



# CONSTRUCTION EQUIPMENT

## X58471 VOLVO EC250ELR 316068 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP413366  
**Oil Type:** NOT GIVEN  
**Job No:** X58471



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP413366   | --- | --- | --- |
| Sample Date   | 21 Aug 2023 | --- | --- | --- |
| Machine Hours | 1719        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | SEVERE      | --- | --- | --- |

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### OIL CONDITION

|             |     |     |     |     |     |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 214 | --- | --- | --- |
|-------------|-----|-----|-----|-----|-----|



### CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Silicon   | ppm | 2132 | --- | --- | --- |
| Sodium    | ppm | 14   | --- | --- | --- |
| Potassium | ppm | 33   | --- | --- | --- |

### Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. 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 | 5801 | --- | --- | --- |
| Copper     | ppm | 6    | --- | --- | --- |
| Lead       | ppm | <1   | --- | --- | --- |
| Tin        | ppm | 2    | --- | --- | --- |
| Aluminum   | ppm | 178  | --- | --- | --- |
| Chromium   | ppm | 101  | --- | --- | --- |
| Molybdenum | ppm | 12   | --- | --- | --- |
| Nickel     | ppm | 7    | --- | --- | --- |
| Titanium   | ppm | 22   | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | 59   | --- | --- | --- |
| Vanadium   | ppm | <1   | --- | --- | --- |



### ADDITIVES

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Calcium    | ppm | 47  | --- | --- | --- |
| Magnesium  | ppm | 12  | --- | --- | --- |
| Zinc       | ppm | 21  | --- | --- | --- |
| Phosphorus | ppm | 302 | --- | --- | --- |
| Barium     | ppm | 0   | --- | --- | --- |
| Boron      | ppm | 0   | --- | --- | --- |

**Depot:** SCOSAI  
**Unique No:** 10617614  
**Signed:** Jonathan Hester  
**Report Date:** 25 Aug 2023



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## GRAPHS

