



# CONSTRUCTION EQUIPMENT

## VOLVO ECR235EL 314118 - LEFT FINAL DRIVE



**Sample No:** VCP0008111  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP0008111  | --- | --- | --- |
| Sample Date   | 09 Nov 2023 | --- | --- | --- |
| Machine Hours | 522         | --- | --- | --- |
| Oil Hours     | 522         | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 114 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



### CONTAMINATION

|           |     |      |     |     |     |
|-----------|-----|------|-----|-----|-----|
| Silicon   | ppm | █ 70 | --- | --- | --- |
| Sodium    | ppm | █ 0  | --- | --- | --- |
| Potassium | ppm | █ 3  | --- | --- | --- |

**Diagnosis**  
 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 condition of the oil is acceptable for the time in service.



### WEAR METALS

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Iron       | ppm | █ 237 | --- | --- | --- |
| Copper     | ppm | █ 0   | --- | --- | --- |
| Lead       | ppm | █ 1   | --- | --- | --- |
| Tin        | ppm | █ <1  | --- | --- | --- |
| Aluminum   | ppm | █ 9   | --- | --- | --- |
| Chromium   | ppm | █ 6   | --- | --- | --- |
| Molybdenum | ppm | █ 4   | --- | --- | --- |
| Nickel     | ppm | █ <1  | --- | --- | --- |
| Titanium   | ppm | <1    | --- | --- | --- |
| Silver     | ppm | 0     | --- | --- | --- |
| Manganese  | ppm | █ 3   | --- | --- | --- |
| Vanadium   | ppm | 0     | --- | --- | --- |



### ADDITIVES

|            |     |       |     |     |     |
|------------|-----|-------|-----|-----|-----|
| Calcium    | ppm | █ 124 | --- | --- | --- |
| Magnesium  | ppm | █ 44  | --- | --- | --- |
| Zinc       | ppm | █ 77  | --- | --- | --- |
| Phosphorus | ppm | █ 495 | --- | --- | --- |
| Barium     | ppm | █ 0   | --- | --- | --- |
| Boron      | ppm | █ 5   | --- | --- | --- |

**Depot:** VOLVO0092  
**Unique No:** 10739768  
**Signed:** Jonathan Hester  
**Report Date:** 15 Nov 2023



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## VOLVO GRAPHS

