



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342523 - BOGIE/CENTER AXLE



**Sample No:** VCP0008004

**Oil Type:** TRANSAXLE OIL SAE 75W90

**Job No:**



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP0008004</b>  | VCP419038   | VCP0007984  | VCP301396   |
| Sample Date   | <b>02 Aug 2023</b> | 18 Jul 2023 | 06 Jul 2023 | 22 Dec 2020 |
| Machine Hours | <b>0</b>           | 6542        | 0           | 3197        |
| Oil Hours     | <b>0</b>           | 0           | 0           | 1000        |
| Oil Changed   | <b>N/A</b>         | N/A         | N/A         | Not Changd  |
| Sample Status | <b>NORMAL</b>      | ATTENTION   | ATTENTION   | NORMAL      |

**QGS - QUALITY GRASSES SERV/TCF LEASING**  
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### OIL CONDITION

|             |     |             |     |     |     |
|-------------|-----|-------------|-----|-----|-----|
| Visc @ 40°C | cSt | <b>98.8</b> | 102 | 108 | 270 |
|-------------|-----|-------------|-----|-----|-----|



### CONTAMINATION

|           |     |              |    |    |   |
|-----------|-----|--------------|----|----|---|
| Silicon   | ppm | <b>13</b>    | 13 | 14 | 2 |
| Sodium    | ppm | <b>1</b>     | <1 | 0  | 1 |
| Potassium | ppm | <b>&lt;1</b> | 2  | 2  | 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>12</b>    | 12 | 13 | 48 |
| Copper     | ppm | <b>45</b>    | 48 | 45 | 0  |
| Lead       | ppm | <b>0</b>     | 1  | 0  | 0  |
| Tin        | ppm | <b>0</b>     | <1 | 0  | 0  |
| Aluminum   | ppm | <b>2</b>     | 2  | <1 | 0  |
| Chromium   | ppm | <b>&lt;1</b> | <1 | <1 | <1 |
| Molybdenum | ppm | <b>2</b>     | 2  | 3  | <1 |
| Nickel     | ppm | <b>&lt;1</b> | <1 | 1  | 0  |
| Titanium   | ppm | <b>0</b>     | <1 | <1 | 0  |
| Silver     | ppm | <b>0</b>     | <1 | <1 | 0  |
| Manganese  | ppm | <b>&lt;1</b> | <1 | <1 | 1  |
| Vanadium   | ppm | <b>0</b>     | 0  | 0  | 0  |



### ADDITIVES

|            |     |             |      |      |     |
|------------|-----|-------------|------|------|-----|
| Calcium    | ppm | <b>3251</b> | 3624 | 3728 | 155 |
| Magnesium  | ppm | <b>21</b>   | 24   | 24   | 3   |
| Zinc       | ppm | <b>1258</b> | 1377 | 1375 | 66  |
| Phosphorus | ppm | <b>1109</b> | 1200 | 1268 | 967 |
| Barium     | ppm | <b>0</b>    | <1   | 0    | 0   |
| Boron      | ppm | <b>101</b>  | 87   | 100  | 179 |

**Depot:** QUALITFL  
**Unique No:** 10588333  
**Signed:** Jonathan Hester  
**Report Date:** 07 Aug 2023



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## VOLVO GRAPHS

