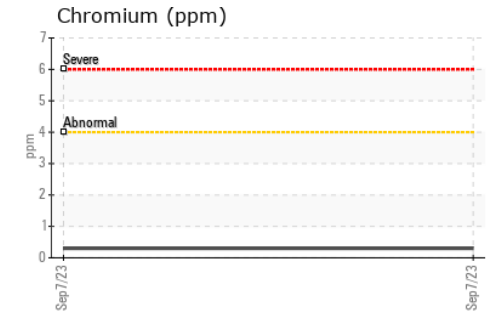
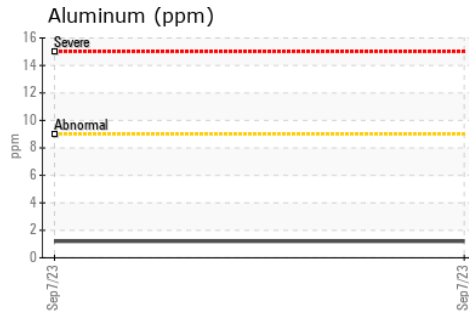
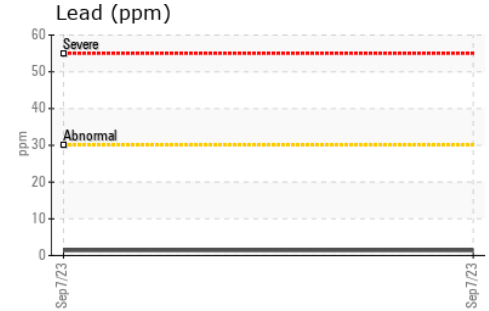
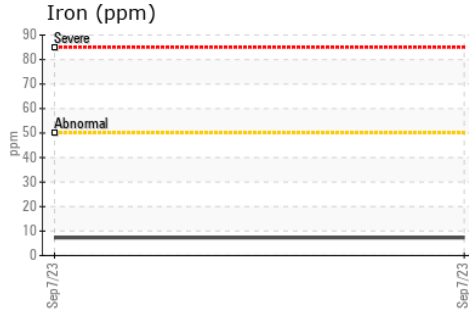
### Viscosity @ 100°C



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.7	---	---

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 574 - Vancouver Fleet  
**Sample No.** : GFL0084187 **Received** : 24 Oct 2023  
**Lab Number** : 02591329 **Diagnosed** : 24 Oct 2023  
**Unique Number** : 5668408 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: Glycol )

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.

70 Golden Drive,  
 Coquitlam, BC  
 CA V3K 6B5  
 Contact: Gary Ewasiuk  
 gewasiuk@gflenv.com

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F: