



Machine Id  
**427190**

Component  
**2 Differential**

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

**RECOMMENDATION**

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: Tag )

**WEAR**

Gear wear is indicated. All other component wear rates are normal.

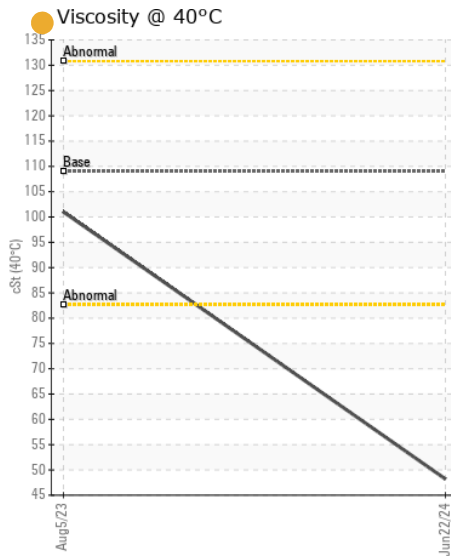
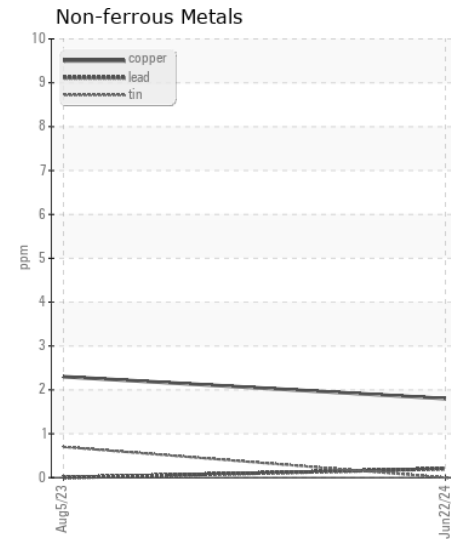
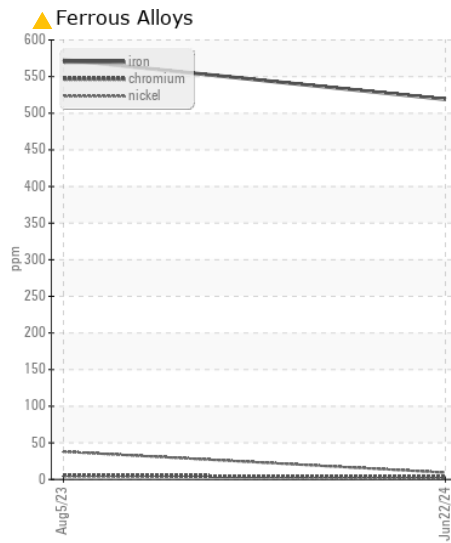
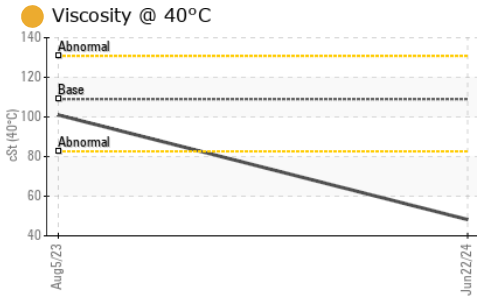
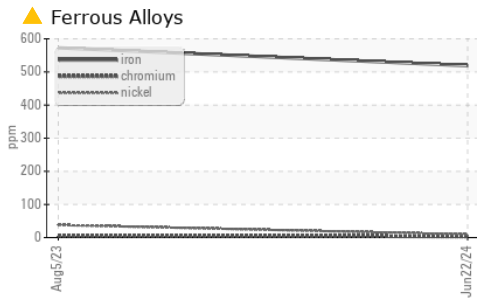
**CONTAMINATION**

There is no indication of any contamination in the oil.

**FLUID CONDITION**

The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0123527</b>	GFL0089384	---
Sample Date		Client Info		<b>22 Jun 2024</b>	05 Aug 2023	---
Machine Age	mls	Client Info		<b>355962</b>	318792	---
Oil Age	mls	Client Info		<b>355962</b>	318792	---
Filter Age	mls	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	ABNORMAL	---
Iron	ppm	ASTM D5185m	>500	<b>▲ 519</b>	573	---
Chromium	ppm	ASTM D5185m	>10	<b>3</b>	5	---
Nickel	ppm	ASTM D5185m	>10	<b>9</b>	38	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	● 14	---
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>100	<b>2</b>	2	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silicon	ppm	ASTM D5185m	>75	<b>55</b>	▲ 206	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	7	---
Water		WC Method	>.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
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>	7	---
Boron	ppm	ASTM D5185m	400	<b>75</b>	181	---
Barium	ppm	ASTM D5185m	200	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	12	<b>3</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>5</b>	12	---
Magnesium	ppm	ASTM D5185m	12	<b>6</b>	5	---
Calcium	ppm	ASTM D5185m	150	<b>2325</b>	25	---
Phosphorus	ppm	ASTM D5185m	1650	<b>980</b>	1252	---
Zinc	ppm	ASTM D5185m	125	<b>925</b>	40	---
Sulfur	ppm	ASTM D5185m	22500	<b>7244</b>	25056	---
Visc @ 40°C	cSt	ASTM D445	109	● <b>48.2</b>	101	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0123527  
**Lab Number** : 06222673  
**Unique Number** : 11100870  
**Test Package** : FLEET

**Received** : 27 Jun 2024  
**Tested** : 28 Jun 2024  
**Diagnosed** : 29 Jun 2024 - Don Baldrige

**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: