

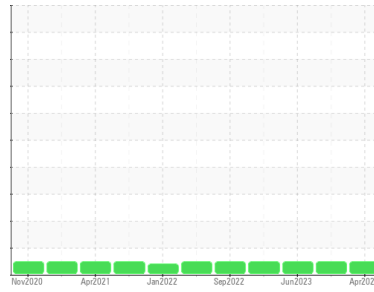


# OIL ANALYSIS REPORT



Area  
**OKLAHOMA/102/EG - ROLLER/COMPACTOR**  
 Machine Id  
**63.04 [OKLAHOMA^102^EG - ROLLER/COMPACTOR]**  
 Component  
**Transmission (Manual)**  
 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>WC0914575</b>   | WC0864278   | WC0800777   |
| Sample Date   | Client Info |             | <b>12 Apr 2024</b> | 06 Dec 2023 | 02 Jun 2023 |
| Machine Age   | hrs         | Client Info | <b>8345</b>        | 8151        | 7330        |
| Oil Age       | hrs         | Client Info | <b>500</b>         | 721         | 1030        |
| Oil Changed   |             | Client Info | <b>N/A</b>         | N/A         | Changed     |
| Sample Status |             |             | <b>NORMAL</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 | >200    | <b>4</b>     | 4        | 10 |
| Chromium | ppm    | ASTM D5185m | >5      | <b>&lt;1</b> | 0        | <1 |
| Nickel   | ppm    | ASTM D5185m | >5      | <b>0</b>     | 0        | 0  |
| Titanium | ppm    | ASTM D5185m |         | <b>&lt;1</b> | 0        | 0  |
| Silver   | ppm    | ASTM D5185m | >7      | <b>0</b>     | 0        | 0  |
| Aluminum | ppm    | ASTM D5185m | >25     | <b>1</b>     | <1       | 1  |
| Lead     | ppm    | ASTM D5185m | >45     | <b>&lt;1</b> | 0        | <1 |
| Copper   | ppm    | ASTM D5185m | >225    | <b>1</b>     | <1       | 3  |
| Tin      | ppm    | ASTM D5185m | >10     | <b>1</b>     | 0        | 0  |
| Vanadium | ppm    | ASTM D5185m |         | <b>&lt;1</b> | 0        | 0  |
| Cadmium  | ppm    | ASTM D5185m |         | <b>&lt;1</b> | 0        | 0  |

### ADDITIVES

|            | method | limit/base  | current | history1     | history2 |      |
|------------|--------|-------------|---------|--------------|----------|------|
| Boron      | ppm    | ASTM D5185m |         | <b>47</b>    | 34       | 33   |
| Barium     | ppm    | ASTM D5185m |         | <b>0</b>     | 0        | 0    |
| Molybdenum | ppm    | ASTM D5185m |         | <b>&lt;1</b> | 0        | <1   |
| Manganese  | ppm    | ASTM D5185m |         | <b>&lt;1</b> | <1       | <1   |
| Magnesium  | ppm    | ASTM D5185m |         | <b>13</b>    | 14       | 18   |
| Calcium    | ppm    | ASTM D5185m |         | <b>3101</b>  | 3032     | 3153 |
| Phosphorus | ppm    | ASTM D5185m |         | <b>995</b>   | 944      | 1041 |
| Zinc       | ppm    | ASTM D5185m |         | <b>1215</b>  | 1128     | 1292 |
| Sulfur     | ppm    | ASTM D5185m |         | <b>5195</b>  | 4963     | 5942 |

### CONTAMINANTS

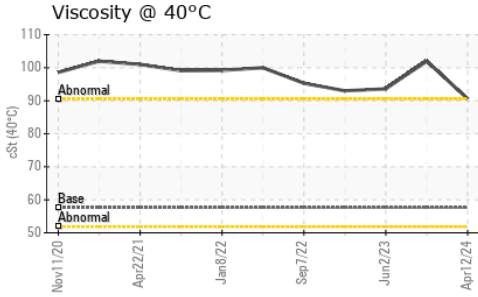
|           | method | limit/base  | current | history1     | history2 |   |
|-----------|--------|-------------|---------|--------------|----------|---|
| Silicon   | ppm    | ASTM D5185m | >125    | <b>5</b>     | 5        | 5 |
| Sodium    | ppm    | ASTM D5185m |         | <b>2</b>     | <1       | 2 |
| Potassium | ppm    | ASTM D5185m | >20     | <b>&lt;1</b> | 0        | 0 |

### 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    | >0.1    | <b>NEG</b>   | NEG      | NEG   |
| Free Water       | scalar | *Visual    |         | <b>NEG</b>   | NEG      | NEG   |



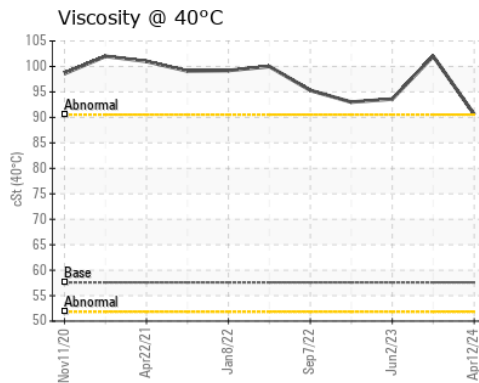
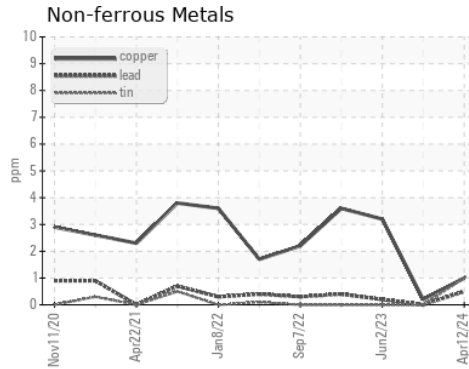
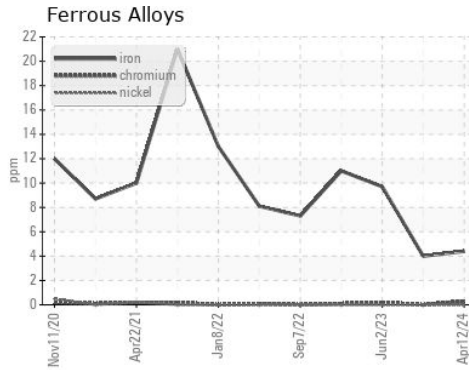
# OIL ANALYSIS REPORT



| FLUID PROPERTIES | method | limit/base | current | history1    | history2 |      |
|------------------|--------|------------|---------|-------------|----------|------|
| Visc @ 40°C      | cSt    | ASTM D445  | 57.6    | <b>90.6</b> | 102      | 93.6 |

| 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.** : WC0914575  
**Lab Number** : **06156480**  
**Unique Number** : 10991903  
**Test Package** : CONST

**Received** : 22 Apr 2024  
**Tested** : 23 Apr 2024  
**Diagnosed** : 24 Apr 2024 - Jonathan Hester

**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)