



OIL ANALYSIS REPORT

|                 |          |
|-----------------|----------|
| WEAR            | NORMAL   |
| CONTAMINATION   | ABNORMAL |
| FLUID CONDITION | NORMAL   |

Machine Id  
**TELESQUIRT LADDER 9**

Component  
**Hydraulic System**

Fluid  
**{not provided} (--- GAL)**

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>WC0907054</b>   | WC0818298   | WC0684008   |
| Sample Date    |     | Client Info |           | <b>07 Mar 2024</b> | 24 May 2023 | 04 May 2022 |
| Machine Age    | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Age        | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Filter Age     | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Oil Changed    |     | Client Info |           | <b>Not Changed</b> | N/A         | Not Changed |
| Filter Changed |     | Client Info |           | <b>Not Changed</b> | N/A         | Not Changed |
| Sample Status  |     |             |           | <b>ABNORMAL</b>    | ABNORMAL    | ABNORMAL    |

**WEAR**

All component wear rates are normal.

|              |        |             |      |             |      |      |
|--------------|--------|-------------|------|-------------|------|------|
| Iron         | ppm    | ASTM D5185m | >20  | <b>2</b>    | 3    | 3    |
| Chromium     | ppm    | ASTM D5185m | >10  | <b>0</b>    | 0    | <1   |
| Nickel       | ppm    | ASTM D5185m | >10  | <b>0</b>    | <1   | <1   |
| Titanium     | ppm    | ASTM D5185m |      | <b>0</b>    | 0    | 0    |
| Silver       | ppm    | ASTM D5185m |      | <b>0</b>    | 0    | <1   |
| Aluminum     | ppm    | ASTM D5185m | >10  | <b>0</b>    | 0    | <1   |
| Lead         | ppm    | ASTM D5185m | >10  | <b>0</b>    | 0    | 0    |
| Copper       | ppm    | ASTM D5185m | >75  | <b>3</b>    | 3    | 4    |
| Tin          | ppm    | ASTM D5185m | >10  | <b>0</b>    | 0    | <1   |
| Vanadium     | ppm    | ASTM D5185m |      | <b>0</b>    | 0    | 0    |
| White Metal  | scalar | *Visual     | NONE | <b>NONE</b> | NONE | NONE |
| Yellow Metal | scalar | *Visual     | NONE | <b>NONE</b> | NONE | NONE |

**CONTAMINATION**

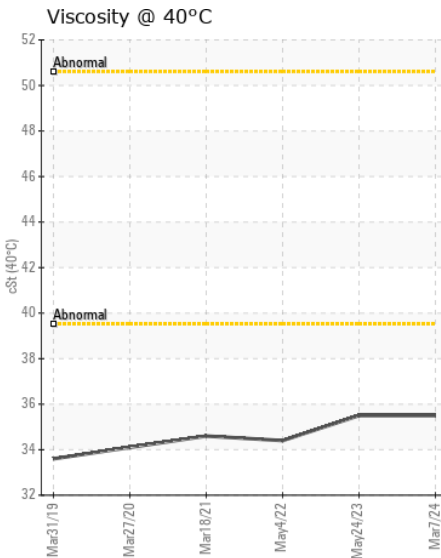
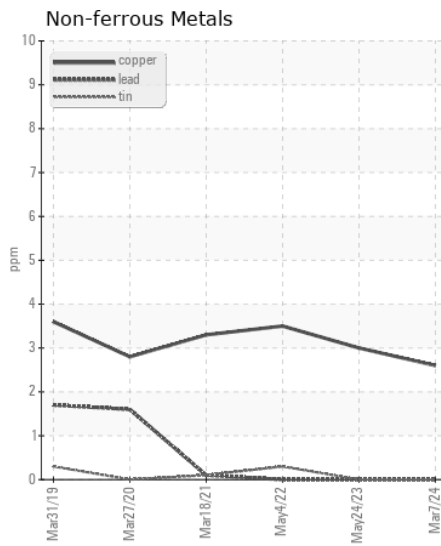
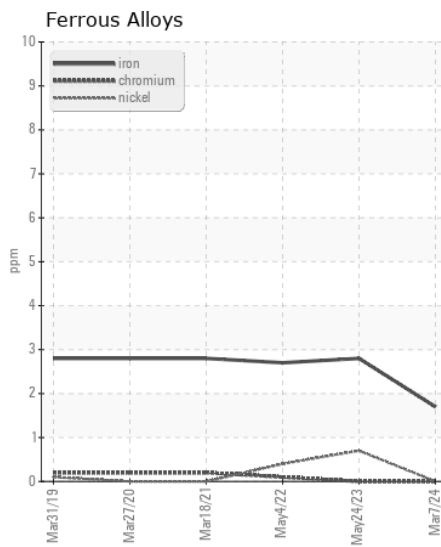
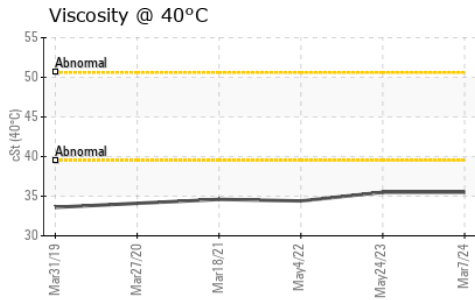
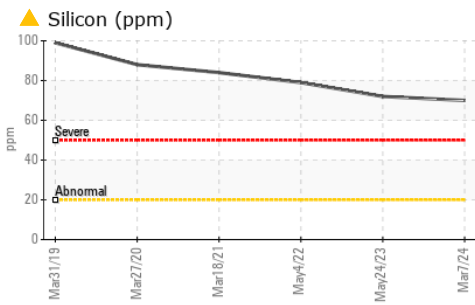
Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

|                  |        |             |       |              |         |       |
|------------------|--------|-------------|-------|--------------|---------|-------|
| Silicon          | ppm    | ASTM D5185m | >20   | <b>▲ 70</b>  | ▲ 72    | ▲ 79  |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>6</b>     | 1       | 0     |
| Water            |        | WC Method   | >0.1  | <b>NEG</b>   | NEG     | NEG   |
| Silt             | scalar | *Visual     | NONE  | <b>NONE</b>  | NONE    | NONE  |
| Debris           | scalar | *Visual     | NONE  | <b>NONE</b>  | ▲ MODER | 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   |

**FLUID CONDITION**

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

|             |     |             |  |              |      |      |
|-------------|-----|-------------|--|--------------|------|------|
| Sodium      | ppm | ASTM D5185m |  | <b>1</b>     | 0    | <1   |
| Boron       | ppm | ASTM D5185m |  | <b>1</b>     | 2    | 5    |
| Barium      | ppm | ASTM D5185m |  | <b>0</b>     | 0    | 0    |
| Molybdenum  | ppm | ASTM D5185m |  | <b>&lt;1</b> | 2    | 2    |
| Manganese   | ppm | ASTM D5185m |  | <b>0</b>     | 0    | 0    |
| Magnesium   | ppm | ASTM D5185m |  | <b>6</b>     | 11   | 12   |
| Calcium     | ppm | ASTM D5185m |  | <b>732</b>   | 883  | 554  |
| Phosphorus  | ppm | ASTM D5185m |  | <b>303</b>   | 407  | 366  |
| Zinc        | ppm | ASTM D5185m |  | <b>421</b>   | 524  | 407  |
| Sulfur      | ppm | ASTM D5185m |  | <b>1963</b>  | 2362 | 1777 |
| Visc @ 40°C | cSt | ASTM D445   |  | <b>35.5</b>  | 35.5 | 34.4 |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0907054  
**Lab Number** : 06121245  
**Unique Number** : 10930078  
**Test Package** : FLEET  
**Received** : 18 Mar 2024  
**Tested** : 19 Mar 2024  
**Diagnosed** : 20 Mar 2024 - Don Baldrige

**BALD KNOB FIRE DEPT**  
 2404 HWY 367 N  
 BALD KNOB, AR  
 US 72010  
 Contact: DANNY HALOBAUGH

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: (501)724-3000

F: