

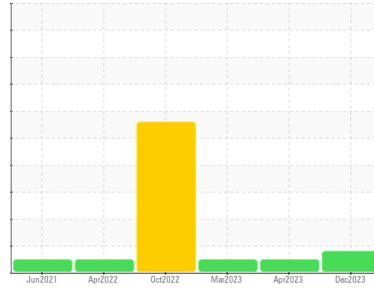


# OIL ANALYSIS REPORT



Area  
**OKLAHOMA/102/EG - ROLLER/COMPACTOR**  
Machine Id  
**64.35L [OKLAHOMA^102^EG - ROLLER/COMPACTOR]**  
Component  
**Hydraulic System**  
Fluid  
**MOBIL MOBILTRANS AST 30 (13 GAL)**

Sample Rating Trend



## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: 2672 hrs)

### Wear

All component wear rates are normal.

### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2	
Sample Number	Client Info	<b>WC0864285</b>	WC0746747	WC0746831	
Sample Date	Client Info	<b>18 Dec 2023</b>	24 Apr 2023	02 Mar 2023	
Machine Age	hrs	Client Info	<b>2672</b>	2222	1705
Oil Age	hrs	Client Info	<b>1040</b>	1040	1040
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A	
Sample Status		<b>ATTENTION</b>	NORMAL	NORMAL	

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	<b>9</b>	11	11
Chromium	ppm ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Nickel	ppm ASTM D5185m >10	<b>0</b>	0	0
Titanium	ppm ASTM D5185m	<b>0</b>	0	0
Silver	ppm ASTM D5185m	<b>0</b>	0	<1
Aluminum	ppm ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Lead	ppm ASTM D5185m >10	<b>&lt;1</b>	0	0
Copper	ppm ASTM D5185m >75	<b>7</b>	7	6
Tin	ppm ASTM D5185m >10	<b>0</b>	0	0
Vanadium	ppm ASTM D5185m	<b>0</b>	0	<1
Cadmium	ppm ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>12</b>	11	11
Barium	ppm ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185m	<b>0</b>	<1	<1
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	<1	<1
Magnesium	ppm ASTM D5185m	<b>14</b>	13	15
Calcium	ppm ASTM D5185m	<b>2044</b>	1955	1858
Phosphorus	ppm ASTM D5185m	<b>891</b>	749	820
Zinc	ppm ASTM D5185m	<b>1069</b>	916	1049
Sulfur	ppm ASTM D5185m	<b>3206</b>	3131	3256

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >20	<b>5</b>	5	7
Sodium	ppm ASTM D5185m	<b>3</b>	<1	2
Potassium	ppm ASTM D5185m >20	<b>&lt;1</b>	0	0

## FLUID CLEANLINESS

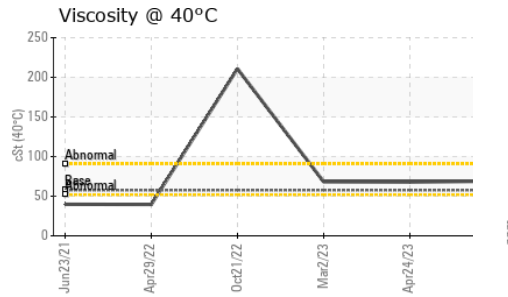
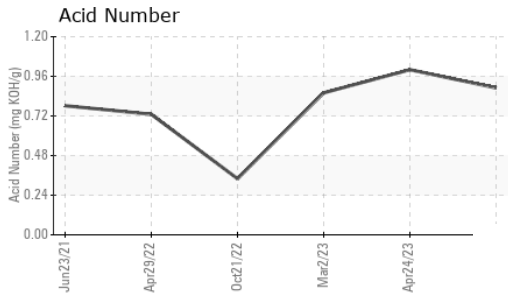
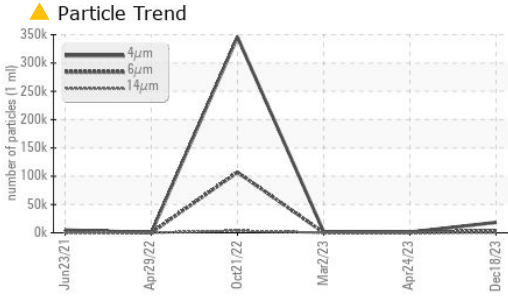
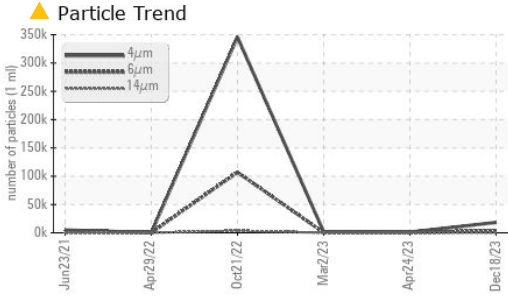
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>18341</b>	1240	1786
Particles >6µm	ASTM D7647 >2500	<b>▲ 3635</b>	236	314
Particles >14µm	ASTM D7647 >640	<b>134</b>	22	19
Particles >21µm	ASTM D7647 >160	<b>26</b>	5	4
Particles >38µm	ASTM D7647 >40	<b>1</b>	0	0
Particles >71µm	ASTM D7647 >10	<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c) >--/18/16	<b>▲ 21/19/14</b>	17/15/12	18/15/11

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.89</b>	1.00	0.86



# OIL ANALYSIS REPORT

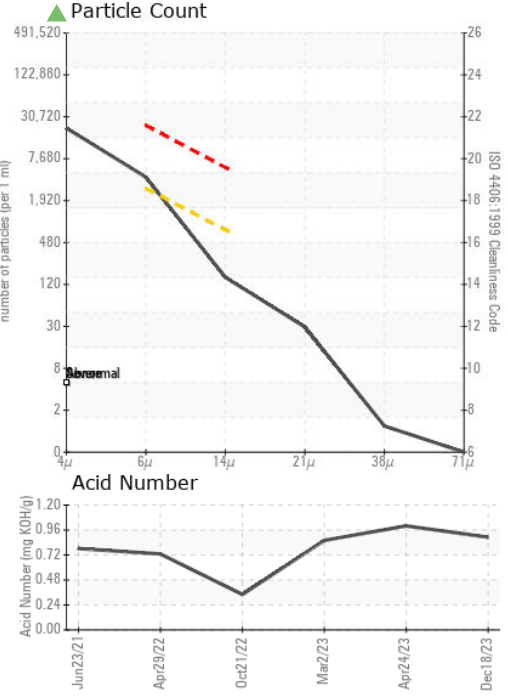
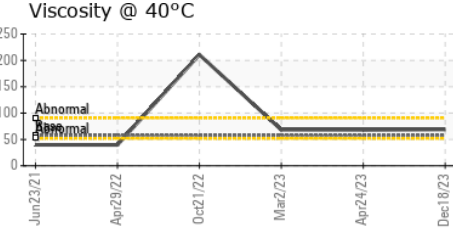
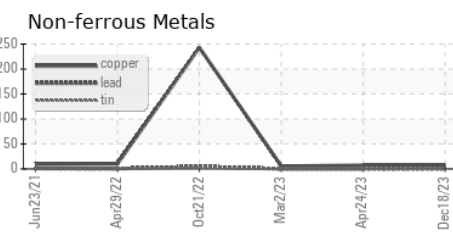
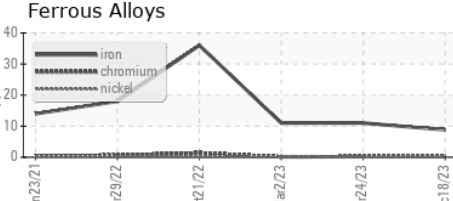


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.6	69.0	67.9	68.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0864285 **Received** : 10 Jan 2024  
**Lab Number** : 06056608 **Diagnosed** : 11 Jan 2024  
**Unique Number** : 10822557 **Diagnostician** : Doug Bogart  
**Test Package** : CONST

**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:

Certificate L2367  
 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)