



# CONSTRUCTION EQUIPMENT

## SWO-070936 VOLVO A45G 352708 - TRANSMISSION (AUTO)



**Sample No:** VCP436278  
**Oil Type:** DEXRON III  
**Job No:** SWO-070936



### SAMPLE INFORMATION

|               |                    |             |             |             |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | <b>VCP436278</b>   | VCP428895   | VCP428981   | VCP424606   |
| Sample Date   | <b>04 Apr 2024</b> | 20 Nov 2023 | 11 Sep 2023 | 06 Jul 2023 |
| Machine Hours | <b>5405</b>        | 4925        | 4418        | 3920        |
| Oil Hours     | <b>0</b>           | 0           | 0           | 0           |
| Oil Changed   | <b>Not Chngd</b>   | Not Chngd   | Not Chngd   | Changed     |
| Sample Status | <b>NORMAL</b>      | NORMAL      | ABNORMAL    | NORMAL      |

### SAIIA CONSTRUCTION LLC

4400 LEWISBURG RD  
 BIRMINGHAM, AL  
 US 35207

Contact: STEPHANI BRITTON  
 sbritton@saiia.com;doug.bogart@wearcheck.com  
 T: (205)943-2268  
 F: (205)943-2269



### OIL CONDITION

|             |     |             |      |      |      |
|-------------|-----|-------------|------|------|------|
| Visc @ 40°C | cSt | <b>28.3</b> | 28.5 | 30.2 | 28.6 |
|-------------|-----|-------------|------|------|------|



### CONTAMINATION

| Water     | %   | NEG      | NEG | NEG | NEG |
|-----------|-----|----------|-----|-----|-----|
| Silicon   | ppm | <b>5</b> | 3   | 13  | 4   |
| Sodium    | ppm | <b>4</b> | 4   | 4   | 2   |
| Potassium | ppm | <b>3</b> | 2   | <1  | <1  |

### 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>17</b>    | 7  | 11 | 11 |
| Copper     | ppm | <b>10</b>    | 8  | 6  | 9  |
| Lead       | ppm | <b>&lt;1</b> | 0  | 0  | 0  |
| Tin        | ppm | <b>3</b>     | 2  | 1  | 1  |
| Aluminum   | ppm | <b>8</b>     | 5  | 14 | 6  |
| Chromium   | ppm | <b>&lt;1</b> | 0  | 0  | 0  |
| Molybdenum | ppm | <b>&lt;1</b> | 0  | 0  | 0  |
| Nickel     | ppm | <b>2</b>     | 1  | 1  | 1  |
| Titanium   | ppm | <b>&lt;1</b> | 0  | <1 | 0  |
| Silver     | ppm | <b>0</b>     | 0  | 0  | 0  |
| Manganese  | ppm | <b>1</b>     | <1 | <1 | <1 |
| Vanadium   | ppm | <b>&lt;1</b> | 0  | 0  | 0  |



### ADDITIVES

|            |     |              |     |     |     |
|------------|-----|--------------|-----|-----|-----|
| Calcium    | ppm | <b>77</b>    | 76  | 79  | 65  |
| Magnesium  | ppm | <b>2</b>     | 2   | 4   | 0   |
| Zinc       | ppm | <b>7</b>     | 0   | 1   | 0   |
| Phosphorus | ppm | <b>213</b>   | 194 | 215 | 190 |
| Barium     | ppm | <b>&lt;1</b> | 0   | 0   | 0   |
| Boron      | ppm | <b>89</b>    | 84  | 100 | 82  |

**Depot:** SAIBIR  
**Unique No:** 10968270  
**Signed:** Jonathan Hester  
**Report Date:** 12 Apr 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

