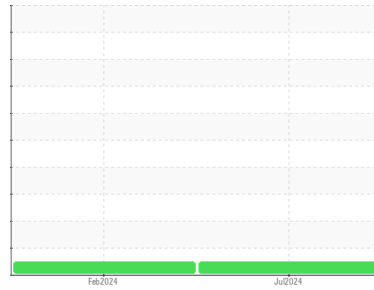




# OIL ANALYSIS REPORT

Area  
**OKLAHOMA/3/EG - TRUCK-OFF-HWY-HEAVY HAUL**  
 Machine Id  
**69.03 [OKLAHOMA^3^EG - TRUCK-OFF-HWY-HEAVY HAUL]**  
 Component  
**Rear Left Final Drive**  
 Fluid  
**MOBIL SHC 629 (--- GAL)**

### Sample Rating Trend



### 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>WC0945650</b>	WC0873988	---
Sample Date	Client Info		<b>01 Jul 2024</b>	26 Feb 2024	---
Machine Age	hrs	Client Info	<b>2525</b>	1448	---
Oil Age	hrs	Client Info	<b>0</b>	1448	---
Oil Changed	Client Info		<b>N/A</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

### 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	>800	<b>73</b>	63	---
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	1	---
Nickel	ppm	ASTM D5185m	>5	<b>2</b>	1	---
Titanium	ppm	ASTM D5185m	>15	<b>0</b>	<1	---
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>75	<b>&lt;1</b>	2	---
Lead	ppm	ASTM D5185m	>10	<b>3</b>	3	---
Copper	ppm	ASTM D5185m	>75	<b>28</b>	28	---
Tin	ppm	ASTM D5185m	>8	<b>5</b>	5	---
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		<b>88</b>	119	---
Barium	ppm	ASTM D5185m		<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>1</b>	1	---
Magnesium	ppm	ASTM D5185m		<b>5</b>	3	---
Calcium	ppm	ASTM D5185m		<b>489</b>	408	---
Phosphorus	ppm	ASTM D5185m		<b>418</b>	396	---
Zinc	ppm	ASTM D5185m		<b>78</b>	68	---
Sulfur	ppm	ASTM D5185m		<b>15698</b>	14573	---

### CONTAMINANTS

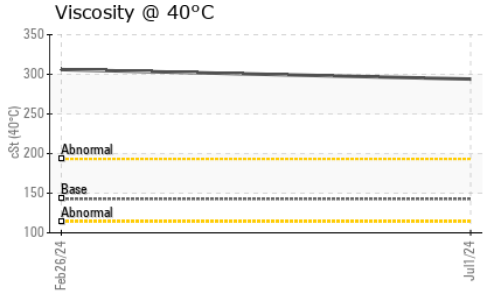
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>400	<b>17</b>	16	---
Sodium	ppm	ASTM D5185m		<b>6</b>	5	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	3	---

### 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

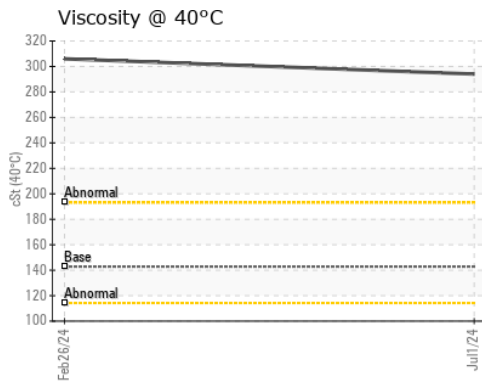
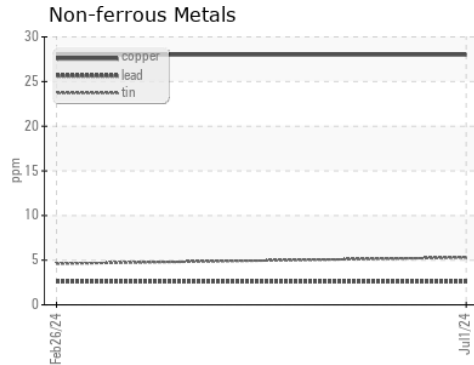
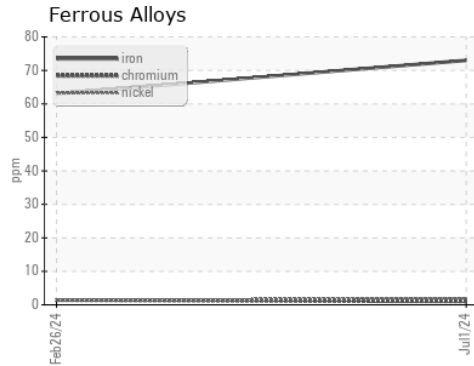


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	142.8	<b>294</b>	306	---

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0945650      **Received** : 15 Jul 2024  
**Lab Number** : **06237176**      **Tested** : 17 Jul 2024  
**Unique Number** : 11126010      **Diagnosed** : 17 Jul 2024 - Don Baldrige  
**Test Package** : CONST

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: BILL ORCUTT  
 william.orcutt@wildcat.net

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)

T:  
F: