



# CONSTRUCTION EQUIPMENT

## X58693 VOLVO EC350EL 310238 - REAR LEFT FINAL DRIVE



**Sample No:** VCP413457

**Oil Type:** NOT GIVEN

**Job No:** X58693



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP413457   | --- | --- | --- |
| Sample Date   | 05 Oct 2023 | --- | --- | --- |
| Machine Hours | 7972        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | SEVERE      | --- | --- | --- |

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### OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 193 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



### CONTAMINATION

|           |     |       |     |     |     |
|-----------|-----|-------|-----|-----|-----|
| Silicon   | ppm | ● 246 | --- | --- | --- |
| Sodium    | ppm | █ 11  | --- | --- | --- |
| Potassium | ppm | █ 10  | --- | --- | --- |

### 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 | ● 2078 | --- | --- | --- |
| Copper     | ppm | █ 5    | --- | --- | --- |
| Lead       | ppm | █ <1   | --- | --- | --- |
| Tin        | ppm | █ 0    | --- | --- | --- |
| Aluminum   | ppm | ▲ 41   | --- | --- | --- |
| Chromium   | ppm | ● 31   | --- | --- | --- |
| Molybdenum | ppm | 3      | --- | --- | --- |
| Nickel     | ppm | █ 3    | --- | --- | --- |
| Titanium   | ppm | 3      | --- | --- | --- |
| Silver     | ppm | 0      | --- | --- | --- |
| Manganese  | ppm | 18     | --- | --- | --- |
| Vanadium   | ppm | <1     | --- | --- | --- |



### ADDITIVES

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Calcium    | ppm | 43  | --- | --- | --- |
| Magnesium  | ppm | 11  | --- | --- | --- |
| Zinc       | ppm | 23  | --- | --- | --- |
| Phosphorus | ppm | 267 | --- | --- | --- |
| Barium     | ppm | 4   | --- | --- | --- |
| Boron      | ppm | 2   | --- | --- | --- |

**Depot:** SCOSAI  
**Unique No:** 10689346  
**Signed:** Don Baldrige  
**Report Date:** 16 Oct 2023



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## GRAPHS

