



# CONSTRUCTION EQUIPMENT

## 581211 VOLVO A25G 752693 - DIESEL ENGINE



**Sample No:** VCP449593  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** 581211



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP449593   | --- | --- | --- |
| Sample Date   | 19 Jun 2024 | --- | --- | --- |
| Machine Hours | 971         | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | ATTENTION   | --- | --- | --- |

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### OIL CONDITION

|                  |          |        |     |     |     |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 100°C     | cSt      | ● 10.5 | --- | --- | --- |
| Base Number (BN) | mg KOH/g | ■ 5.2  | --- | --- | --- |
| Oxidation (PA)   | %        | 65     | --- | --- | --- |

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.



### CONTAMINATION

|                |     |       |     |     |     |
|----------------|-----|-------|-----|-----|-----|
| Water          | %   | NEG   | --- | --- | --- |
| Soot %         | %   | ■ 0.4 | --- | --- | --- |
| Nitration (PA) | %   | 85    | --- | --- | --- |
| Sulfation (PA) | %   | 62    | --- | --- | --- |
| Glycol         | %   | NEG   | --- | --- | --- |
| Fuel           | %   | ■ 0.4 | --- | --- | --- |
| Silicon        | ppm | ■ 39  | --- | --- | --- |
| Sodium         | ppm | ■ 6   | --- | --- | --- |
| Potassium      | ppm | ■ 6   | --- | --- | --- |



### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | ■ 28  | --- | --- | --- |
| Copper     | ppm | ■ 218 | --- | --- | --- |
| Lead       | ppm | ■ <1  | --- | --- | --- |
| Tin        | ppm | ■ 3   | --- | --- | --- |
| Aluminum   | ppm | ■ 4   | --- | --- | --- |
| Chromium   | ppm | ■ <1  | --- | --- | --- |
| Molybdenum | ppm | ■ 91  | --- | --- | --- |
| Nickel     | ppm | ■ 3   | --- | --- | --- |
| Titanium   | ppm | <1    | --- | --- | --- |
| Silver     | ppm | ■ <1  | --- | --- | --- |
| Manganese  | ppm | ■ 6   | --- | --- | --- |
| Vanadium   | ppm | <1    | --- | --- | --- |



### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ■ 2216 | --- | --- | --- |
| Magnesium  | ppm | 84     | --- | --- | --- |
| Zinc       | ppm | ■ 1224 | --- | --- | --- |
| Phosphorus | ppm | ■ 1027 | --- | --- | --- |
| Barium     | ppm | ■ <1   | --- | --- | --- |
| Boron      | ppm | ■ 30   | --- | --- | --- |

**Depot:** VOLVO0096  
**Unique No:** 11088276  
**Signed:** Jonathan Hester  
**Report Date:** 24 Jun 2024



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## GRAPHS

