



# CONSTRUCTION EQUIPMENT

## SPM595020 ROEBUCK VOLVO ECR145E 310615 - REAR LEFT FINAL DRIVE



**Sample No:** VCP432644  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SPM595020 ROEBUCK



### SAMPLE INFORMATION

Sample Number	VCP432644	VCP359951	---	---
Sample Date	22 Aug 2023	14 Apr 2022	---	---
Machine Hours	4306	3078	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	283	282	---	---
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### CONTAMINATION

Silicon	ppm	23	11	---	---
Sodium	ppm	3	<1	---	---
Potassium	ppm	0	<1	---	---



### WEAR METALS

Iron	ppm	723	436	---	---
Copper	ppm	2	2	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	6	3	---	---
Molybdenum	ppm	1	<1	---	---
Nickel	ppm	2	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	4	---	---
Manganese	ppm	6	4	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	73	75	---	---
Magnesium	ppm	0	3	---	---
Zinc	ppm	31	37	---	---
Phosphorus	ppm	959	821	---	---
Barium	ppm	0	0	---	---
Boron	ppm	159	111	---	---

### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other 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.

**Depot:** VOLVO0093  
**Unique No:** 10621720  
**Signed:** Don Baldrige  
**Report Date:** 29 Aug 2023



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## GRAPHS

