

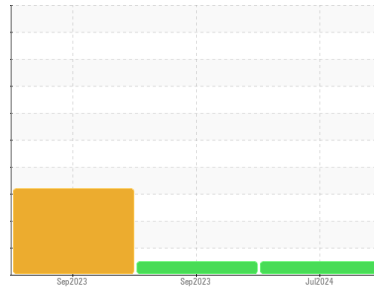


# OIL ANALYSIS REPORT



Machine Id  
**413069**  
 Component  
**2 Differential**  
 Fluid  
**GEAR OIL SAE 80 (--- GAL)**

### Sample Rating Trend



**NORMAL**



### DIAGNOSIS

#### Recommendation

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

#### 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>GFL0128702</b>	GFL0094103	GFL0094098
Sample Date	Client Info		<b>12 Jul 2024</b>	20 Sep 2023	11 Sep 2023
Machine Age	hrs	Client Info	<b>74080</b>	36737	35682
Oil Age	hrs	Client Info	<b>74080</b>	36737	35682
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	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>150</b>	76	142
Chromium	ppm	ASTM D5185m >8	<b>1</b>	<1	1
Nickel	ppm	ASTM D5185m >20	<b>3</b>	2	6
Titanium	ppm	ASTM D5185m >4	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >30	<b>5</b>	3	7
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	<1	2
Tin	ppm	ASTM D5185m >5	<b>0</b>	0	<1
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>94</b>	87	310
Barium	ppm	ASTM D5185m 200	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m 12	<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m	<b>2</b>	2	4
Magnesium	ppm	ASTM D5185m 12	<b>6</b>	1	5
Calcium	ppm	ASTM D5185m 150	<b>0</b>	6	14
Phosphorus	ppm	ASTM D5185m 1650	<b>624</b>	585	1002
Zinc	ppm	ASTM D5185m 125	<b>4</b>	4	11
Sulfur	ppm	ASTM D5185m 22500	<b>17470</b>	16837	23686

### CONTAMINANTS

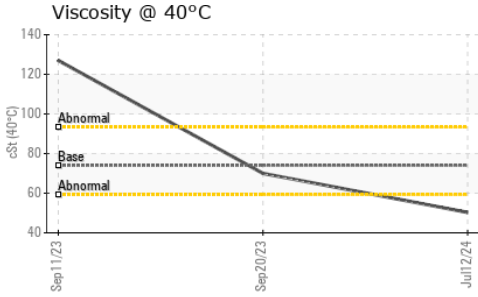
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >230	<b>149</b>	87	▲ 168
Sodium	ppm	ASTM D5185m	<b>0</b>	2	3
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	0

### 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	0.2%
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG



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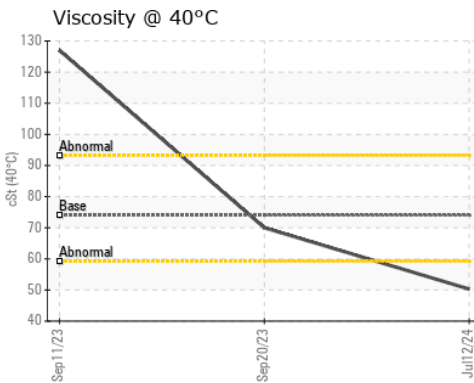
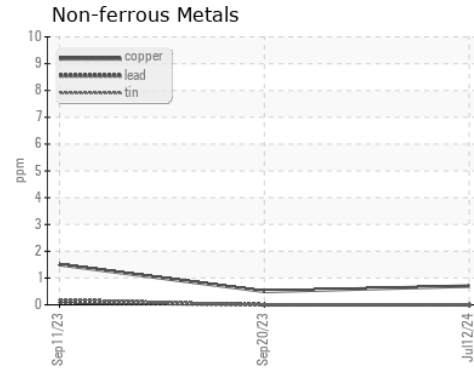
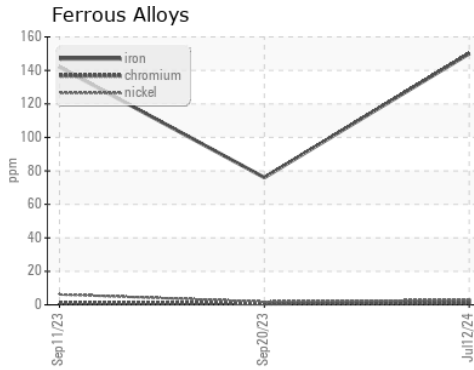


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 74	<b>50.3</b>	70.0	127

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.** : GFL0128702  
**Lab Number** : 06240765  
**Unique Number** : 11129599  
**Test Package** : FLEET

**Received** : 18 Jul 2024  
**Tested** : 19 Jul 2024  
**Diagnosed** : 22 Jul 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: