



# CONSTRUCTION EQUIPMENT

607956 ASH GROVE VOLVO A40G 352940 - TRANSMISSION (AUTO)



**Sample No:** VCP440287  
**Oil Type:** VOLVO AT 102  
**Job No:** 607956 ASH GROVE



## SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP440287</b>   | VCP411708   | VCP337689   | VCP353592   |
| Sample Date   | <b>26 Sep 2023</b> | 30 May 2023 | 06 Aug 2022 | 22 Jun 2022 |
| Machine Hours | <b>6962</b>        | 5463        | 2216        | 1844        |
| Oil Hours     | <b>0</b>           | 0           | 0           | 0           |
| Oil Changed   | <b>Not Changd</b>  | Changed     | Changed     | Not Changd  |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

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## OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>28.1</b> | 27.8 | 28.1 | 28.7 |
|-------------|-----|-------------|------|------|------|



## CONTAMINATION

|           |     |          |   |    |    |
|-----------|-----|----------|---|----|----|
| Silicon   | ppm | <b>4</b> | 5 | 11 | 11 |
| Sodium    | ppm | <b>1</b> | 3 | 1  | 4  |
| Potassium | ppm | <b>2</b> | 1 | 3  | 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 fluid. The condition of the fluid is acceptable for the time in service.



## WEAR METALS

|            |     |              |    |    |    |
|------------|-----|--------------|----|----|----|
| Iron       | ppm | <b>17</b>    | 32 | 27 | 23 |
| Copper     | ppm | <b>6</b>     | 10 | 10 | 10 |
| Lead       | ppm | <b>0</b>     | 0  | <1 | 0  |
| Tin        | ppm | <b>2</b>     | 3  | 3  | 2  |
| Aluminum   | ppm | <b>9</b>     | 17 | 14 | 14 |
| Chromium   | ppm | <b>0</b>     | 0  | 0  | 0  |
| Molybdenum | ppm | <b>&lt;1</b> | <1 | <1 | <1 |
| Nickel     | ppm | <b>&lt;1</b> | <1 | 0  | 1  |
| Titanium   | ppm | <b>0</b>     | 0  | 0  | 0  |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 4  |
| Manganese  | ppm | <b>&lt;1</b> | 1  | 2  | 2  |
| Vanadium   | ppm | <b>0</b>     | 0  | 0  | 0  |



## ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>70</b>  | 94  | 72  | 68  |
| Magnesium  | ppm | <b>1</b>   | 1   | 2   | 0   |
| Zinc       | ppm | <b>3</b>   | 2   | 5   | 4   |
| Phosphorus | ppm | <b>194</b> | 184 | 182 | 175 |
| Barium     | ppm | <b>0</b>   | 0   | 0   | 0   |
| Boron      | ppm | <b>97</b>  | 83  | 79  | 85  |

**Depot:** VOLVO0096  
**Unique No:** 10672346  
**Signed:** Don Baldrige  
**Report Date:** 03 Oct 2023



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## VOLVO GRAPHS

