



# CONSTRUCTION EQUIPMENT

## 34888-2 VOLVO EC350EL 314824 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP369671  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** 34888-2



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP369671   | --- | --- | --- |
| Sample Date   | 17 May 2024 | --- | --- | --- |
| Machine Hours | 466         | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | SEVERE      | --- | --- | --- |

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### OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ■ 174 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



### CONTAMINATION

|           |     |       |     |     |     |
|-----------|-----|-------|-----|-----|-----|
| Water     | %   | NEG   | --- | --- | --- |
| Silicon   | ppm | ▲ 347 | --- | --- | --- |
| Sodium    | ppm | ■ 19  | --- | --- | --- |
| Potassium | ppm | ■ 27  | --- | --- | --- |

### 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 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 | ▲ 566 | --- | --- | --- |
| Copper     | ppm | ■ 2   | --- | --- | --- |
| Lead       | ppm | ■ <1  | --- | --- | --- |
| Tin        | ppm | ■ <1  | --- | --- | --- |
| Aluminum   | ppm | ● 83  | --- | --- | --- |
| Chromium   | ppm | ■ 8   | --- | --- | --- |
| Molybdenum | ppm | ■ <1  | --- | --- | --- |
| Nickel     | ppm | ■ 2   | --- | --- | --- |
| Titanium   | ppm | 5     | --- | --- | --- |
| Silver     | ppm | <1    | --- | --- | --- |
| Manganese  | ppm | ■ 8   | --- | --- | --- |
| Vanadium   | ppm | <1    | --- | --- | --- |



### ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | ■ 66  | --- | --- | --- |
| Magnesium  | ppm | ■ 17  | --- | --- | --- |
| Zinc       | ppm | ■ 6   | --- | --- | --- |
| Phosphorus | ppm | ■ 339 | --- | --- | --- |
| Barium     | ppm | ■ 10  | --- | --- | --- |
| Boron      | ppm | ■ 3   | --- | --- | --- |

**Depot:** VOLVO8770  
**Unique No:** 11046319  
**Signed:** Sean Felton  
**Report Date:** 28 May 2024



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## GRAPHS

