

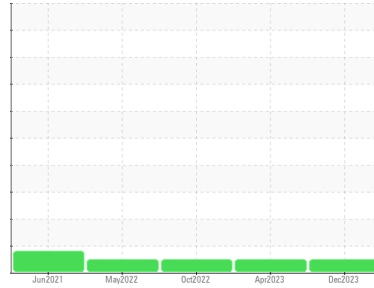


# OIL ANALYSIS REPORT



Area  
**OKLAHOMA/102/EG - ROLLER/COMPACTOR**  
 Machine Id  
**64.35L [OKLAHOMA^102^EG - ROLLER/COMPACTOR]**  
 Component  
**Left Final Drive**  
 Fluid  
**MOBIL MOBILTRANS HD 30 (1 GAL)**

Sample Rating Trend



**NORMAL**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: 2672 hrs )

### 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>WC0864287</b>	WC0746746	WC0746250
Sample Date	Client Info		<b>18 Dec 2023</b>	24 Apr 2023	21 Oct 2022
Machine Age	hrs	Client Info	<b>2672</b>	2222	1693
Oil Age	hrs	Client Info	<b>1180</b>	1180	480
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>NORMAL</b>	NORMAL	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	>800	<b>187</b>	133	122
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	1	1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	>15	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>2	<b>0</b>	<1	2
Aluminum	ppm	ASTM D5185m	>75	<b>2</b>	2	5
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>75	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>8	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>21</b>	18	17
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	2	2
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	2
Magnesium	ppm	ASTM D5185m		<b>23</b>	25	29
Calcium	ppm	ASTM D5185m		<b>3148</b>	3357	1717
Phosphorus	ppm	ASTM D5185m		<b>1006</b>	1036	617
Zinc	ppm	ASTM D5185m		<b>1232</b>	1296	746
Sulfur	ppm	ASTM D5185m		<b>4894</b>	5482	3510

## CONTAMINANTS

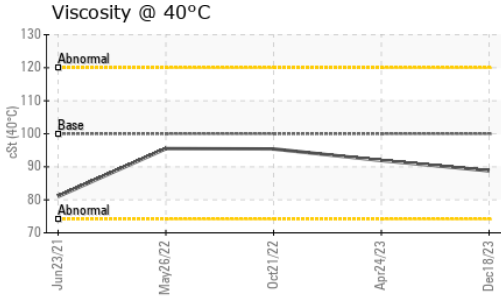
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>400	<b>15</b>	11	23
Sodium	ppm	ASTM D5185m		<b>1</b>	3	5
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	10

## VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	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	NONE
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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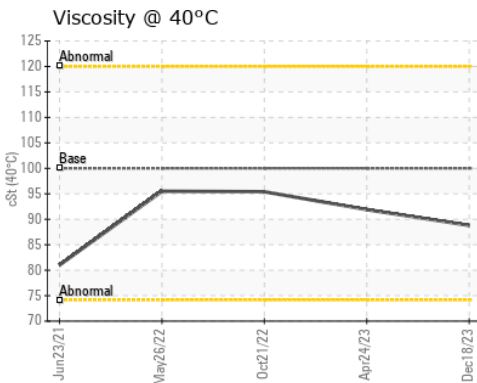
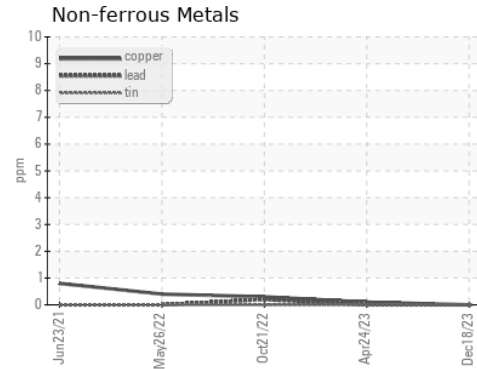
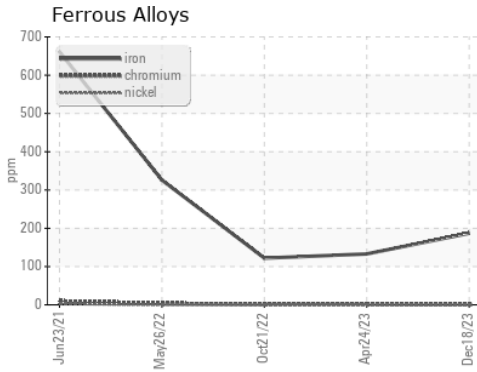
### FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	100	<b>88.8</b>	91.9

### SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0864287      **Received** : 10 Jan 2024  
**Lab Number** : **06057014**      **Diagnosed** : 11 Jan 2024  
**Unique Number** : 10822963      **Diagnostician** : Sean Felton  
**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:

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)