



# OIL ANALYSIS REPORT

|                 |               |
|-----------------|---------------|
| WEAR            | <b>NORMAL</b> |
| CONTAMINATION   | <b>NORMAL</b> |
| FLUID CONDITION | <b>NORMAL</b> |

Machine Id  
**VOLVO LADDER 2841 (S/N 9602975)**  
 Component  
**Hydraulic System**  
 Fluid  
**AW HYDRAULIC OIL ISO 32 (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

## WEAR

All component wear rates are normal.

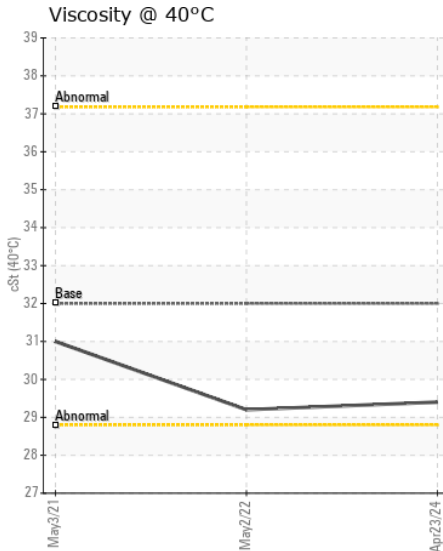
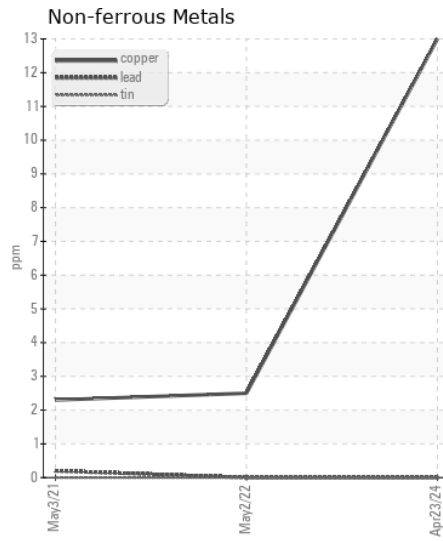
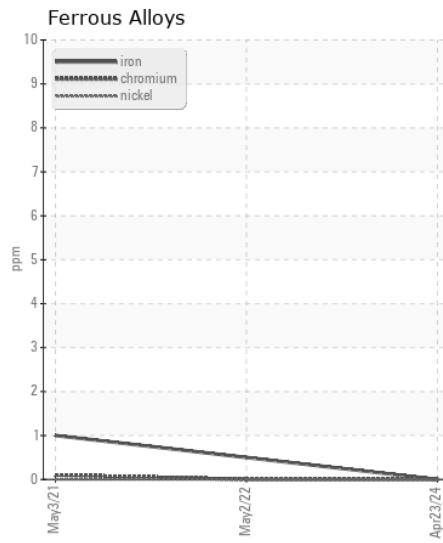
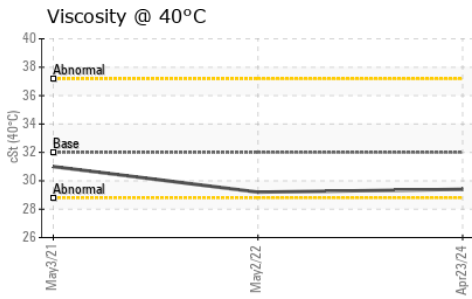
## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

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

| Test             | UOM    | Method      | Limit/Abn | Current            | History1    | History2    |
|------------------|--------|-------------|-----------|--------------------|-------------|-------------|
| Sample Number    |        | Client Info |           | <b>WC0930912</b>   | WC0658141   | WC0544035   |
| Sample Date      |        | Client Info |           | <b>23 Apr 2024</b> | 02 May 2022 | 03 May 2021 |
| 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>N/A</b>         | Not Changd  | Not Changd  |
| Filter Changed   |        | Client Info |           | <b>N/A</b>         | Not Changd  | Not Changd  |
| Sample Status    |        |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |
| Iron             | ppm    | ASTM D5185m | >20       | <b>0</b>           | <1          | 1           |
| Chromium         | ppm    | ASTM D5185m | >10       | <b>0</b>           | 0           | <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>           | 8           | 0           |
| Aluminum         | ppm    | ASTM D5185m | >10       | <b>0</b>           | <1          | <1          |
| Lead             | ppm    | ASTM D5185m | >10       | <b>0</b>           | 0           | <1          |
| Copper           | ppm    | ASTM D5185m | >75       | <b>13</b>          | 2           | 2           |
| Tin              | ppm    | ASTM D5185m | >10       | <b>0</b>           | 0           | 0           |
| Vanadium         | ppm    | ASTM D5185m |           | <b>0</b>           | 0           | 0           |
| White Metal      | scalar | *Visual     | NONE      | <b>NONE</b>        | NONE        | LIGHT       |
| Yellow Metal     | scalar | *Visual     | NONE      | <b>NONE</b>        | NONE        | NONE        |
| Silicon          | ppm    | ASTM D5185m | >20       | <b>2</b>           | 2           | 3           |
| Potassium        | ppm    | ASTM D5185m | >20       | <b>0</b>           | 0           | 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>        | 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         |
| Sodium           | ppm    | ASTM D5185m |           | <b>2</b>           | 2           | 3           |
| Boron            | ppm    | ASTM D5185m | 5         | <b>0</b>           | 2           | 5           |
| Barium           | ppm    | ASTM D5185m | 5         | <b>0</b>           | 0           | 0           |
| Molybdenum       | ppm    | ASTM D5185m | 5         | <b>0</b>           | <1          | <1          |
| Manganese        | ppm    | ASTM D5185m |           | <b>0</b>           | 0           | 0           |
| Magnesium        | ppm    | ASTM D5185m | 25        | <b>5</b>           | 8           | 10          |
| Calcium          | ppm    | ASTM D5185m | 200       | <b>191</b>         | 163         | 190         |
| Phosphorus       | ppm    | ASTM D5185m | 300       | <b>421</b>         | 393         | 411         |
| Zinc             | ppm    | ASTM D5185m | 370       | <b>603</b>         | 584         | 624         |
| Sulfur           | ppm    | ASTM D5185m | 2500      | <b>4891</b>        | 3725        | 4004        |
| Visc @ 40°C      | cSt    | ASTM D445   | 32        | <b>29.4</b>        | 29.2        | 31.0        |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0930912  
**Lab Number** : 06176408  
**Unique Number** : 11022461  
**Test Package** : FLEET

**Received** : 10 May 2024  
**Tested** : 13 May 2024  
**Diagnosed** : 14 May 2024 - Wes Davis

**SCOTT CITY FIRE DEPT**  
 618 MAIN ST  
 SCOTT CITY, MO  
 US 63780

Contact: SHAWN JACKSON  
 SHAWNJACKSON@OUTLOOK.COM

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: (573)364-2126

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