



# CONSTRUCTION EQUIPMENT

SWA590217-20 VOLVO A30G 752316 - REAR AXLE



**Sample No:** VCP447051  
**Oil Type:** {unknown}  
**Job No:** SWA590217-20



## SAMPLE INFORMATION

|               |             |             |     |     |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP447051   | VCP379702   | --- | --- |
| Sample Date   | 20 Jun 2024 | 29 Nov 2022 | --- | --- |
| Machine Hours | 3960        | 2557        | --- | --- |
| Oil Hours     | 0           | 0           | --- | --- |
| Oil Changed   | N/A         | Changed     | --- | --- |
| Sample Status | NORMAL      | ABNORMAL    | --- | --- |

### ALTA EQUIPMENT COMPANY

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## OIL CONDITION

|             |     |      |      |     |     |
|-------------|-----|------|------|-----|-----|
| Visc @ 40°C | cSt | 96.6 | 99.8 | --- | --- |
|-------------|-----|------|------|-----|-----|



## CONTAMINATION

|           |     |     |       |     |     |
|-----------|-----|-----|-------|-----|-----|
| Water     | %   | NEG | 0.429 | --- | --- |
| Silicon   | ppm | 49  | 33    | --- | --- |
| Sodium    | ppm | 4   | 0     | --- | --- |
| Potassium | ppm | 8   | 0     | --- | --- |



## WEAR METALS

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Iron       | ppm | 756 | 596 | --- | --- |
| Copper     | ppm | 75  | 44  | --- | --- |
| Lead       | ppm | 0   | 0   | --- | --- |
| Tin        | ppm | 4   | <1  | --- | --- |
| Aluminum   | ppm | 6   | 6   | --- | --- |
| Chromium   | ppm | 12  | 11  | --- | --- |
| Molybdenum | ppm | 15  | 15  | --- | --- |
| Nickel     | ppm | 4   | <1  | --- | --- |
| Titanium   | ppm | <1  | <1  | --- | --- |
| Silver     | ppm | 0   | 0   | --- | --- |
| Manganese  | ppm | 29  | 26  | --- | --- |
| Vanadium   | ppm | 0   | 0   | --- | --- |



## ADDITIVES

|            |     |      |      |     |     |
|------------|-----|------|------|-----|-----|
| Calcium    | ppm | 715  | 712  | --- | --- |
| Magnesium  | ppm | 10   | 10   | --- | --- |
| Zinc       | ppm | 358  | 331  | --- | --- |
| Phosphorus | ppm | 1480 | 1389 | --- | --- |
| Barium     | ppm | 4    | 8    | --- | --- |
| Boron      | ppm | 120  | 181  | --- | --- |

## Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0095  
**Unique No:** 11110077  
**Signed:** Wes Davis  
**Report Date:** 03 Jul 2024



# CONSTRUCTION EQUIPMENT



## GRAPHS

