

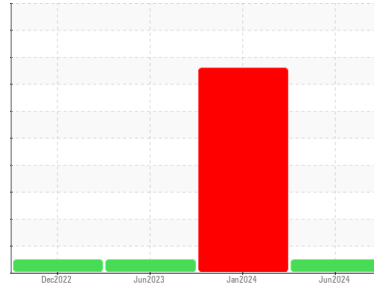


# OIL ANALYSIS REPORT



Area  
**OKLAHOMA/102/EG - SKID STEER**  
 Machine Id  
**53.170L [OKLAHOMA^102^EG - SKID STEER]**  
 Component  
**Right Chain Case**  
 Fluid  
**MOBIL MOBILTRANS AST 30 (--- 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 fluid.

### Fluid Condition

The condition of the fluid is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0908890</b>	WC0873975	WC0800860
Sample Date	Client Info		<b>25 Jun 2024</b>	03 Jan 2024	06 Jun 2023
Machine Age	hrs	Client Info	<b>2687</b>	2023	1416
Oil Age	hrs	Client Info	<b>664</b>	1000	1416
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Sample Status			<b>NORMAL</b>	SEVERE	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >632	<b>212</b>	▲ 1206	513
Chromium	ppm	ASTM D5185m >3	<b>2</b>	2	2
Nickel	ppm	ASTM D5185m >3	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	1	<1
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m >19	<b>6</b>	4	6
Lead	ppm	ASTM D5185m >6	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >46	<b>&lt;1</b>	4	2
Tin	ppm	ASTM D5185m >3	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>34</b>	62	49
Barium	ppm	ASTM D5185m	<b>2</b>	48	50
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	40	27
Manganese	ppm	ASTM D5185m	<b>2</b>	13	6
Magnesium	ppm	ASTM D5185m	<b>13</b>	455	324
Calcium	ppm	ASTM D5185m	<b>3137</b>	1609	1125
Phosphorus	ppm	ASTM D5185m	<b>1029</b>	856	649
Zinc	ppm	ASTM D5185m	<b>1188</b>	1110	795
Sulfur	ppm	ASTM D5185m	<b>4770</b>	3027	2479

## CONTAMINANTS

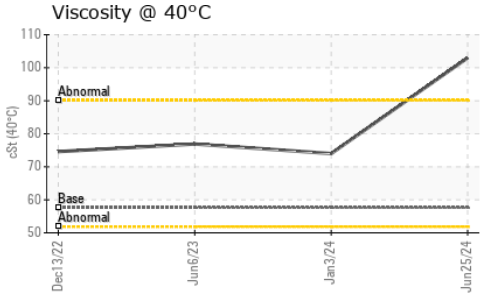
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >82	<b>40</b>	▲ 82	48
Sodium	ppm	ASTM D5185m	<b>0</b>	6	3
Potassium	ppm	ASTM D5185m >20	<b>4</b>	8	3

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	MODER	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	LIGHT
Debris	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >0.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG



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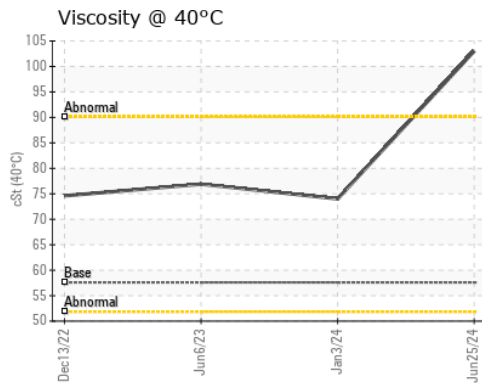
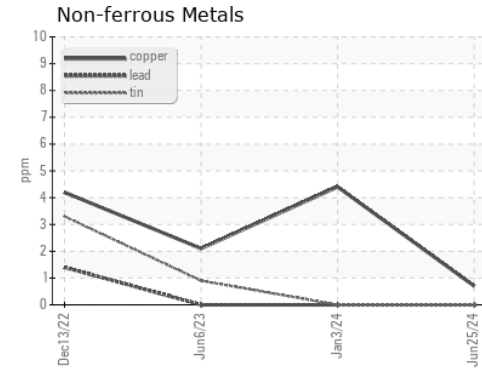
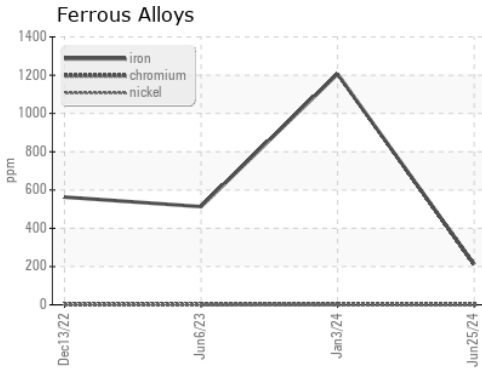


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.6	<b>103</b>	74.0	76.9

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.** : WC0908890  
**Lab Number** : **06235249**  
**Unique Number** : 11124083  
**Test Package** : CONST

**Received** : 12 Jul 2024  
**Tested** : 15 Jul 2024  
**Diagnosed** : 15 Jul 2024 - Sean Felton

**SHERWOOD CONSTRUCTION CO INC**  
 3219 WEST MAY ST  
 WICHITA, KS  
 US 67213  
 Contact: SHAWN SOUTH  
 shawn.south@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: x:

F: x: