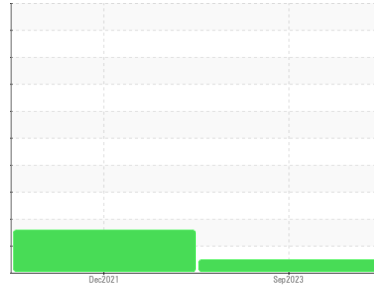




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**[18467]**  
 Machine Id  
**20-86**  
 Component  
**Right Final Drive**  
 Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### 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>WC0818622</b>	WC0601421	---
Sample Date	Client Info		<b>08 Sep 2023</b>	17 Dec 2021	---
Machine Age	hrs	Client Info	<b>5866</b>	5304	---
Oil Age	hrs	Client Info	<b>5866</b>	0	---
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>153</b>	436	---
Chromium	ppm	ASTM D5185m >10	<b>2</b>	4	---
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>1</b>	6	---
Lead	ppm	ASTM D5185m >25	<b>7</b>	▲ 27	---
Copper	ppm	ASTM D5185m >50	<b>21</b>	▲ 72	---
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	2	---
Antimony	ppm	ASTM D5185m >5	<b>---</b>	0	---
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>25</b>	196	---
Barium	ppm	ASTM D5185m 200	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 12	<b>&lt;1</b>	1	---
Manganese	ppm	ASTM D5185m	<b>3</b>	6	---
Magnesium	ppm	ASTM D5185m 12	<b>2</b>	5	---
Calcium	ppm	ASTM D5185m 150	<b>23</b>	79	---
Phosphorus	ppm	ASTM D5185m 1650	<b>380</b>	977	---
Zinc	ppm	ASTM D5185m 125	<b>12</b>	44	---
Sulfur	ppm	ASTM D5185m 22500	<b>19077</b>	16373	---

### CONTAMINANTS

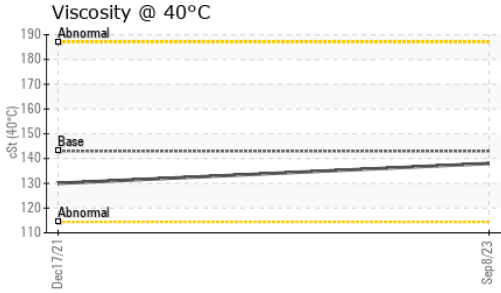
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>9</b>	30	---
Sodium	ppm	ASTM D5185m >170	<b>&lt;1</b>	5	---
Potassium	ppm	ASTM D5185m >20	<b>2</b>	9	---

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



# OIL ANALYSIS REPORT



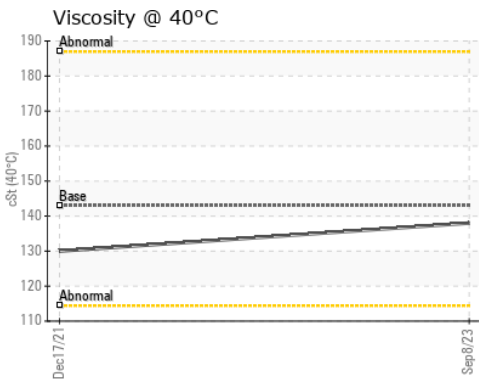
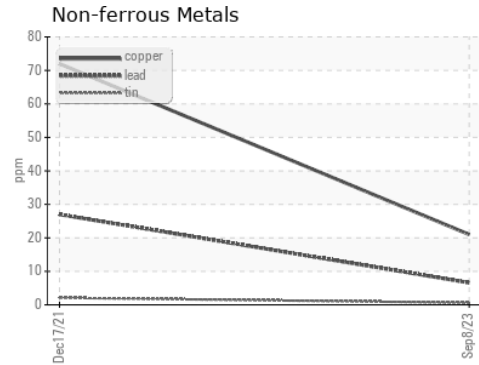
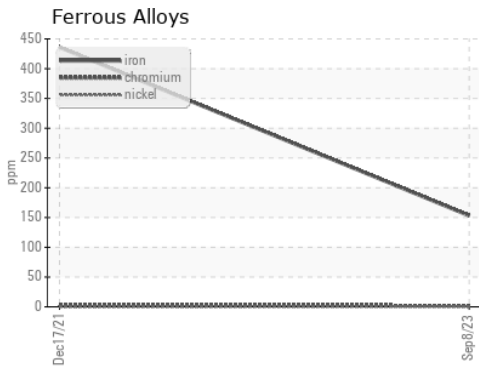
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	143	<b>138</b>	130	---

### SAMPLE IMAGES

method	limit/base	current	history1	history2	
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.** : WC0818622      **Received** : 03 Oct 2023  
**Lab Number** : **05968476**      **Diagnosed** : 04 Oct 2023  
**Unique Number** : 10675027      **Diagnostician** : Doug Bogart  
**Test Package** : CONST

**MANHATTAN ROAD AND BRIDGE**  
 5601 S 122ND E AVE  
 TULSA, OK  
 US 74146  
 Contact: BEN CALDWELL  
 kevin.marson@wearcheck.com  
 T: (918)728-5749  
 F:

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)