

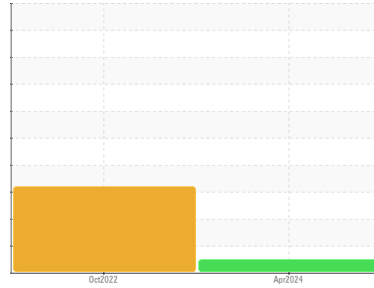


# OIL ANALYSIS REPORT



Machine Id  
**30-88L**  
 Component  
**Right Final Drive**  
 Fluid  
**{not provided} (--- GAL)**

### Sample Rating Trend



**NORMAL**



### 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>WC0936887</b>	WC0733272	---
Sample Date	Client Info		<b>22 Apr 2024</b>	15 Oct 2022	---
Machine Age	hrs	Client Info	<b>3114</b>	1980	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.075	<b>NEG</b>	NEG	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >750	<b>145</b>	▲ 1093	---
Chromium	ppm	ASTM D5185m >9	<b>1</b>	12	---
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	4	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >40	<b>7</b>	● 80	---
Lead	ppm	ASTM D5185m >15	<b>&lt;1</b>	1	---
Copper	ppm	ASTM D5185m >40	<b>0</b>	2	---
Tin	ppm	ASTM D5185m >10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Barium	ppm	ASTM D5185m	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	4	---
Manganese	ppm	ASTM D5185m	<b>2</b>	15	---
Magnesium	ppm	ASTM D5185m	<b>10</b>	108	---
Calcium	ppm	ASTM D5185m	<b>3857</b>	3721	---
Phosphorus	ppm	ASTM D5185m	<b>1454</b>	1015	---
Zinc	ppm	ASTM D5185m	<b>1605</b>	1171	---
Sulfur	ppm	ASTM D5185m	<b>5129</b>	4333	---

### CONTAMINANTS

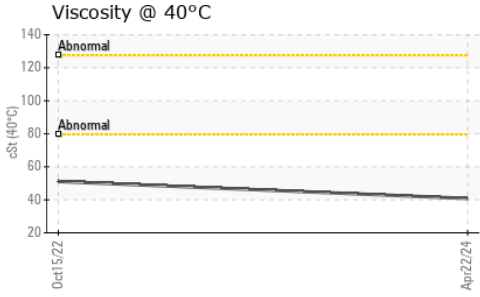
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>36</b>	▲ 342	---
Sodium	ppm	ASTM D5185m >51	<b>&lt;1</b>	6	---
Potassium	ppm	ASTM D5185m >20	<b>4</b>	18	---

### 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 >0.075	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual	<b>NEG</b>	NEG	---



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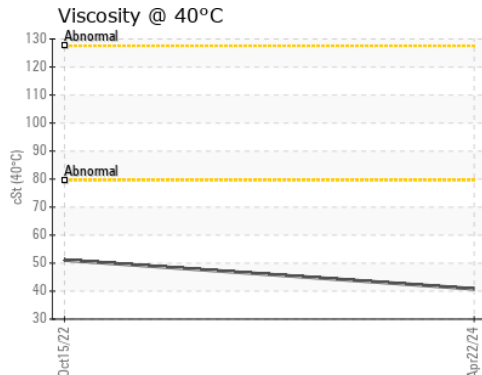
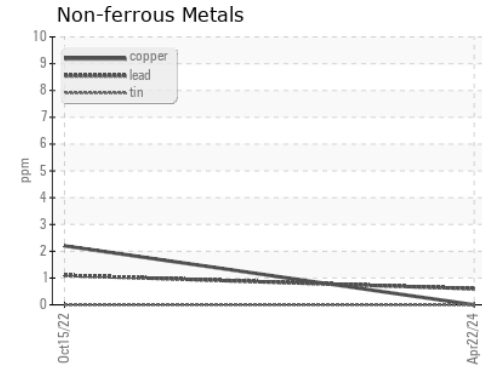
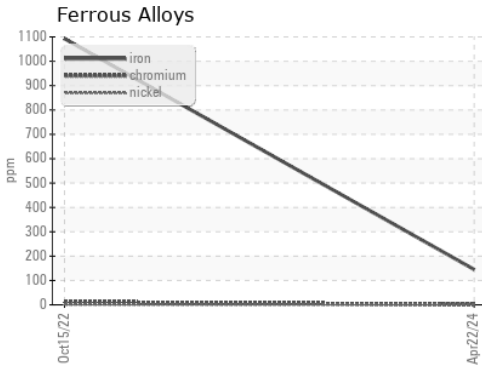
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	<b>40.8</b>	51.1	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			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.** : WC0936887      **Received** : 09 May 2024  
**Lab Number** : **06174336**      **Tested** : 10 May 2024  
**Unique Number** : 11020389      **Diagnosed** : 13 May 2024 - Don Baldrige  
**Test Package** : CONST

**MANHATTAN ROAD AND BRIDGE**  
 5601 S 122ND E AVE  
 TULSA, OK  
 US 74146  
 Contact: BEN CALDWELL  
 kevin.marson@wearcheck.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)

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F: