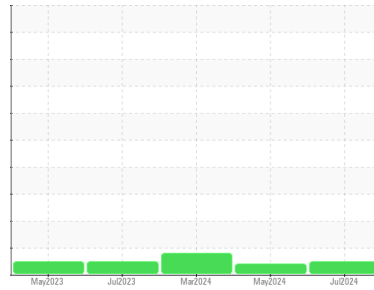




# OIL ANALYSIS REPORT

Machine Id  
**420092**  
 Component  
**1 Differential**  
 Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

## Sample Rating Trend



**NORMAL**



## DIAGNOSIS

### Recommendation

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0123576</b>	GFL0123606	GFL0112094
Sample Date	Client Info		<b>12 Jul 2024</b>	29 May 2024	18 Mar 2024
Machine Age	mls	Client Info	<b>162521</b>	151032	150271
Oil Age	mls	Client Info	<b>16521</b>	151032	150271
Oil Changed	Client Info		<b>Not Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	ATTENTION	ABNORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >1200	<b>124</b>	107	373
Chromium	ppm	ASTM D5185m >8	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m >20	<b>3</b>	3	9
Titanium	ppm	ASTM D5185m >4	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>6</b>	5	▲ 37
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m >5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	<b>27</b>	18	27
Barium	ppm	ASTM D5185m 200	<b>&lt;1</b>	0	<1
Molybdenum	ppm	ASTM D5185m 12	<b>&lt;1</b>	4	<1
Manganese	ppm	ASTM D5185m	<b>2</b>	2	3
Magnesium	ppm	ASTM D5185m 12	<b>2</b>	0	2
Calcium	ppm	ASTM D5185m 150	<b>30</b>	106	123
Phosphorus	ppm	ASTM D5185m 1650	<b>432</b>	532	512
Zinc	ppm	ASTM D5185m 125	<b>71</b>	88	258
Sulfur	ppm	ASTM D5185m 22500	<b>14924</b>	12338	10563

## CONTAMINANTS

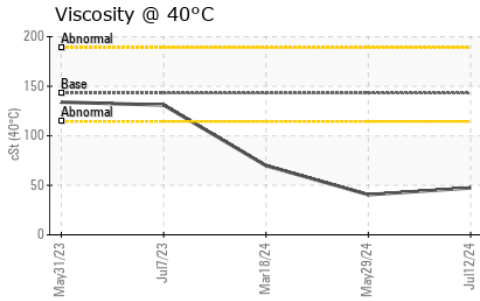
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >230	<b>55</b>	69	81
Sodium	ppm	ASTM D5185m >170	<b>2</b>	3	2
Potassium	ppm	ASTM D5185m >20	<b>0</b>	0	<1

## VISUAL

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



# OIL ANALYSIS REPORT

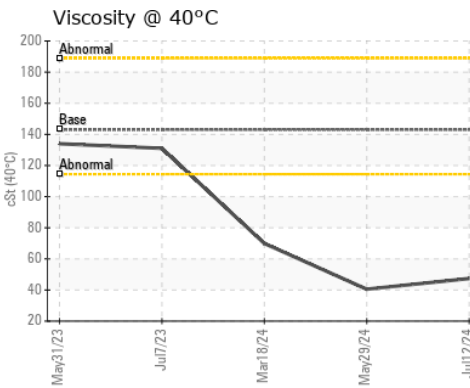
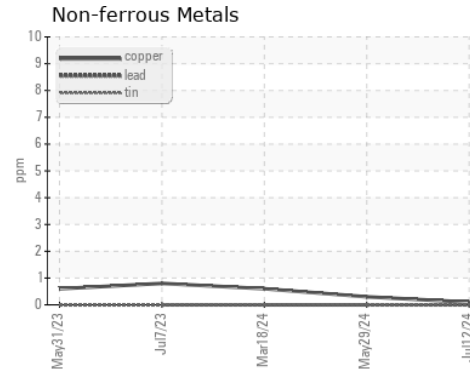
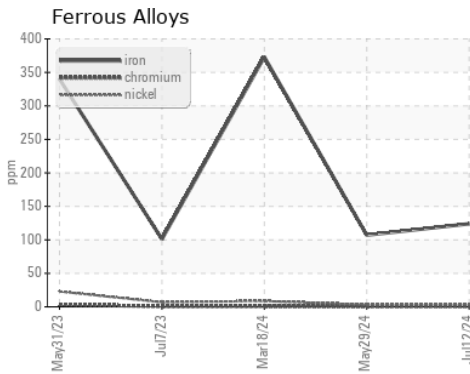


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 143	47.4	40.5	69.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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.** : GFL0123576  
**Lab Number** : 06239487  
**Unique Number** : 11128321  
**Test Package** : FLEET

**Received** : 17 Jul 2024  
**Tested** : 18 Jul 2024  
**Diagnosed** : 19 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: