



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[715079 RENTALS]**  
 Machine Id  
**VOLVO A25G 752922**  
 Component  
**Rear Axle**  
 Fluid  
**VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

| Test           | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number  |     | Client Info |           | <b>VCP451236</b>   | VCP437955   | VCP436605   |
| Sample Date    |     | Client Info |           | <b>06 May 2024</b> | 29 Jan 2024 | 29 Jan 2024 |
| Machine Age    | hrs | Client Info |           | <b>1092</b>        | 549         | 549         |
| 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>Changed</b>     | Changed     | Changed     |
| Filter Changed |     | Client Info |           | <b>N/A</b>         | Not Changed | Not Changed |
| Sample Status  |     |             |           | <b>NORMAL</b>      | ATTENTION   | ATTENTION   |

### WEAR

All component wear rates are normal.

|              |        |             |      |              |      |      |
|--------------|--------|-------------|------|--------------|------|------|
| Iron         | ppm    | ASTM D5185m | >900 | <b>203</b>   | 260  | 267  |
| Chromium     | ppm    | ASTM D5185m | >20  | <b>4</b>     | 6    | 6    |
| Nickel       | ppm    | ASTM D5185m | >10  | <b>3</b>     | 4    | 4    |
| Titanium     | ppm    | ASTM D5185m |      | <b>0</b>     | <1   | <1   |
| Silver       | ppm    | ASTM D5185m |      | <b>0</b>     | 0    | 0    |
| Aluminum     | ppm    | ASTM D5185m | >30  | <b>0</b>     | <1   | <1   |
| Lead         | ppm    | ASTM D5185m | >50  | <b>1</b>     | <1   | <1   |
| Copper       | ppm    | ASTM D5185m | >150 | <b>19</b>    | 28   | 27   |
| Tin          | ppm    | ASTM D5185m | >20  | <b>&lt;1</b> | 1    | 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

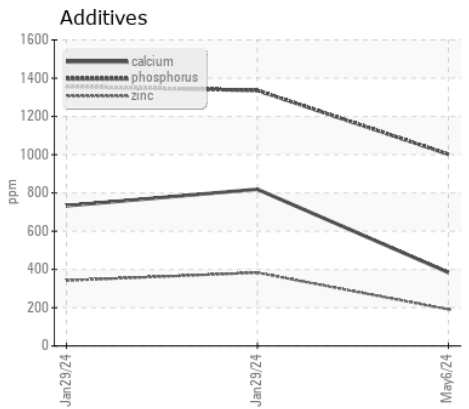
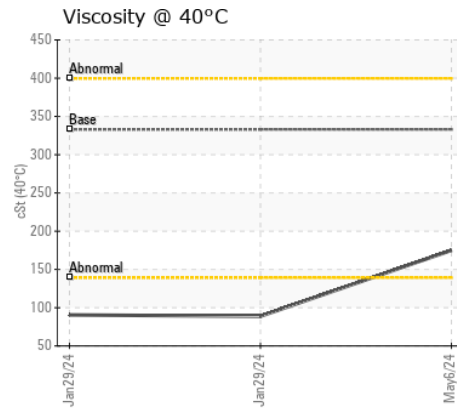
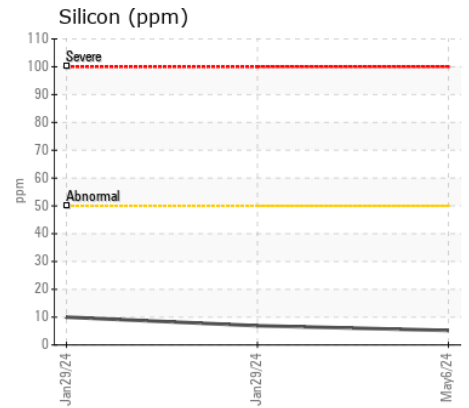
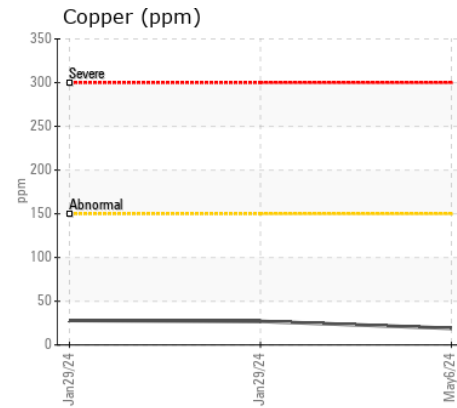
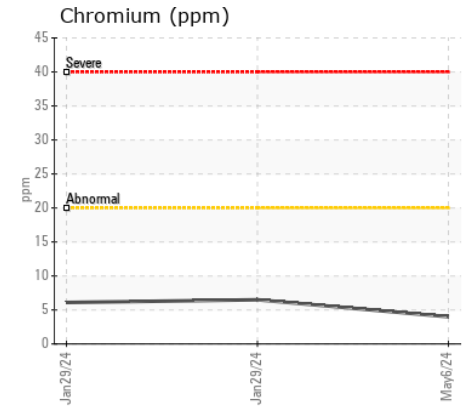
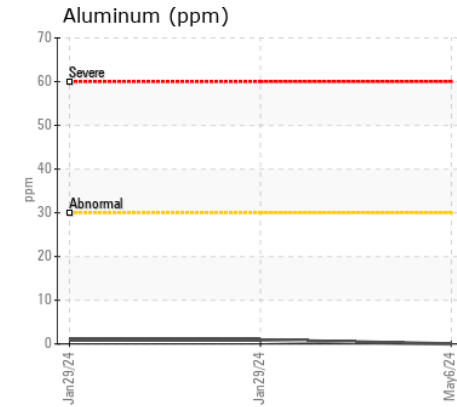
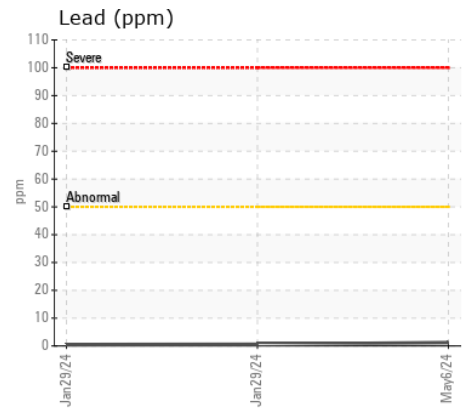
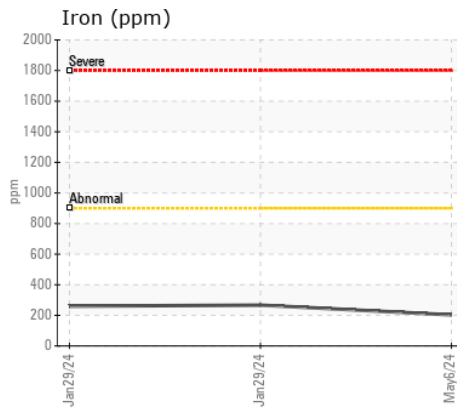
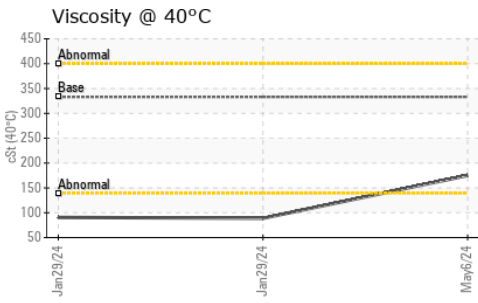
There is no indication of any contamination in the oil.

|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >50   | <b>5</b>     | 10    | 7     |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>2</b>     | 5     | 6     |
| Water            |        | WC Method   | >0.2  | <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     | >0.2  | <b>NEG</b>   | NEG   | NEG   |

### FLUID CONDITION

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

|             |     |             |       |              |        |        |
|-------------|-----|-------------|-------|--------------|--------|--------|
| Sodium      | ppm | ASTM D5185m |       | <b>&lt;1</b> | 0      | 0      |
| Boron       | ppm | ASTM D5185m | 111   | <b>129</b>   | ● 260  | ● 262  |
| Barium      | ppm | ASTM D5185m | 0.0   | <b>3</b>     | 0      | 0      |
| Molybdenum  | ppm | ASTM D5185m | 0.9   | <b>8</b>     | 9      | 12     |
| Manganese   | ppm | ASTM D5185m | 0.0   | <b>7</b>     | 11     | 11     |
| Magnesium   | ppm | ASTM D5185m | 39    | <b>4</b>     | 4      | 3      |
| Calcium     | ppm | ASTM D5185m | 93    | <b>384</b>   | 819    | 733    |
| Phosphorus  | ppm | ASTM D5185m | 920   | <b>1002</b>  | ● 1336 | ● 1357 |
| Zinc        | ppm | ASTM D5185m | 104   | <b>191</b>   | ● 383  | 342    |
| Sulfur      | ppm | ASTM D5185m | 20179 | <b>23927</b> | 20531  | 22603  |
| Visc @ 40°C | cSt | ASTM D445   | 333   | <b>175</b>   | ● 88.8 | ● 90.6 |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP451236  
**Lab Number** : 06174229  
**Unique Number** : 11020282  
**Test Package** : MOB 1

**Received** : 09 May 2024  
**Tested** : 10 May 2024  
**Diagnosed** : 10 May 2024 - Wes Davis

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
 9601 BOGGY CREEK RD  
 ORLANDO, FL  
 US 32824

Contact: Robert LaPlante  
 robert.laplante@altg.com

T: (407)508-9736  
 F: (407)659-8720

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)