



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 752866 - TRANSMISSION (AUTO)



**Sample No:** VCP432183  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

|               |                    |             |             |     |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | <b>VCP432183</b>   | VCP422145   | VCP393206   | --- |
| Sample Date   | <b>28 Nov 2023</b> | 05 Jul 2023 | 13 Feb 2023 | --- |
| Machine Hours | <b>2710</b>        | 1096        | 526         | --- |
| Oil Hours     | <b>0</b>           | 1096        | 526         | --- |
| Oil Changed   | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | --- |

**RIPA AND ASSOCIATES**  
 10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619  
 Contact: PM Services  
 PMServices@ripaconstruction.com  
 T:  
 F:

### OIL CONDITION

|             |     |              |      |      |     |
|-------------|-----|--------------|------|------|-----|
| Visc @ 40°C | cSt | <b>29.12</b> | 29.2 | 29.4 | --- |
|-------------|-----|--------------|------|------|-----|

### CONTAMINATION

| Water     | %   | NEG       | NEG | NEG | --- |
|-----------|-----|-----------|-----|-----|-----|
| Silicon   | ppm | <b>13</b> | 15  | 15  | --- |
| Sodium    | ppm | <b>7</b>  | 3   | 3   | --- |
| Potassium | ppm | <b>4</b>  | 2   | 2   | --- |

**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>25</b> | 25 | 19 | --- |
| Copper     | ppm | <b>18</b> | 18 | 13 | --- |
| Lead       | ppm | <b>0</b>  | 0  | 0  | --- |
| Tin        | ppm | <b>4</b>  | 4  | 3  | --- |
| Aluminum   | ppm | <b>17</b> | 18 | 10 | --- |
| Chromium   | ppm | <b>0</b>  | <1 | <1 | --- |
| Molybdenum | ppm | <b>0</b>  | <1 | 0  | --- |
| Nickel     | ppm | <b>2</b>  | 2  | 1  | --- |
| Titanium   | ppm | <b>0</b>  | 0  | 0  | --- |
| Silver     | ppm | <b>0</b>  | 0  | 0  | --- |
| Manganese  | ppm | <b>3</b>  | 4  | 3  | --- |
| Vanadium   | ppm | <b>0</b>  | 0  | 0  | --- |

### ADDITIVES

|            |     |            |     |     |     |
|------------|-----|------------|-----|-----|-----|
| Calcium    | ppm | <b>63</b>  | 69  | 70  | --- |
| Magnesium  | ppm | <b>2</b>   | 0   | 0   | --- |
| Zinc       | ppm | <b>5</b>   | 0   | 4   | --- |
| Phosphorus | ppm | <b>158</b> | 198 | 183 | --- |
| Barium     | ppm | <b>2</b>   | 0   | 0   | --- |
| Boron      | ppm | <b>68</b>  | 76  | 88  | --- |

**Depot:** RIPTAM  
**Unique No:** 10848694  
**Signed:** Sean Felton  
**Report Date:** 01 Feb 2024



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## GRAPHS

