



# CONSTRUCTION EQUIPMENT

## SWO067659 VOLVO A30G 752677 - TRANSMISSION (AUTO)



**Sample No:** VCP435992  
**Oil Type:** VOLVO AT 102  
**Job No:** SWO067659



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP435992</b>   | VCP433843   | VCP424274   | VCP369031   |
| Sample Date   | <b>16 Nov 2023</b> | 18 Sep 2023 | 23 Jun 2023 | 18 Nov 2022 |
| Machine Hours | <b>2403</b>        | 1919        | 2405        | 915         |
| Oil Hours     | <b>0</b>           | 0           | 0           | 0           |
| Oil Changed   | <b>Not Chngd</b>   | Changed     | Not Chngd   | Changed     |
| Sample Status | <b>ABNORMAL</b>    | ABNORMAL    | NORMAL      | NORMAL      |

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### OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>30.7</b> | 28.4 | 29.7 | 30.4 |
|-------------|-----|-------------|------|------|------|



### CONTAMINATION

| Water     | %   | NEG      | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon   | ppm | <b>7</b> | 6   | 4   | 12  |
| Sodium    | ppm | <b>0</b> | 3   | 3   | 3   |
| Potassium | ppm | <b>2</b> | <1  | 1   | 0   |

**Diagnosis**  
 No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

|            |     |              |    |    |    |
|------------|-----|--------------|----|----|----|
| Iron       | ppm | <b>11</b>    | 13 | 9  | 21 |
| Copper     | ppm | <b>5</b>     | 6  | 4  | 10 |
| Lead       | ppm | <b>0</b>     | 0  | 0  | 0  |
| Tin        | ppm | <b>2</b>     | 2  | 2  | 3  |
| Aluminum   | ppm | <b>11</b>    | 11 | 8  | 17 |
| Chromium   | ppm | <b>&lt;1</b> | 0  | 0  | 0  |
| Molybdenum | ppm | <b>0</b>     | 0  | <1 | <1 |
| Nickel     | ppm | <b>&lt;1</b> | 0  | <1 | 1  |
| Titanium   | ppm | <b>0</b>     | 0  | 0  | 0  |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Manganese  | ppm | <b>0</b>     | <1 | <1 | 2  |
| Vanadium   | ppm | <b>0</b>     | 0  | 0  | 0  |



### ADDITIVES

|            |     |              |     |     |     |
|------------|-----|--------------|-----|-----|-----|
| Calcium    | ppm | <b>73</b>    | 67  | 68  | 66  |
| Magnesium  | ppm | <b>&lt;1</b> | 2   | 0   | <1  |
| Zinc       | ppm | <b>0</b>     | 0   | 0   | 2   |
| Phosphorus | ppm | <b>208</b>   | 192 | 181 | 185 |
| Barium     | ppm | <b>0</b>     | 0   | 0   | 0   |
| Boron      | ppm | <b>101</b>   | 89  | 82  | 65  |

**Depot:** SAIBIR  
**Unique No:** 10754679  
**Signed:** Sean Felton  
**Report Date:** 27 Nov 2023



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## GRAPHS

