



# OIL ANALYSIS REPORT

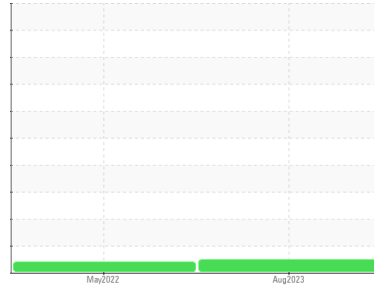
Sample Rating Trend

**NORMAL**



Area  
**OKLAHOMA/102**  
Machine Id  
**22.69L [OKLAHOMA^102]**

Component  
**Auxiliary Hoist**  
Fluid  
**MOBIL MOBILUBE HD PLUS 75W90 (--- 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>WC0833995</b>	WC0662461	---
Sample Date	Client Info		<b>07 Aug 2023</b>	13 May 2022	---
Machine Age	hrs	Client Info	<b>1535</b>	1070	---
Oil Age	hrs	Client Info	<b>465</b>	1070	---
Oil Changed	Client Info		<b>N/A</b>	Changed	---
Sample Status			<b>NORMAL</b>	ABNORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>300	<b>78</b>	75	---
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	2	---
Nickel	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>10	<b>5</b>	6	---
Lead	ppm	ASTM D5185m	>120	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>200	<b>2</b>	3	---
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</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>141</b>	6	---
Barium	ppm	ASTM D5185m		<b>6</b>	4	---
Molybdenum	ppm	ASTM D5185m		<b>13</b>	29	---
Manganese	ppm	ASTM D5185m		<b>3</b>	3	---
Magnesium	ppm	ASTM D5185m		<b>3755</b>	4631	---
Calcium	ppm	ASTM D5185m		<b>85</b>	56	---
Phosphorus	ppm	ASTM D5185m		<b>1087</b>	923	---
Zinc	ppm	ASTM D5185m		<b>408</b>	713	---
Sulfur	ppm	ASTM D5185m		<b>12051</b>	4153	---

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>75	<b>64</b>	56	---
Sodium	ppm	ASTM D5185m		<b>0</b>	4	---
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	---

## VISUAL

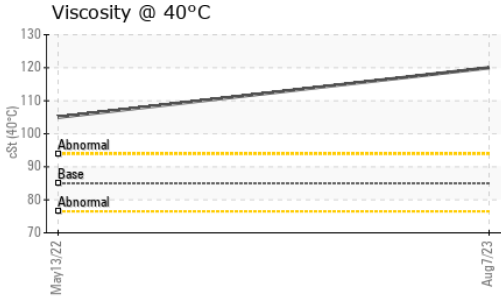
	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	---
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	>0.1	<b>NEG</b>	NEG	---
Free Water	scalar	*Visual		<b>NEG</b>	NEG	---

## FLUID PROPERTIES

	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	85	<b>120</b>	105	---

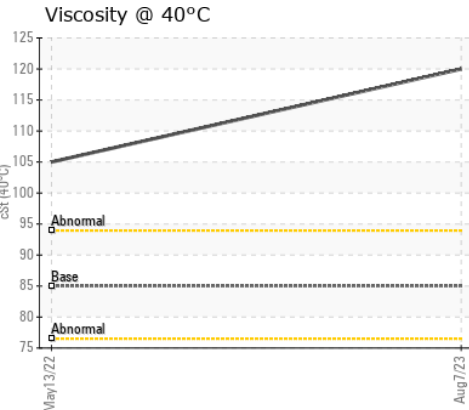
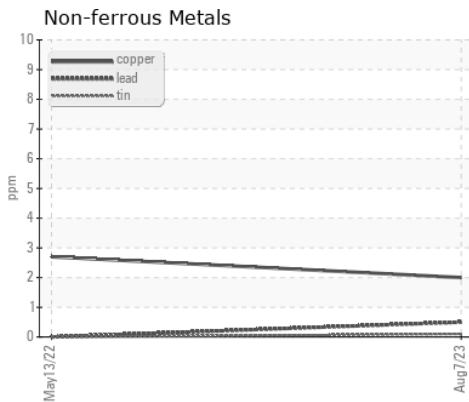
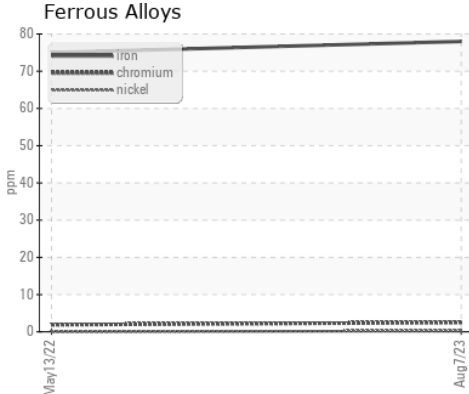


# OIL ANALYSIS REPORT



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.** : WC0833995      **Received** : 14 Aug 2023  
**Lab Number** : 05923758      **Diagnosed** : 15 Aug 2023  
**Unique Number** : 10603705      **Diagnostician** : Don Baldrige  
**Test Package** : CONST

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: DALE CASINO  
 dale.casino@sherwood.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: