



# CONSTRUCTION EQUIPMENT

W07012851 SOUTHERN VOLVO ECR235E 314093 - FRONT RIGHT FINAL DRIVE



**Sample No:** VCP418020  
**Oil Type:** GEAR OIL SAE 80W140  
**Job No:** W07012851 SOUTHERN



## SAMPLE INFORMATION

Sample Number	VCP418020	---	---	---
Sample Date	26 Jul 2023	---	---	---
Machine Hours	2008	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

**McClung-Logan Virginia LLC- RICHMOND**  
1345 MOUNTAIN ROAD  
GLEN ALLEN, VA  
US 23060  
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T:  
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## OIL CONDITION

Visc @ 40°C	cSt	■ 277	---	---	---
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## CONTAMINATION

Silicon	ppm	▲ 347	---	---	---
Sodium	ppm	■ 9	---	---	---
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. Resample at the next service interval to monitor. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.



## WEAR METALS

Iron	ppm	▲ 624	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 108	---	---	---
Chromium	ppm	▲ 18	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	6	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 8	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	■ 19	---	---	---
Magnesium	ppm	■ 4	---	---	---
Zinc	ppm	■ 18	---	---	---
Phosphorus	ppm	■ 847	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 99	---	---	---

**Depot:** VOLVO8882  
**Unique No:** 10578258  
**Signed:** Don Baldrige  
**Report Date:** 01 Aug 2023



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## GRAPHS

