



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 742111 - TRANSMISSION (AUTO)



**Sample No:** VCP422699  
**Oil Type:** VOLVO AT 102  
**Job No:**



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP422699</b>   | VCP411355   | VCP376236   | VCP350897   |
| Sample Date   | <b>18 Jul 2023</b> | 22 Apr 2023 | 01 Aug 2022 | 08 Dec 2021 |
| Machine Hours | <b>9587</b>        | 9166        | 8256        | 6915        |
| Oil Hours     | <b>0</b>           | 1000        | 2000        | 1500        |
| Oil Changed   | <b>N/A</b>         | Not Changd  | Changed     | Not Changd  |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

### RIPA AND ASSOCIATES

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### OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>29.0</b> | 29.0 | 29.8 | 31.3 |
|-------------|-----|-------------|------|------|------|



### CONTAMINATION

|           |     |              |   |    |    |
|-----------|-----|--------------|---|----|----|
| Silicon   | ppm | <b>3</b>     | 3 | 3  | 3  |
| Sodium    | ppm | <b>4</b>     | 2 | 5  | <1 |
| Potassium | ppm | <b>&lt;1</b> | 2 | <1 | 2  |



### WEAR METALS

|            |     |              |    |    |    |
|------------|-----|--------------|----|----|----|
| Iron       | ppm | <b>19</b>    | 15 | 25 | 18 |
| Copper     | ppm | <b>7</b>     | 6  | 10 | 7  |
| Lead       | ppm | <b>0</b>     | 0  | 0  | 0  |
| Tin        | ppm | <b>2</b>     | 2  | 3  | 2  |
| Aluminum   | ppm | <b>11</b>    | 9  | 17 | 10 |
| Chromium   | ppm | <b>0</b>     | 0  | 0  | 0  |
| Molybdenum | ppm | <b>0</b>     | 0  | <1 | 0  |
| Nickel     | ppm | <b>&lt;1</b> | <1 | <1 | 0  |
| Titanium   | ppm | <b>0</b>     | 0  | 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>69</b>  | 74  | 77  | 70  |
| Magnesium  | ppm | <b>2</b>   | 4   | <1  | 0   |
| Zinc       | ppm | <b>0</b>   | 3   | 5   | 0   |
| Phosphorus | ppm | <b>187</b> | 194 | 214 | 187 |
| Barium     | ppm | <b>0</b>   | 0   | 0   | 0   |
| Boron      | ppm | <b>90</b>  | 82  | 87  | 95  |

### 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.

**Depot:** RIPTAM  
**Unique No:** 10606422  
**Signed:** Wes Davis  
**Report Date:** 17 Aug 2023



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## VOLVO GRAPHS

