



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**426150-SW4629**  
Component  
**2 Differential**  
Fluid  
**GEAR OIL SAE 75W90 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. ( Customer Sample Comment: 2nd Axle / Tag )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0112108</b>	GFL0075380	---
Sample Date		Client Info		<b>16 May 2024</b>	01 Jun 2023	---
Machine Age	mls	Client Info		<b>351744</b>	335346	---
Oil Age	mls	Client Info		<b>351744</b>	0	---
Filter Age	mls	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	N/A	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>199</b>	262	---
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	2	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>8</b>	13	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>100	<b>8</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

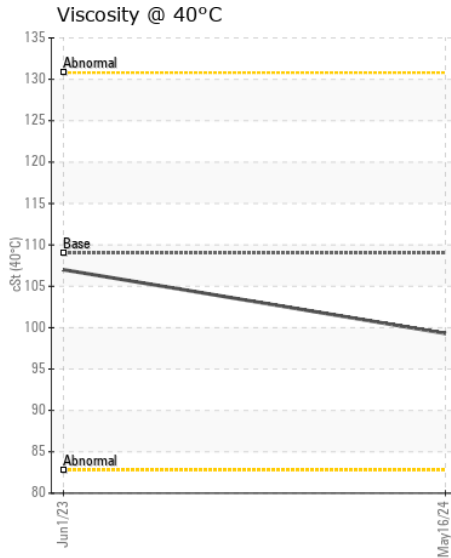
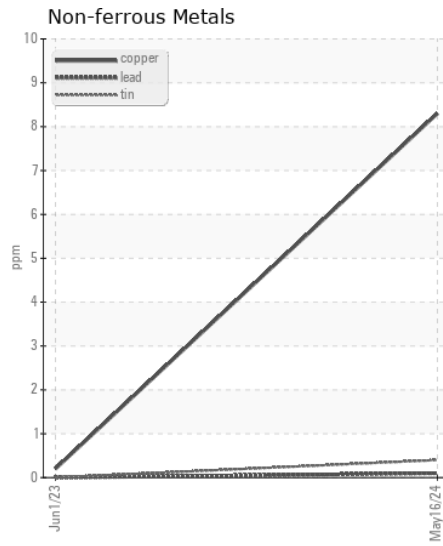
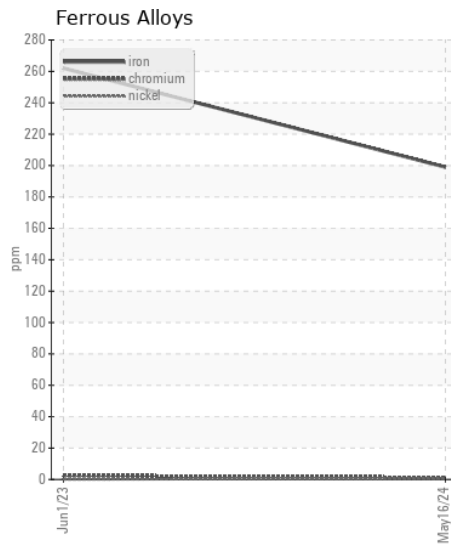
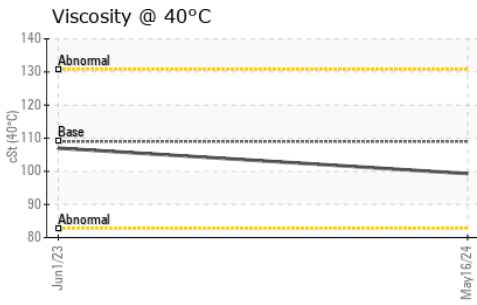
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>42</b>	84	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	---
Water		WC Method	>.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>3</b>	6	---
Boron	ppm	ASTM D5185m	400	<b>203</b>	115	---
Barium	ppm	ASTM D5185m	200	<b>0</b>	1	---
Molybdenum	ppm	ASTM D5185m	12	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>9</b>	11	---
Magnesium	ppm	ASTM D5185m	12	<b>10</b>	6	---
Calcium	ppm	ASTM D5185m	150	<b>72</b>	123	---
Phosphorus	ppm	ASTM D5185m	1650	<b>1276</b>	1000	---
Zinc	ppm	ASTM D5185m	125	<b>59</b>	48	---
Sulfur	ppm	ASTM D5185m	22500	<b>27521</b>	25064	---
Visc @ 40°C	cSt	ASTM D445	109	<b>99.3</b>	107	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0112108  
**Lab Number** : 06190804  
**Unique Number** : 11047556  
**Test Package** : FLEET

**Received** : 24 May 2024  
**Tested** : 29 May 2024  
**Diagnosed** : 29 May 2024 - Sean Felton

**GFL Environmental - 983 - Sugar Land Hauling**  
 16011 West Belfort Street  
 Sugar Land, TX  
 US 77498  
 Contact: Adrian Martinez  
 adrianmartinez@gflenv.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: