



# CONSTRUCTION EQUIPMENT

## 700392 ALTA RENTS VOLVO A25G 752731 - FRONT AXLE



**Sample No:** VCP455080  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 700392 ALTA RENTS



### SAMPLE INFORMATION

|               |             |             |     |     |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP455080   | VCP440401   | --- | --- |
| Sample Date   | 02 Apr 2024 | 13 Oct 2023 | --- | --- |
| Machine Hours | 1259        | 627         | --- | --- |
| Oil Hours     | 0           | 0           | --- | --- |
| Oil Changed   | Not Chngd   | Not Chngd   | --- | --- |
| Sample Status | ATTENTION   | NORMAL      | --- | --- |

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### OIL CONDITION

|             |     |      |      |     |     |
|-------------|-----|------|------|-----|-----|
| Visc @ 40°C | cSt | 83.9 | 86.5 | --- | --- |
|-------------|-----|------|------|-----|-----|



### CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | NEG | --- | --- |
| Silicon   | ppm | 7   | 6   | --- | --- |
| Sodium    | ppm | 1   | <1  | --- | --- |
| Potassium | ppm | 5   | 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 oil. The oil viscosity is lower than normal. Confirm oil type.



### WEAR METALS

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Iron       | ppm | 393 | 285 | --- | --- |
| Copper     | ppm | 37  | 24  | --- | --- |
| Lead       | ppm | 0   | 0   | --- | --- |
| Tin        | ppm | 1   | 1   | --- | --- |
| Aluminum   | ppm | 2   | 0   | --- | --- |
| Chromium   | ppm | 7   | 6   | --- | --- |
| Molybdenum | ppm | 11  | 8   | --- | --- |
| Nickel     | ppm | 4   | 3   | --- | --- |
| Titanium   | ppm | <1  | 0   | --- | --- |
| Silver     | ppm | 0   | 0   | --- | --- |
| Manganese  | ppm | 12  | 12  | --- | --- |
| Vanadium   | ppm | <1  | 0   | --- | --- |



### ADDITIVES

|            |     |      |      |     |     |
|------------|-----|------|------|-----|-----|
| Calcium    | ppm | 888  | 785  | --- | --- |
| Magnesium  | ppm | 3    | 5    | --- | --- |
| Zinc       | ppm | 387  | 352  | --- | --- |
| Phosphorus | ppm | 1511 | 1364 | --- | --- |
| Barium     | ppm | 9    | 11   | --- | --- |
| Boron      | ppm | 248  | 242  | --- | --- |

**Depot:** VOLVO0096  
**Unique No:** 10966551  
**Signed:** Don Baldrige  
**Report Date:** 10 Apr 2024



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## GRAPHS

