



# CONSTRUCTION EQUIPMENT

## 57571 VOLVO EC55B 30203 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP421549  
**Oil Type:** GEAR OIL SAE 85W140  
**Job No:** 57571



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP421549   | --- | --- | --- |
| Sample Date   | 30 Aug 2023 | --- | --- | --- |
| Machine Hours | 4261        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | SEVERE      | --- | --- | --- |

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### OIL CONDITION

|             |     |     |     |     |     |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 185 | --- | --- | --- |
|-------------|-----|-----|-----|-----|-----|



### CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Silicon   | ppm | 560 | --- | --- | --- |
| Sodium    | ppm | 24  | --- | --- | --- |
| Potassium | ppm | 30  | --- | --- | --- |

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable due to the presence of contaminants.



### WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | 1868 | --- | --- | --- |
| Copper     | ppm | 5    | --- | --- | --- |
| Lead       | ppm | <1   | --- | --- | --- |
| Tin        | ppm | <1   | --- | --- | --- |
| Aluminum   | ppm | 213  | --- | --- | --- |
| Chromium   | ppm | 28   | --- | --- | --- |
| Molybdenum | ppm | 3    | --- | --- | --- |
| Nickel     | ppm | 3    | --- | --- | --- |
| Titanium   | ppm | 13   | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | 14   | --- | --- | --- |
| Vanadium   | ppm | 1    | --- | --- | --- |



### ADDITIVES

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Calcium    | ppm | 54  | --- | --- | --- |
| Magnesium  | ppm | 34  | --- | --- | --- |
| Zinc       | ppm | 53  | --- | --- | --- |
| Phosphorus | ppm | 135 | --- | --- | --- |
| Barium     | ppm | 0   | --- | --- | --- |
| Boron      | ppm | 0   | --- | --- | --- |

**Depot:** VOLVO0016  
**Unique No:** 10631615  
**Signed:** Don Baldrige  
**Report Date:** 06 Sep 2023



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## GRAPHS

