



# CONSTRUCTION EQUIPMENT

## SWO-072403 VOLVO A60H 340044 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP440081  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** SWO-072403



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP440081</b>   | VCP443774   | VCP411752   | VCP410146   |
| Sample Date   | <b>31 May 2024</b> | 01 Feb 2024 | 04 Aug 2023 | 11 May 2023 |
| Machine Hours | <b>9784</b>        | 9302        | 8791        | 8303        |
| Oil Hours     | <b>0</b>           | 0           | 0           | 0           |
| Oil Changed   | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   | Not Chngd   |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

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### OIL CONDITION

|             |     |            |     |     |     |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | <b>303</b> | 310 | 311 | 311 |
|-------------|-----|------------|-----|-----|-----|



### CONTAMINATION

| Water     | %   | NEG      | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon   | ppm | <b>5</b> | 7   | 3   | 3   |
| Sodium    | ppm | <b>0</b> | 0   | 0   | 0   |
| Potassium | ppm | <b>0</b> | <1  | <1  | <1  |

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

|            |     |              |    |    |    |
|------------|-----|--------------|----|----|----|
| Iron       | ppm | <b>31</b>    | 35 | 16 | 11 |
| Copper     | ppm | <b>0</b>     | <1 | <1 | 0  |
| Lead       | ppm | <b>0</b>     | <1 | 0  | 0  |
| Tin        | ppm | <b>0</b>     | <1 | 0  | 0  |
| Aluminum   | ppm | <b>0</b>     | <1 | 0  | 0  |
| Chromium   | ppm | <b>0</b>     | 1  | 0  | <1 |
| Molybdenum | ppm | <b>2</b>     | 4  | 2  | 2  |
| Nickel     | ppm | <b>0</b>     | <1 | 0  | 0  |
| Titanium   | ppm | <b>0</b>     | <1 | 0  | 0  |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Manganese  | ppm | <b>&lt;1</b> | <1 | <1 | <1 |
| Vanadium   | ppm | <b>0</b>     | 0  | 0  | 0  |



### ADDITIVES

|            |     |             |      |      |     |
|------------|-----|-------------|------|------|-----|
| Calcium    | ppm | <b>72</b>   | 70   | 61   | 56  |
| Magnesium  | ppm | <b>36</b>   | 37   | 31   | 28  |
| Zinc       | ppm | <b>75</b>   | 56   | 65   | 62  |
| Phosphorus | ppm | <b>1139</b> | 1125 | 1020 | 985 |
| Barium     | ppm | <b>0</b>    | 0    | 2    | 0   |
| Boron      | ppm | <b>196</b>  | 198  | 196  | 183 |

**Depot:** SAIBIR  
**Unique No:** 11071130  
**Signed:** Jonathan Hester  
**Report Date:** 12 Jun 2024



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## VOLVO GRAPHS

