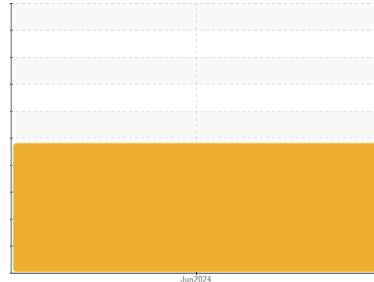




# OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Machine Id  
**427172**  
 Component  
**1 Differential**  
 Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

### Recommendation

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: 1st Axle / Pusher )

### Wear

Bearing and/or gear wear is indicated.

### Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

### 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>GFL0123556</b>	---	---
Sample Date	Client Info		<b>29 Jun 2024</b>	---	---
Machine Age	mls Client Info		<b>359445</b>	---	---
Oil Age	mls Client Info		<b>359445</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

CONTAMINATION	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	---	---

WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>500	<b>▲ 868</b>	---	---
Chromium	ppm ASTM D5185m	>10	<b>7</b>	---	---
Nickel	ppm ASTM D5185m	>10	<b>▲ 17</b>	---	---
Titanium	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm ASTM D5185m	>25	<b>● 39</b>	---	---
Lead	ppm ASTM D5185m	>25	<b>2</b>	---	---
Copper	ppm ASTM D5185m	>100	<b>35</b>	---	---
Tin	ppm ASTM D5185m	>10	<b>▲ 18</b>	---	---
Vanadium	ppm ASTM D5185m		<b>&lt;1</b>	---	---
Cadmium	ppm ASTM D5185m		<b>0</b>	---	---

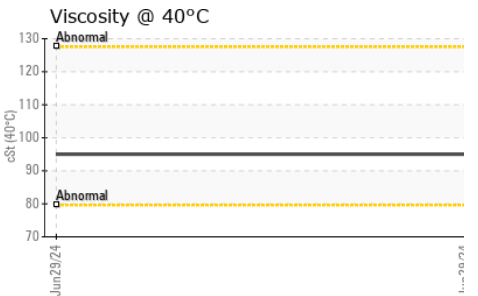
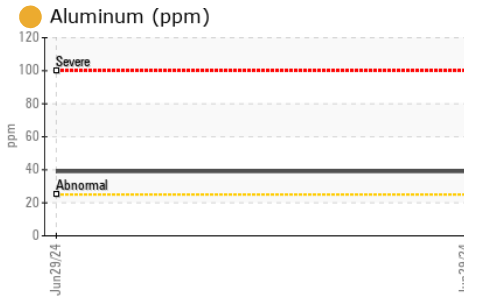
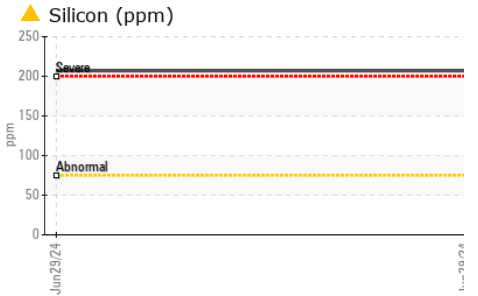
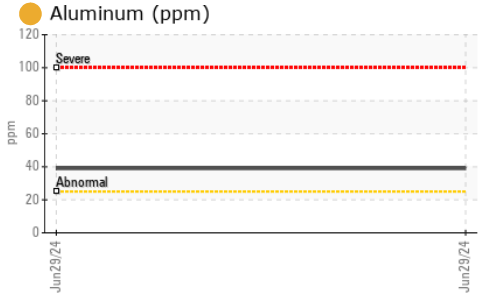
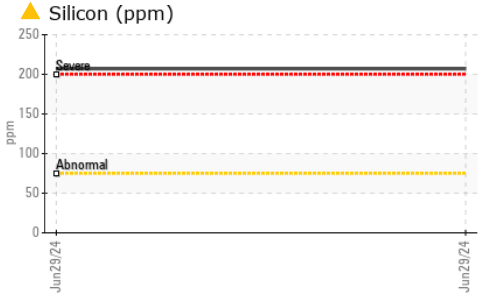
ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		<b>130</b>	---	---
Barium	ppm ASTM D5185m		<b>1</b>	---	---
Molybdenum	ppm ASTM D5185m		<b>3</b>	---	---
Manganese	ppm ASTM D5185m		<b>12</b>	---	---
Magnesium	ppm ASTM D5185m		<b>35</b>	---	---
Calcium	ppm ASTM D5185m		<b>70</b>	---	---
Phosphorus	ppm ASTM D5185m		<b>1270</b>	---	---
Zinc	ppm ASTM D5185m		<b>83</b>	---	---
Sulfur	ppm ASTM D5185m		<b>25990</b>	---	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>75	<b>▲ 207</b>	---	---
Sodium	ppm ASTM D5185m		<b>6</b>	---	---
Potassium	ppm ASTM D5185m	>20	<b>6</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>LIGHT</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>	---	---



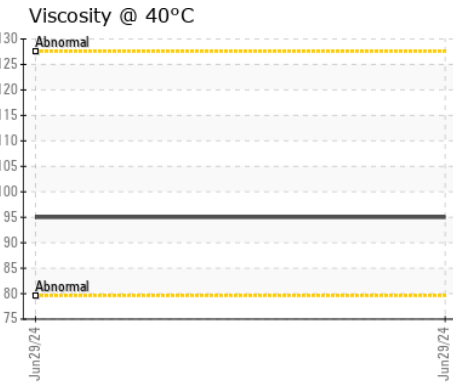
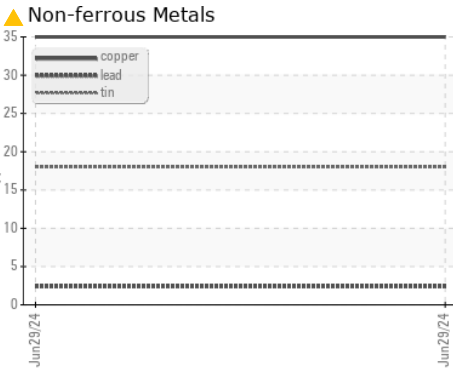
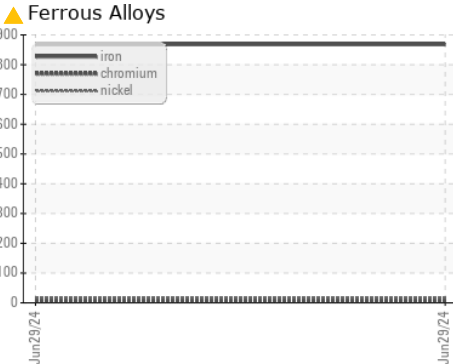
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		<b>95.0</b>	---	---

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

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0123556  
**Lab Number** : 06229011  
**Unique Number** : 11112504  
**Test Package** : FLEET

**Received** : 05 Jul 2024  
**Tested** : 09 Jul 2024  
**Diagnosed** : 09 Jul 2024 - Sean Felton

**GFL Environmental - 983 - Sugar Land Hauling**  
 16011 West Belfort Street  
 Sugar Land, TX  
 US 77498  
 Contact: TECHNICIAN ACCOUNT  
 wcgfldemo@gmail.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:  
F: