



# CONSTRUCTION EQUIPMENT

## TITAN VOLVO A30G 740290 - TRANSMISSION (AUTO)



**Sample No:** VCP424563  
**Oil Type:** VOLVO AT 102  
**Job No:** TITAN



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP424563</b>   | VCP336033   | VCP265450   | VCP238149   |
| Sample Date   | <b>02 Aug 2023</b> | 22 Sep 2021 | 16 Dec 2019 | 31 Jan 2019 |
| Machine Hours | <b>8505</b>        | 6081        | 3835        | 2574        |
| Oil Hours     | <b>0</b>           | 2000        | 0           | 2000        |
| Oil Changed   | <b>Not Chngd</b>   | Changed     | Changed     | Changed     |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | NORMAL      |

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### OIL CONDITION

|             |     |              |      |      |       |
|-------------|-----|--------------|------|------|-------|
| Visc @ 40°C | cSt | <b>26.99</b> | 26.3 | 26.4 | 24.19 |
|-------------|-----|--------------|------|------|-------|



### CONTAMINATION

|           |     |          |   |   |   |
|-----------|-----|----------|---|---|---|
| Silicon   | ppm | <b>3</b> | 2 | 6 | 6 |
| Sodium    | ppm | <b>4</b> | 4 | 3 | 3 |
| Potassium | ppm | <b>2</b> | 0 | 2 | 2 |



### WEAR METALS

|            |     |              |    |    |    |
|------------|-----|--------------|----|----|----|
| Iron       | ppm | <b>29</b>    | 30 | 31 | 26 |
| Copper     | ppm | <b>19</b>    | 15 | 19 | 14 |
| Lead       | ppm | <b>0</b>     | 0  | <1 | 0  |
| Tin        | ppm | <b>2</b>     | 2  | <1 | 0  |
| Aluminum   | ppm | <b>11</b>    | 12 | 12 | 12 |
| Chromium   | ppm | <b>0</b>     | <1 | <1 | 0  |
| Molybdenum | ppm | <b>0</b>     | <1 | 0  | 0  |
| Nickel     | ppm | <b>2</b>     | 1  | 2  | 1  |
| Titanium   | ppm | <b>0</b>     | 0  | 0  | 0  |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Manganese  | ppm | <b>&lt;1</b> | <1 | 1  | 2  |
| Vanadium   | ppm | <b>&lt;1</b> | 0  | 0  | 0  |



### ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>70</b>  | 94  | 89  | 90  |
| Magnesium  | ppm | <b>2</b>   | <1  | 0   | 0   |
| Zinc       | ppm | <b>0</b>   | 4   | 5   | 0   |
| Phosphorus | ppm | <b>187</b> | 175 | 157 | 170 |
| Barium     | ppm | <b>0</b>   | 0   | 0   | 0   |
| Boron      | ppm | <b>73</b>  | 76  | 84  | 77  |

### 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:** VOLVO0264  
**Unique No:** 10615847  
**Signed:** Wes Davis  
**Report Date:** 24 Aug 2023



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## GRAPHS

