



# CONSTRUCTION EQUIPMENT

RSO035268 VOLVO A45G 352006 - TRANSMISSION (AUTO)



**Sample No:** VCP415319  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** RSO035268



## SAMPLE INFORMATION

|               |                    |             |             |     |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | <b>VCP415319</b>   | VCP358789   | VCP340781   | --- |
| Sample Date   | <b>08 Sep 2023</b> | 19 Apr 2022 | 03 Nov 2021 | --- |
| Machine Hours | <b>6302</b>        | 0           | 2116        | --- |
| Oil Hours     | <b>0</b>           | 0           | 0           | --- |
| Oil Changed   | <b>Changed</b>     | Changed     | Changed     | --- |
| Sample Status | <b>NORMAL</b>      | NORMAL      | NORMAL      | --- |

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## OIL CONDITION

|             |     |             |      |      |     |
|-------------|-----|-------------|------|------|-----|
| Visc @ 40°C | cSt | <b>28.0</b> | 28.3 | 27.9 | --- |
|-------------|-----|-------------|------|------|-----|



## CONTAMINATION

|           |     |          |   |   |     |
|-----------|-----|----------|---|---|-----|
| Silicon   | ppm | <b>4</b> | 5 | 8 | --- |
| Sodium    | ppm | <b>4</b> | 2 | 5 | --- |
| Potassium | ppm | <b>2</b> | 1 | 0 | --- |



## WEAR METALS

|            |     |           |    |    |     |
|------------|-----|-----------|----|----|-----|
| Iron       | ppm | <b>24</b> | 34 | 28 | --- |
| Copper     | ppm | <b>18</b> | 15 | 23 | --- |
| Lead       | ppm | <b>0</b>  | 4  | 0  | --- |
| Tin        | ppm | <b>3</b>  | 2  | 4  | --- |
| Aluminum   | ppm | <b>18</b> | 4  | 17 | --- |
| Chromium   | ppm | <b>0</b>  | 1  | <1 | --- |
| Molybdenum | ppm | <b>0</b>  | 54 | <1 | --- |
| Nickel     | ppm | <b>3</b>  | 2  | 3  | --- |
| Titanium   | ppm | <b>0</b>  | 0  | 0  | --- |
| Silver     | ppm | <b>0</b>  | <1 | 0  | --- |
| Manganese  | ppm | <b>2</b>  | <1 | 2  | --- |
| Vanadium   | ppm | <b>0</b>  | 0  | 0  | --- |



## ADDITIVES

|            |     |            |      |     |     |
|------------|-----|------------|------|-----|-----|
| Calcium    | ppm | <b>76</b>  | 1090 | 81  | --- |
| Magnesium  | ppm | <b>2</b>   | 849  | <1  | --- |
| Zinc       | ppm | <b>0</b>   | 1136 | 0   | --- |
| Phosphorus | ppm | <b>202</b> | 941  | 182 | --- |
| Barium     | ppm | <b>0</b>   | 0    | 0   | --- |
| Boron      | ppm | <b>84</b>  | 9    | 79  | --- |

## 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:** VOLVO8247

**Unique No:** 10656890

**Signed:** Wes Davis

**Report Date:** 20 Sep 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

