



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 752514 - FRONT AXLE



**Sample No:** VCP454933  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

|               |                    |             |     |     |
|---------------|--------------------|-------------|-----|-----|
| Sample Number | <b>VCP454933</b>   | VCP454940   | --- | --- |
| Sample Date   | <b>06 Jun 2024</b> | 05 Jun 2024 | --- | --- |
| Machine Hours | <b>2532</b>        | 2532        | --- | --- |
| Oil Hours     | <b>0</b>           | 0           | --- | --- |
| Oil Changed   | <b>Changed</b>     | Changed     | --- | --- |
| Sample Status | <b>ATTENTION</b>   | ATTENTION   | --- | --- |

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
 9601 BOGGY CREEK RD  
 ORLANDO, FL  
 US 32824  
 Contact: BRAD BYRO  
 bradley.byro@altg.com  
 T: (407)850-9614  
 F: (407)659-8720



### OIL CONDITION

|             |     |             |      |     |     |
|-------------|-----|-------------|------|-----|-----|
| Visc @ 40°C | cSt | <b>88.5</b> | 87.1 | --- | --- |
|-------------|-----|-------------|------|-----|-----|



### CONTAMINATION

|           |     |              |     |     |     |
|-----------|-----|--------------|-----|-----|-----|
| Water     | %   | <b>NEG</b>   | NEG | --- | --- |
| Silicon   | ppm | <b>6</b>     | 5   | --- | --- |
| Sodium    | ppm | <b>&lt;1</b> | <1  | --- | --- |
| Potassium | ppm | <b>&lt;1</b> | <1  | --- | --- |

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.



### WEAR METALS

|            |     |              |     |     |     |
|------------|-----|--------------|-----|-----|-----|
| Iron       | ppm | <b>265</b>   | 276 | --- | --- |
| Copper     | ppm | <b>34</b>    | 43  | --- | --- |
| Lead       | ppm | <b>0</b>     | 0   | --- | --- |
| Tin        | ppm | <b>1</b>     | 2   | --- | --- |
| Aluminum   | ppm | <b>0</b>     | 0   | --- | --- |
| Chromium   | ppm | <b>4</b>     | 4   | --- | --- |
| Molybdenum | ppm | <b>6</b>     | 7   | --- | --- |
| Nickel     | ppm | <b>&lt;1</b> | 2   | --- | --- |
| Titanium   | ppm | <b>0</b>     | 0   | --- | --- |
| Silver     | ppm | <b>0</b>     | 0   | --- | --- |
| Manganese  | ppm | <b>11</b>    | 8   | --- | --- |
| Vanadium   | ppm | <b>0</b>     | 0   | --- | --- |



### ADDITIVES

|            |     |             |      |     |     |
|------------|-----|-------------|------|-----|-----|
| Calcium    | ppm | <b>859</b>  | 826  | --- | --- |
| Magnesium  | ppm | <b>3</b>    | 3    | --- | --- |
| Zinc       | ppm | <b>374</b>  | 371  | --- | --- |
| Phosphorus | ppm | <b>1360</b> | 1339 | --- | --- |
| Barium     | ppm | <b>2</b>    | 2    | --- | --- |
| Boron      | ppm | <b>265</b>  | 231  | --- | --- |

**Depot:** VOLVO0096  
**Unique No:** 11070542  
**Signed:** Don Baldrige  
**Report Date:** 10 Jun 2024



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## GRAPHS

