



# CONSTRUCTION EQUIPMENT

SW1027501 VOLVO ECR145E 311495 - REAR LEFT FINAL DRIVE



**Sample No:** VCP435879  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SW1027501



## SAMPLE INFORMATION

Sample Number	VCP435879	VCP248837	---	---
Sample Date	07 Dec 2023	23 May 2019	---	---
Machine Hours	2111	440	---	---
Oil Hours	0	440	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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## OIL CONDITION

Visc @ 40°C	cSt	█ 135	█ 140	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 43	█ 13	---	---
Sodium	ppm	█ 4	█ 5	---	---
Potassium	ppm	█ 0	█ 7	---	---

## 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.



## WEAR METALS

Iron	ppm	▲ 572	█ 232	---	---
Copper	ppm	█ 3	█ 1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 6	█ 1	---	---
Chromium	ppm	█ 7	█ 5	---	---
Molybdenum	ppm	█ 0	0	---	---
Nickel	ppm	█ <1	1	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 7	6	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	█ 52	50	---	---
Magnesium	ppm	█ 2	1	---	---
Zinc	ppm	█ 27	31	---	---
Phosphorus	ppm	█ 904	528	---	---
Barium	ppm	█ 0	2	---	---
Boron	ppm	█ 124	5	---	---

**Depot:** VOLVO8770  
**Unique No:** 10791587  
**Signed:** Don Baldrige  
**Report Date:** 19 Dec 2023



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## VOLVO GRAPHS

