



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 342252 - BOGIE/CENTER AXLE



**Sample No:** VCP436369  
**Oil Type:** MOBIL MOBILUBE HD 80W90  
**Job No:**



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP436369</b>   | VCP401113   | VCP392511   | VCP406075   |
| Sample Date   | <b>06 Feb 2024</b> | 30 Oct 2023 | 29 Aug 2023 | 22 Mar 2023 |
| Machine Hours | <b>11740</b>       | 11266       | 10867       | 9960        |
| Oil Hours     | <b>873</b>         | 399         | 907         | 877         |
| Oil Changed   | <b>Not Chngd</b>   | Not Chngd   | Changed     | Changed     |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

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### OIL CONDITION

|             |     |            |     |     |     |
|-------------|-----|------------|-----|-----|-----|
| Visc @ 40°C | cSt | <b>130</b> | 131 | 130 | 131 |
|-------------|-----|------------|-----|-----|-----|



### CONTAMINATION

| Water     | %   | NEG          | NEG | NEG | NEG |
|-----------|-----|--------------|-----|-----|-----|
| Silicon   | ppm | <b>5</b>     | 4   | 2   | 2   |
| Sodium    | ppm | <b>0</b>     | <1  | 0   | <1  |
| Potassium | ppm | <b>&lt;1</b> | 0   | <1  | 0   |

### 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>18</b>    | 10 | 6  | 13 |
| Copper     | ppm | <b>&lt;1</b> | 0  | <1 | 0  |
| Lead       | ppm | <b>0</b>     | 0  | 0  | 0  |
| Tin        | ppm | <b>0</b>     | 0  | <1 | 0  |
| Aluminum   | ppm | <b>2</b>     | <1 | 0  | 0  |
| Chromium   | ppm | <b>0</b>     | 0  | 0  | 0  |
| Molybdenum | ppm | <b>3</b>     | 2  | <1 | <1 |
| Nickel     | ppm | <b>0</b>     | 0  | <1 | 0  |
| Titanium   | ppm | <b>&lt;1</b> | 0  | 0  | 0  |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Manganese  | ppm | <b>0</b>     | 0  | 0  | <1 |
| Vanadium   | ppm | <b>0</b>     | 0  | 0  | 0  |



### ADDITIVES

|            |     |             |      |     |     |
|------------|-----|-------------|------|-----|-----|
| Calcium    | ppm | <b>487</b>  | 440  | 314 | 380 |
| Magnesium  | ppm | <b>22</b>   | 11   | 4   | 8   |
| Zinc       | ppm | <b>171</b>  | 171  | 135 | 134 |
| Phosphorus | ppm | <b>1251</b> | 1009 | 958 | 962 |
| Barium     | ppm | <b>12</b>   | 0    | 1   | 0   |
| Boron      | ppm | <b>192</b>  | 167  | 142 | 172 |

**Depot:** SCHGRE  
**Unique No:** 10876589  
**Signed:** Jonathan Hester  
**Report Date:** 16 Feb 2024



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## VOLVO GRAPHS

