

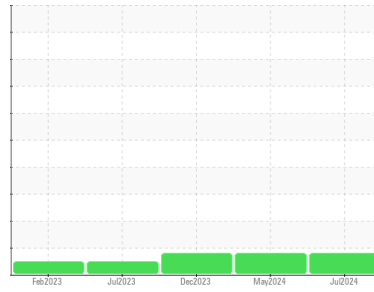


# OIL ANALYSIS REPORT



Machine Id  
**429123 - SW4923**  
 Component  
**Transmission (Auto)**  
 Fluid  
**ATF (--- GAL)**

Sample Rating Trend



## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

The copper level is abnormal. All other component wear rates are normal.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

The condition of the fluid is acceptable for the time in service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>GFL0128752</b>	GFL0112126	GFL0094055
Sample Date	Client Info	<b>10 Jul 2024</b>	03 May 2024	01 Dec 2023
Machine Age	mls	Client Info	270516	251267
Oil Age	mls	Client Info	270516	251267
Oil Changed	Client Info	<b>Changed</b>	Changed	Not Changed
Sample Status		<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >220	<b>13</b>	21	19
Chromium	ppm ASTM D5185m >2	<b>0</b>	<1	<1
Nickel	ppm ASTM D5185m >5	<b>0</b>	<1	0
Titanium	ppm ASTM D5185m	<b>0</b>	<1	0
Silver	ppm ASTM D5185m >5	<b>0</b>	0	0
Aluminum	ppm ASTM D5185m >75	<b>3</b>	6	6
Lead	ppm ASTM D5185m >95	<b>0</b>	3	4
Copper	ppm ASTM D5185m >60	<b>▲ 112</b>	<b>▲ 101</b>	<b>▲ 74</b>
Tin	ppm ASTM D5185m >10	<b>&lt;1</b>	2	<1
Vanadium	ppm ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm ASTM D5185m	<b>0</b>	<1	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>45</b>	15	41
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>0</b>	1	0
Manganese	ppm ASTM D5185m	<b>0</b>	<1	<1
Magnesium	ppm ASTM D5185m	<b>0</b>	3	1
Calcium	ppm ASTM D5185m	<b>406</b>	264	281
Phosphorus	ppm ASTM D5185m	<b>439</b>	383	436
Zinc	ppm ASTM D5185m	<b>0</b>	13	32
Sulfur	ppm ASTM D5185m	<b>1266</b>	823	1083

## CONTAMINANTS

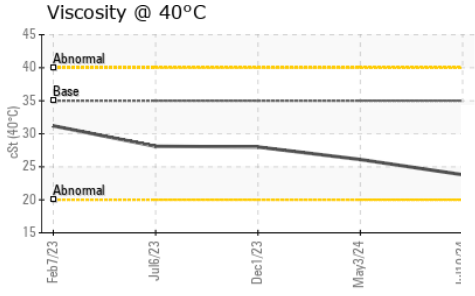
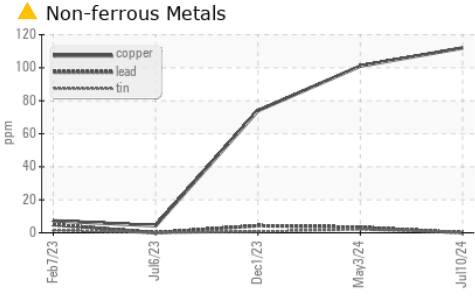
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >25	<b>6</b>	7	7
Sodium	ppm ASTM D5185m	<b>7</b>	5	6
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	3	1

## 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 >0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar *Visual	<b>NEG</b>	NEG	NEG



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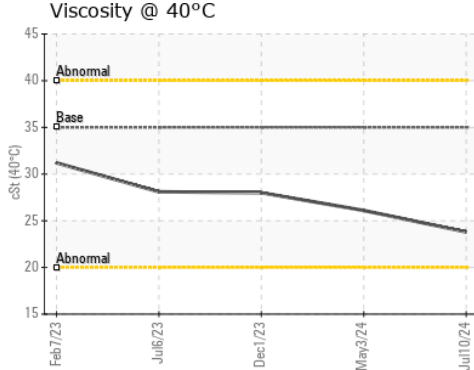
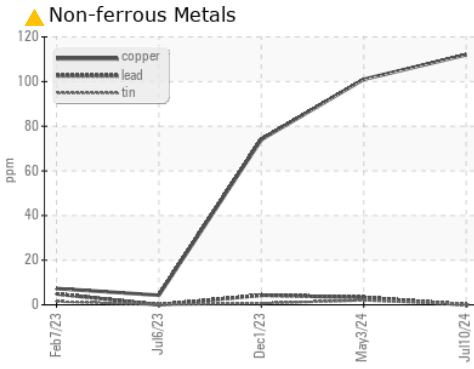
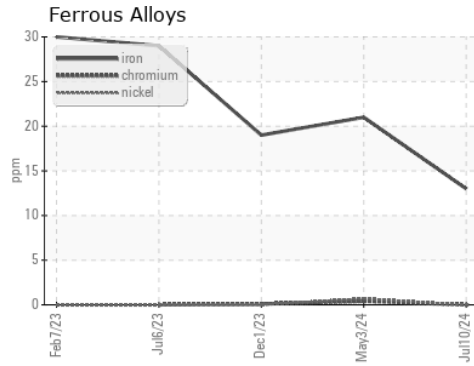


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	35.0	<b>23.8</b>	26.1	28.0

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : GFL0128752      **Received** : 15 Jul 2024  
**Lab Number** : **06236656**      **Tested** : 16 Jul 2024  
**Unique Number** : 11125490      **Diagnosed** : 17 Jul 2024 - Don Baldrige  
**Test Package** : FLEET

**GFL Environmental - 983 - Sugar Land Hauling**  
 16011 West Belfort Street  
 Sugar Land, TX  
 US 77498  
 Contact: Adrian Martinez  
 adrianmartinez@gflenv.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)