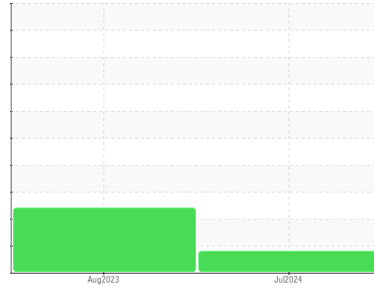




# OIL ANALYSIS REPORT

## Sample Rating Trend



## VISCOSITY



Machine Id  
**KENWORTH T880 427183 (S/N 1NKZL40X6HJ164232)**  
 Component  
**2 Differential**  
 Fluid  
**GEAR OIL SAE 75W90 (--- GAL)**

### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. 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 oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0123587</b>	GFL0089378	---
Sample Date	Client Info		<b>03 Jul 2024</b>	09 Aug 2023	---
Machine Age	hrs	Client Info	<b>328651</b>	298070	---
Oil Age	hrs	Client Info	<b>328651</b>	298070	---
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	---
Sample Status			<b>ATTENTION</b>	ABNORMAL	---

### CONTAMINATION

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

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>210</b>	340	---
Chromium	ppm	ASTM D5185m >10	<b>2</b>	3	---
Nickel	ppm	ASTM D5185m >10	<b>4</b>	14	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>34</b>	69	---
Lead	ppm	ASTM D5185m >25	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m >100	<b>2</b>	1	---
Tin	ppm	ASTM D5185m >10	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	<b>38</b>	203	---
Barium	ppm	ASTM D5185m 200	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 12	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>4</b>	8	---
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>663</b>	1315	---
Zinc	ppm	ASTM D5185m 125	<b>7</b>	27	---
Sulfur	ppm	ASTM D5185m 22500	<b>18603</b>	25056	---

### CONTAMINANTS

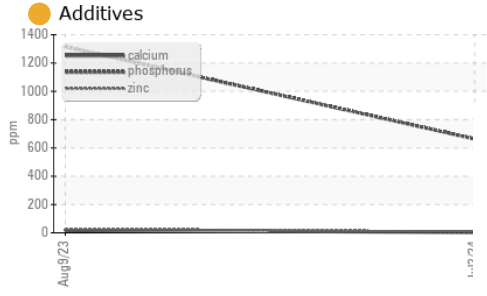
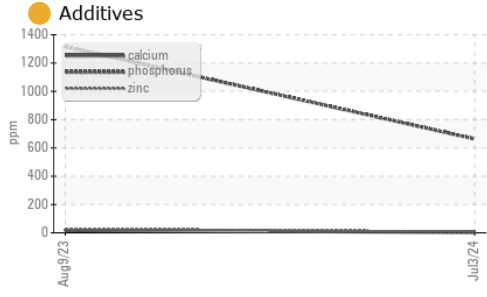
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>42</b>	124	---
Sodium	ppm	ASTM D5185m	<b>2</b>	6	---
Potassium	ppm	ASTM D5185m >20	<b>3</b>	7	---

### VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	---
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	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---



# OIL ANALYSIS REPORT



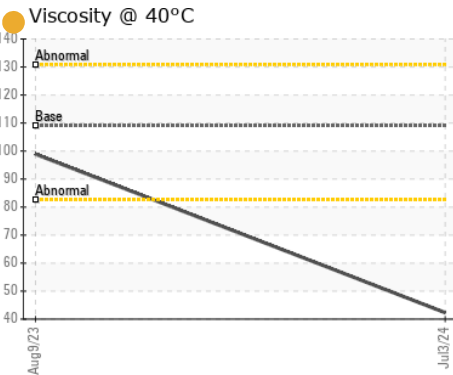
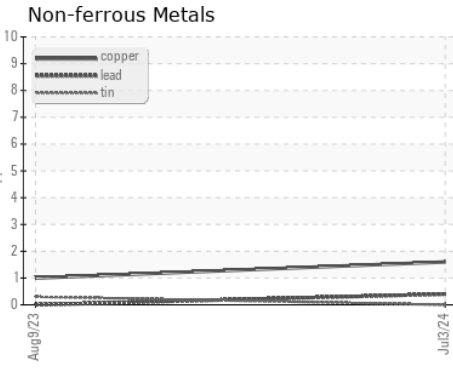
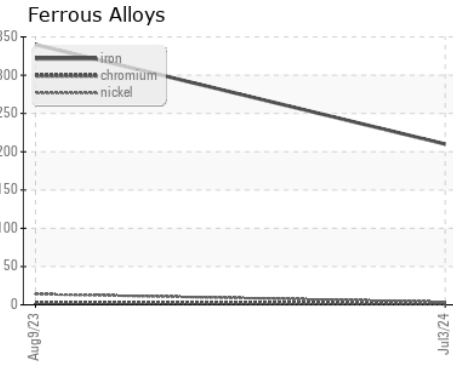
## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	● 42.3	98.9	---

## SAMPLE IMAGES

method	limit/base	current	history1	history2
Color		no image	no image	no image
Bottom		no image	no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0123587      **Received** : 09 Jul 2024  
**Lab Number** : 06231796      **Tested** : 10 Jul 2024  
**Unique Number** : 11115289      **Diagnosed** : 11 Jul 2024 - Jonathan Hester  
**Test Package** : FLEET

**GFL Environmental - 983 - Sugar Land Hauling**  
 16011 West Belfort Street  
 Sugar Land, TX 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)