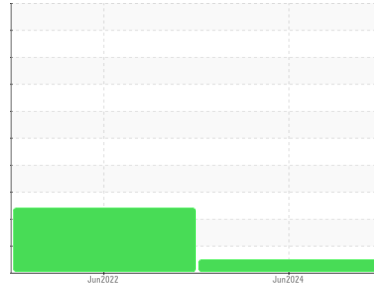




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**OKLAHOMA/102/EG - OTHER SERVICE**  
 Machine Id  
**87.29 [OKLAHOMA^102^EG - OTHER SERVICE]**  
 Component  
**Rear Left Final Drive**  
 Fluid  
**MOBIL MOBILUBE HD PLUS 85W140 (--- GAL)**

### DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor. ( Customer Sample Comment: 2734 hours )

**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>WC0925170</b>	WC0686927	---
Sample Date	Client Info		<b>04 Jun 2024</b>	28 Jun 2022	---
Machine Age	days	Client Info	<b>2734</b>	1823	---
Oil Age	days	Client Info	<b>1415</b>	1823	---
Oil Changed	Client Info		<b>N/A</b>	Changed	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>229</b>	▲ 888	---
Chromium	ppm	ASTM D5185m >10	<b>3</b>	9	---
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m >25	<b>4</b>	4	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	2	---
Tin	ppm	ASTM D5185m >10	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>157</b>	22	---
Barium	ppm	ASTM D5185m	<b>0</b>	6	---
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	2	---
Manganese	ppm	ASTM D5185m	<b>3</b>	8	---
Magnesium	ppm	ASTM D5185m	<b>4</b>	2	---
Calcium	ppm	ASTM D5185m	<b>88</b>	144	---
Phosphorus	ppm	ASTM D5185m	<b>1070</b>	353	---
Zinc	ppm	ASTM D5185m	<b>53</b>	65	---
Sulfur	ppm	ASTM D5185m	<b>29653</b>	17070	---

### CONTAMINANTS

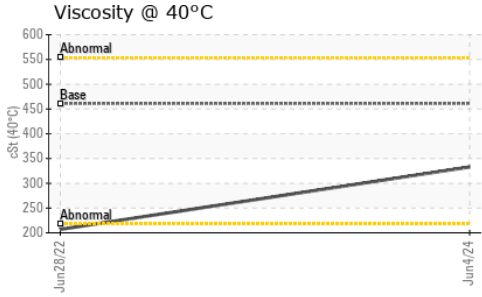
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>30</b>	7	---
Sodium	ppm	ASTM D5185m	<b>3</b>	7	---
Potassium	ppm	ASTM D5185m >20	<b>4</b>	18	---

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



# OIL ANALYSIS REPORT



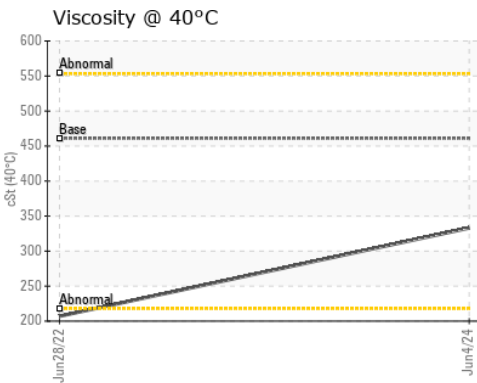
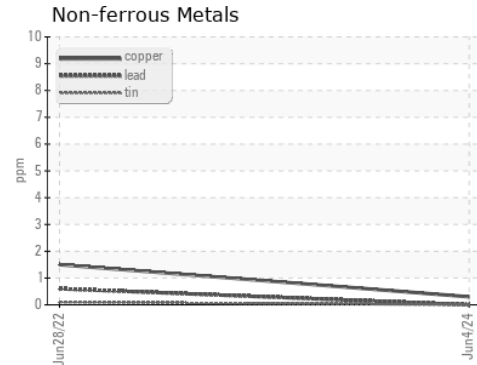
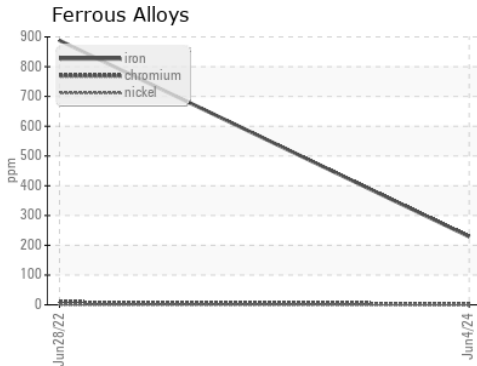
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	461	<b>333</b>	207	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS
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Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0925170  
**Lab Number** : **06205806**  
**Unique Number** : 11073267  
**Test Package** : CONST

**Received** : 10 Jun 2024  
**Tested** : 12 Jun 2024  
**Diagnosed** : 13 Jun 2024 - Sean Felton

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: DOUG KING  
 doug.king@sherwood.net  
 T: (316)617-3161  
 F: x:

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)