



OIL ANALYSIS REPORT

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



Area  
**[W02008430]**  
Machine Id  
**VOLVO L70H 622409**  
Component  
**Rear Axle**  
Fluid  
**{not provided} (--- GAL)**

**RECOMMENDATION**

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. ( Customer Sample Comment: W0200842I30 )

**WEAR**

Bearing and/or bushing wear is indicated.

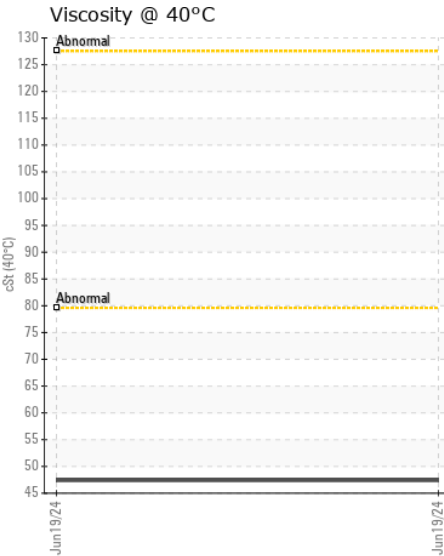
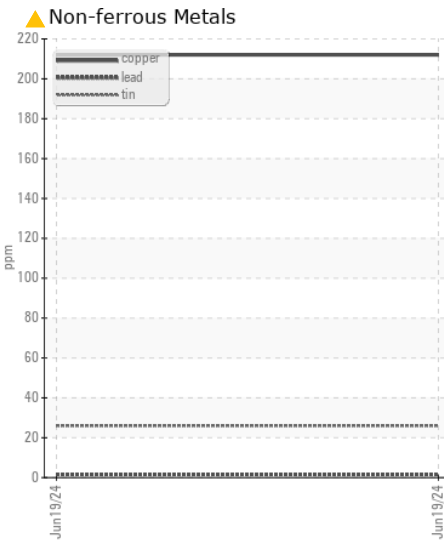
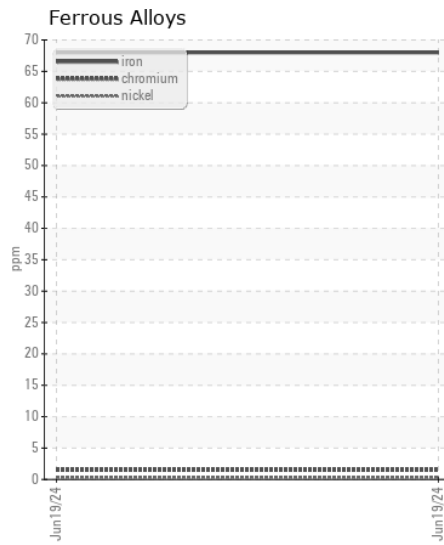
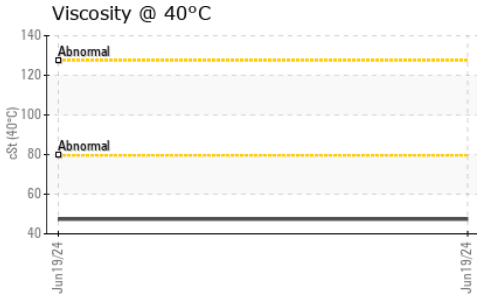
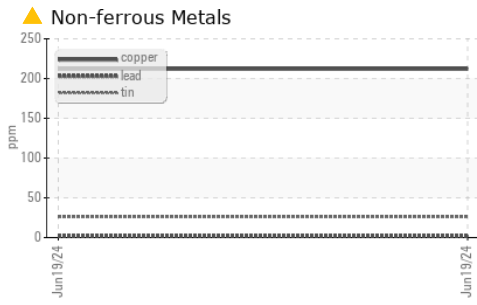
**CONTAMINATION**

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>ML0002487</b>   | ---      | ---      |
| Sample Date      |        | Client Info |           | <b>19 Jun 2024</b> | ---      | ---      |
| Machine Age      | hrs    | Client Info |           | <b>12321</b>       | ---      | ---      |
| Oil Age          | hrs    | Client Info |           | <b>12321</b>       | ---      | ---      |
| Filter Age       | hrs    | Client Info |           | <b>0</b>           | ---      | ---      |
| Oil Changed      |        | Client Info |           | <b>N/A</b>         | ---      | ---      |
| Filter Changed   |        | Client Info |           | <b>N/A</b>         | ---      | ---      |
| Sample Status    |        |             |           | <b>ABNORMAL</b>    | ---      | ---      |
| Iron             | ppm    | ASTM D5185m | >500      | <b>68</b>          | ---      | ---      |
| Chromium         | ppm    | ASTM D5185m | >20       | <b>2</b>           | ---      | ---      |
| Nickel           | ppm    | ASTM D5185m | >10       | <b>&lt;1</b>       | ---      | ---      |
| Titanium         | ppm    | ASTM D5185m |           | <b>&lt;1</b>       | ---      | ---      |
| Silver           | ppm    | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| Aluminum         | ppm    | ASTM D5185m | >30       | <b>4</b>           | ---      | ---      |
| Lead             | ppm    | ASTM D5185m | >50       | <b>2</b>           | ---      | ---      |
| Copper           | ppm    | ASTM D5185m | >120      | <b>▲ 212</b>       | ---      | ---      |
| Tin              | ppm    | ASTM D5185m | >20       | <b>▲ 26</b>        | ---      | ---      |
| Vanadium         | ppm    | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| White Metal      | scalar | *Visual     | NONE      | <b>NONE</b>        | ---      | ---      |
| Yellow Metal     | scalar | *Visual     | NONE      | <b>NONE</b>        | ---      | ---      |
| Silicon          | ppm    | ASTM D5185m | >50       | <b>24</b>          | ---      | ---      |
| Potassium        | ppm    | ASTM D5185m | >20       | <b>3</b>           | ---      | ---      |
| Water            |        | WC Method   | >0.2      | <b>NEG</b>         | ---      | ---      |
| Silt             | scalar | *Visual     | NONE      | <b>NONE</b>        | ---      | ---      |
| Debris           | scalar | *Visual     | NONE      | <b>NONE</b>        | ---      | ---      |
| Sand/Dirt        | scalar | *Visual     | NONE      | <b>NONE</b>        | ---      | ---      |
| Appearance       | scalar | *Visual     | NORML     | <b>NORML</b>       | ---      | ---      |
| Odor             | scalar | *Visual     | NORML     | <b>NORML</b>       | ---      | ---      |
| Emulsified Water | scalar | *Visual     | >0.2      | <b>NEG</b>         | ---      | ---      |
| Sodium           | ppm    | ASTM D5185m |           | <b>6</b>           | ---      | ---      |
| Boron            | ppm    | ASTM D5185m |           | <b>119</b>         | ---      | ---      |
| Barium           | ppm    | ASTM D5185m |           | <b>0</b>           | ---      | ---      |
| Molybdenum       | ppm    | ASTM D5185m |           | <b>&lt;1</b>       | ---      | ---      |
| Manganese        | ppm    | ASTM D5185m |           | <b>3</b>           | ---      | ---      |
| Magnesium        | ppm    | ASTM D5185m |           | <b>20</b>          | ---      | ---      |
| Calcium          | ppm    | ASTM D5185m |           | <b>3808</b>        | ---      | ---      |
| Phosphorus       | ppm    | ASTM D5185m |           | <b>1317</b>        | ---      | ---      |
| Zinc             | ppm    | ASTM D5185m |           | <b>1534</b>        | ---      | ---      |
| Sulfur           | ppm    | ASTM D5185m |           | <b>9188</b>        | ---      | ---      |
| Visc @ 40°C      | cSt    | ASTM D445   |           | <b>47.4</b>        | ---      | ---      |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ML0002487  
**Lab Number** : 06216376  
**Unique Number** : 11089240  
**Test Package** : CONST  
**Received** : 20 Jun 2024  
**Tested** : 21 Jun 2024  
**Diagnosed** : 23 Jun 2024 - Don Baldrige

**WILLIAM HAZEL**  
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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)

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