



# CONSTRUCTION EQUIPMENT

SW0921227 VOLVO A30G 75221 - REAR AXLE



**Sample No:** VCP337706  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SW0921227



## SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP337706   | --- | --- | --- |
| Sample Date   | 21 May 2022 | --- | --- | --- |
| Machine Hours | 1204        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | ATTENTION   | --- | --- | --- |

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## OIL CONDITION

|             |     |        |     |     |     |
|-------------|-----|--------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 90.2 | --- | --- | --- |
|-------------|-----|--------|-----|-----|-----|



## CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | --- | --- | --- |
| Silicon   | ppm | ■ 3 | --- | --- | --- |
| Sodium    | ppm | ■ 2 | --- | --- | --- |
| Potassium | ppm | ■ 4 | --- | --- | --- |



## WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | ■ 187 | --- | --- | --- |
| Copper     | ppm | ■ 25  | --- | --- | --- |
| Lead       | ppm | ■ <1  | --- | --- | --- |
| Tin        | ppm | ■ 2   | --- | --- | --- |
| Aluminum   | ppm | ■ <1  | --- | --- | --- |
| Chromium   | ppm | ■ 4   | --- | --- | --- |
| Molybdenum | ppm | ■ 6   | --- | --- | --- |
| Nickel     | ppm | ■ 1   | --- | --- | --- |
| Titanium   | ppm | 0     | --- | --- | --- |
| Silver     | ppm | <1    | --- | --- | --- |
| Manganese  | ppm | ■ 16  | --- | --- | --- |
| Vanadium   | ppm | 0     | --- | --- | --- |



## ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ■ 633  | --- | --- | --- |
| Magnesium  | ppm | ■ 3    | --- | --- | --- |
| Zinc       | ppm | ■ 267  | --- | --- | --- |
| Phosphorus | ppm | ■ 1507 | --- | --- | --- |
| Barium     | ppm | ■ 1    | --- | --- | --- |
| Boron      | ppm | ■ 176  | --- | --- | --- |

## 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.

**Depot:** VOLVO0093  
**Unique No:** 9993585  
**Signed:** Don Baldrige  
**Report Date:** 27 May 2022



# CONSTRUCTION EQUIPMENT



## GRAPHS

