



Machine Id  
**427191**

Component  
**1 Differential**

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

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: 1st Axle / Pusher )

**WEAR**

All component wear rates are normal.

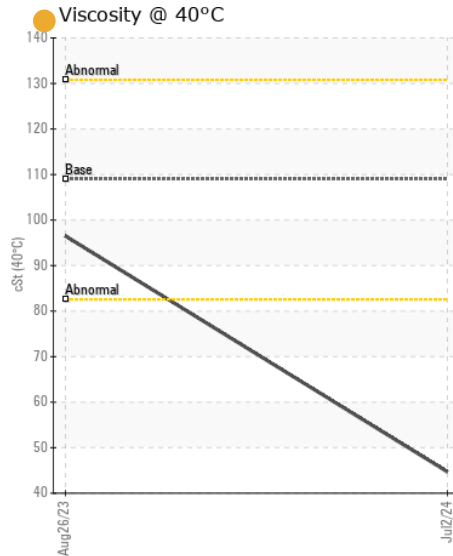
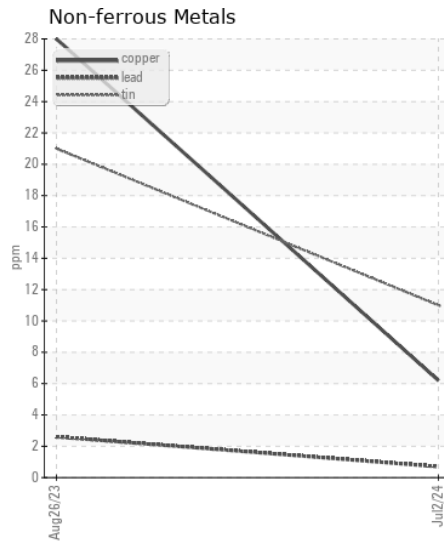
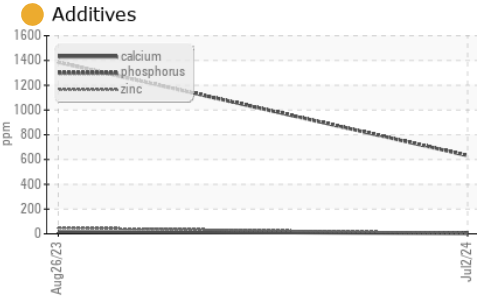
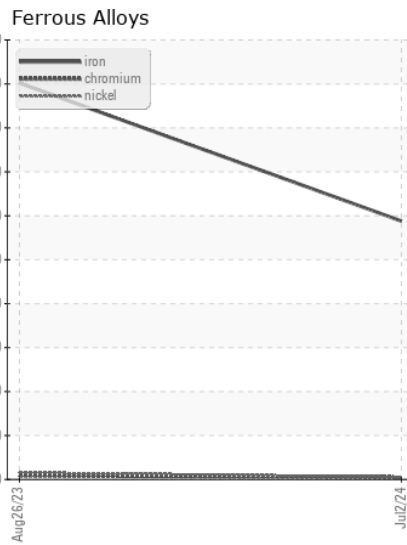
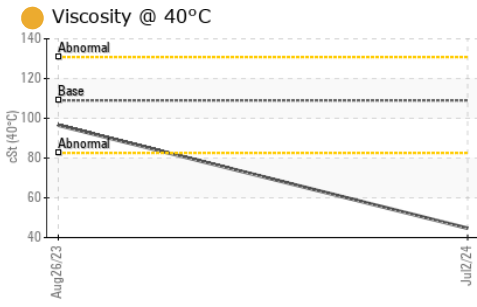
**CONTAMINATION**

There is no indication of any contamination in the oil.

**FLUID CONDITION**

The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0123513</b>	GFL0089462	---
Sample Date		Client Info		<b>02 Jul 2024</b>	26 Aug 2023	---
Machine Age	mls	Client Info		<b>375801</b>	340693	---
Oil Age	mls	Client Info		<b>375801</b>	340693	---
Filter Age	mls	Client Info		<b>375801</b>	0	---
Oil Changed		Client Info		<b>Not Changed</b>	Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	N/A	---
Sample Status				<b>ATTENTION</b>	ABNORMAL	---
Iron	ppm	ASTM D5185m	>500	<b>294</b>	451	---
Chromium	ppm	ASTM D5185m	>10	<b>2</b>	4	---
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	8	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>7</b>	11	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	3	---
Copper	ppm	ASTM D5185m	>100	<b>6</b>	28	---
Tin	ppm	ASTM D5185m	>10	<b>11</b>	21	---
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	---
Silicon	ppm	ASTM D5185m	>75	<b>37</b>	177	---
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	5	---
Water		WC Method	>.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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	---
Sodium	ppm	ASTM D5185m		<b>2</b>	3	---
Boron	ppm	ASTM D5185m	400	<b>43</b>	236	---
Barium	ppm	ASTM D5185m	200	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	12	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>5</b>	11	---
Magnesium	ppm	ASTM D5185m	12	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185m	150	<b>4</b>	17	---
Phosphorus	ppm	ASTM D5185m	1650	<b>632</b>	1386	---
Zinc	ppm	ASTM D5185m	125	<b>4</b>	49	---
Sulfur	ppm	ASTM D5185m	22500	<b>21651</b>	23554	---
Visc @ 40°C	cSt	ASTM D445	109	<b>44.7</b>	96.5	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0123513  
**Lab Number** : 06231794  
**Unique Number** : 11115287  
**Test Package** : FLEET

**Received** : 09 Jul 2024  
**Tested** : 10 Jul 2024  
**Diagnosed** : 11 Jul 2024 - Jonathan Hester

**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)

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F: