



# OIL ANALYSIS REPORT

Sample Rating Trend

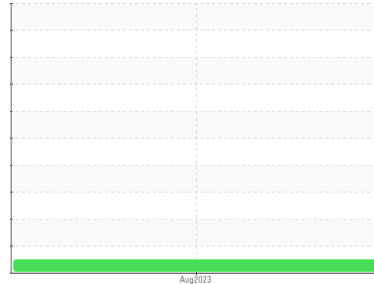
**NORMAL**



Machine Id  
**429015**

Component  
**Front Differential**

Fluid  
**GEAR OIL SAE 75W90 (--- GAL)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 75W90. Please confirm.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0089768</b>	---	---
Sample Date	Client Info		<b>01 Aug 2023</b>	---	---
Machine Age	kms	Client Info	<b>883973</b>	---	---
Oil Age	kms	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	<b>162</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >25	<b>4</b>	---	---
Lead	ppm	ASTM D5185(m) >25	<b>1</b>	---	---
Copper	ppm	ASTM D5185(m) >100	<b>16</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Antimony	ppm	ASTM D5185(m) >5	<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) 400	<b>183</b>	---	---
Barium	ppm	ASTM D5185(m) 200	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 12	<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>3</b>	---	---
Magnesium	ppm	ASTM D5185(m) 12	<b>3</b>	---	---
Calcium	ppm	ASTM D5185(m) 150	<b>77</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 1650	<b>1394</b>	---	---
Zinc	ppm	ASTM D5185(m) 125	<b>21</b>	---	---
Sulfur	ppm	ASTM D5185(m) 22500	<b>19422</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

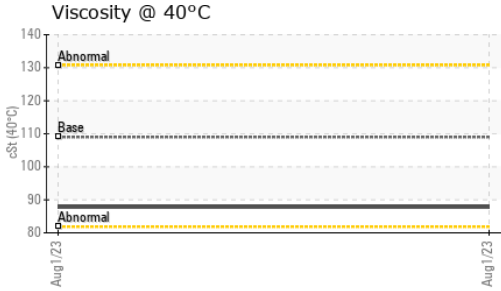
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>10</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>1</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	---	---

## VISUAL

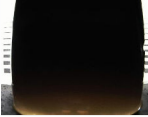

	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	Visual* NONE	<b>NONE</b>	---	---
Precipitate	scalar	Visual* NONE	<b>NONE</b>	---	---
Silt	scalar	Visual* NONE	<b>NONE</b>	---	---
Debris	scalar	Visual* NONE	<b>NONE</b>	---	---
Sand/Dirt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



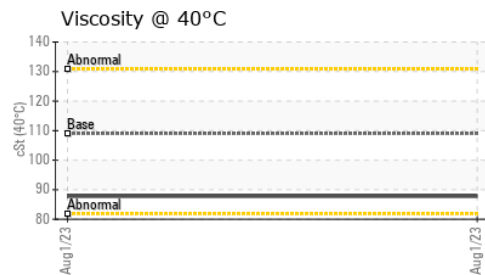
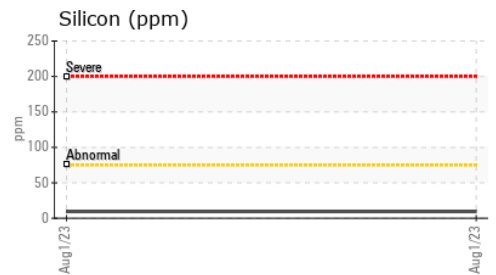
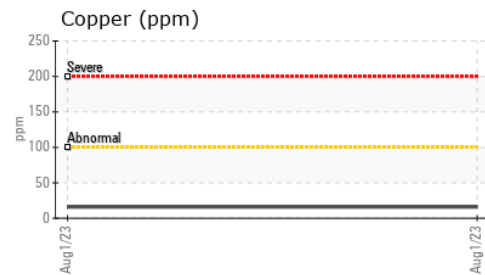
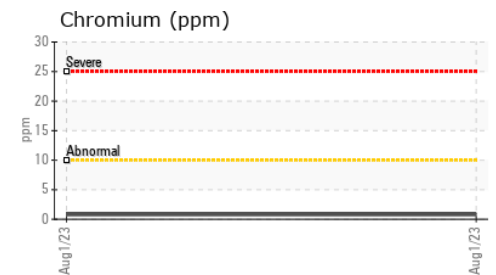
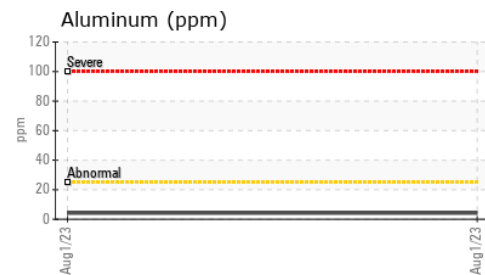
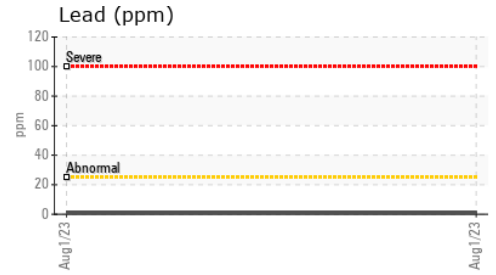
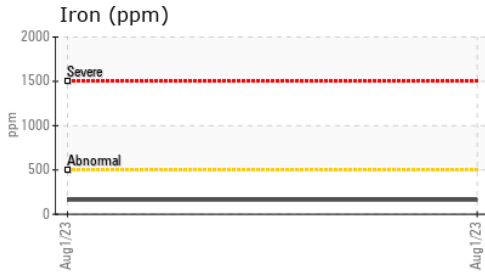
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>87.8</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 582 - Nanaimo**  
**Sample No.** : GFL0089768 **Received** : 09 Aug 2023  
**Lab Number** : **02574903** **Diagnosed** : 09 Aug 2023  
**Unique Number** : 5619954 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

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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T:  
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