



# VOLVO

## OIL ANALYSIS REPORT

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



Area  
**[687963]**  
 Machine Id  
**VOLVO A30 753223**  
 Component  
**Front 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>VCP455159</b>   | VCP437668   | VCP431289   |
| Sample Date    |     | Client Info |           | <b>13 Mar 2024</b> | 04 Jan 2024 | 16 Oct 2023 |
| Machine Age    | hrs | Client Info |           | <b>2013</b>        | 1548        | 1012        |
| 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>     | Not Changd  | Changed     |
| Filter Changed |     | Client Info |           | <b>Not Changed</b> | Not Changed | Not Changed |
| Sample Status  |     |             |           | <b>NORMAL</b>      | NORMAL      | ATTENTION   |

### WEAR

All component wear rates are normal.

|              |        |             |      |             |      |      |
|--------------|--------|-------------|------|-------------|------|------|
| Iron         | ppm    | ASTM D5185m | >900 | <b>146</b>  | 223  | 384  |
| Chromium     | ppm    | ASTM D5185m | >20  | <b>1</b>    | 4    | 7    |
| Nickel       | ppm    | ASTM D5185m | >10  | <b>0</b>    | 1    | 3    |
| Titanium     | ppm    | ASTM D5185m |      | <b>0</b>    | 0    | 0    |
| Silver       | ppm    | ASTM D5185m |      | <b>0</b>    | 0    | 0    |
| Aluminum     | ppm    | ASTM D5185m | >30  | <b>0</b>    | 0    | <1   |
| Lead         | ppm    | ASTM D5185m | >50  | <b>0</b>    | 0    | 0    |
| Copper       | ppm    | ASTM D5185m | >150 | <b>10</b>   | 6    | 31   |
| Tin          | ppm    | ASTM D5185m | >20  | <b>0</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

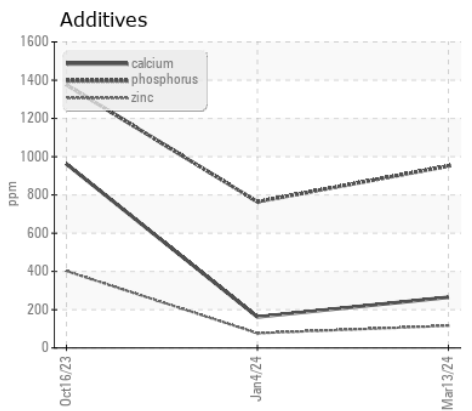
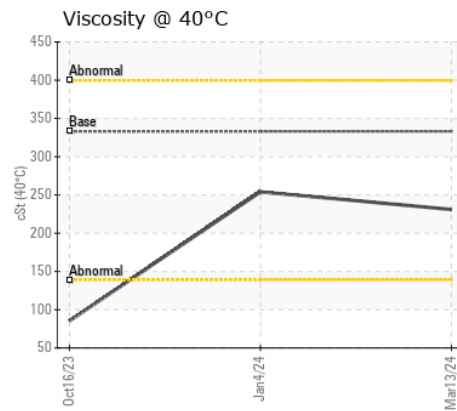
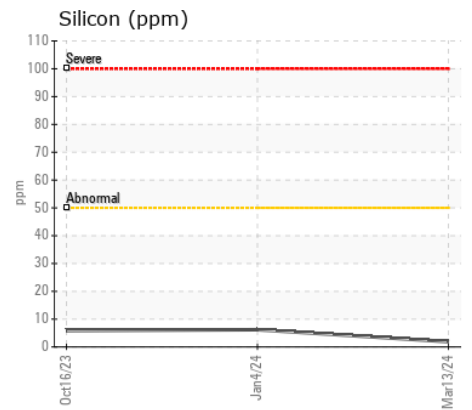
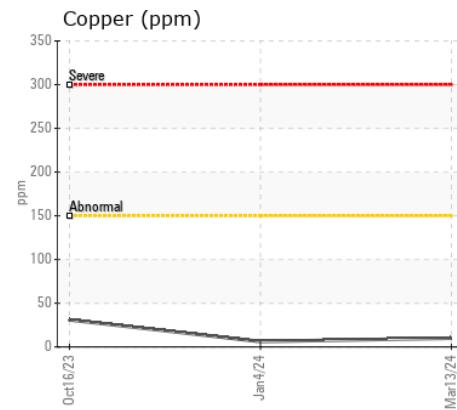
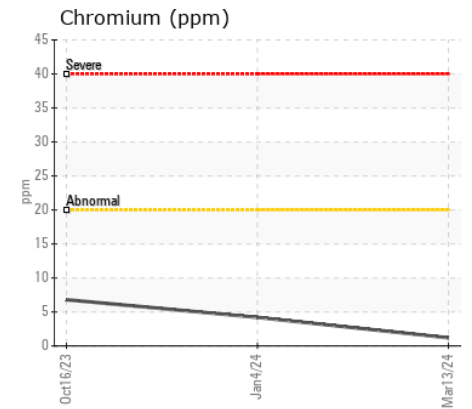
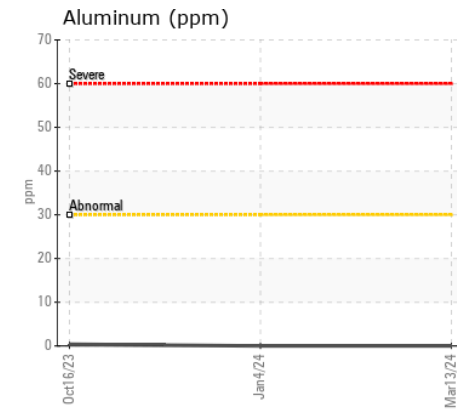
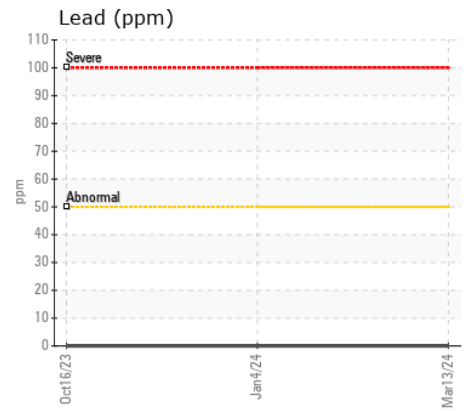
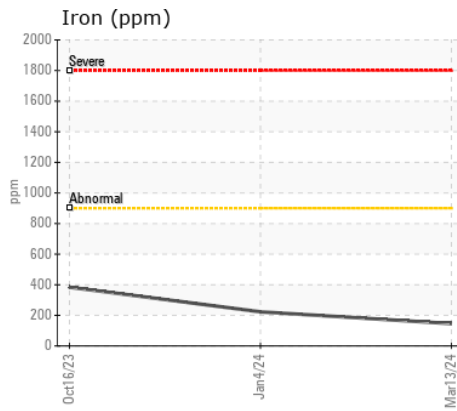
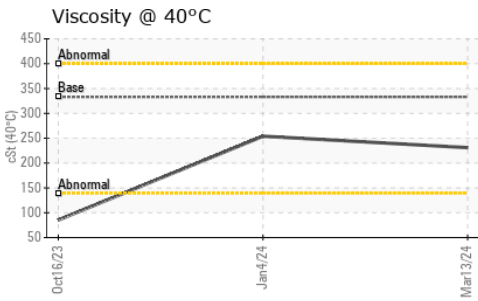
There is no indication of any contamination in the oil.

|                  |        |             |       |              |       |       |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon          | ppm    | ASTM D5185m | >50   | <b>2</b>     | 6     | 6     |
| Potassium        | ppm    | ASTM D5185m | >20   | <b>0</b>     | <1    | 4     |
| 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>0</b>     | <1    | 1     |
| Boron       | ppm | ASTM D5185m | 111   | <b>167</b>   | 79    | 224   |
| Barium      | ppm | ASTM D5185m | 0.0   | <b>0</b>     | 0     | 0     |
| Molybdenum  | ppm | ASTM D5185m | 0.9   | <b>&lt;1</b> | 2     | 4     |
| Manganese   | ppm | ASTM D5185m | 0.0   | <b>2</b>     | 6     | 10    |
| Magnesium   | ppm | ASTM D5185m | 39    | <b>0</b>     | 15    | 0     |
| Calcium     | ppm | ASTM D5185m | 93    | <b>265</b>   | 162   | 962   |
| Phosphorus  | ppm | ASTM D5185m | 920   | <b>951</b>   | 764   | 1376  |
| Zinc        | ppm | ASTM D5185m | 104   | <b>116</b>   | 77    | 402   |
| Sulfur      | ppm | ASTM D5185m | 20179 | <b>28252</b> | 20439 | 19442 |
| Visc @ 40°C | cSt | ASTM D445   | 333   | <b>231</b>   | 254   | 85.4  |



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : VCP455159  
**Lab Number** : 06121190  
**Unique Number** : 10930023  
**Test Package** : MOB 1

**Received** : 18 Mar 2024  
**Tested** : 19 Mar 2024  
**Diagnosed** : 19 Mar 2024 - Wes Davis

**BLUE GOOSE GROWERS**  
 16059 W ORANGE AVE  
 FT PIERCE, FL  
 US 34945  
 Contact: SERVICE MANAGER

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: (772)461-3020

F: