



# CONSTRUCTION EQUIPMENT

SWO-068096 APAC VOLVO EC480E 314549 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP435545  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SWO-068096 APAC



## SAMPLE INFORMATION

Sample Number	VCP435545	---	---	---
Sample Date	08 Dec 2023	---	---	---
Machine Hours	4060	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### COWIN EQUIPMENT COMPANY INC

1501 HWY 78 EAST  
 OXFORD, AL  
 US 36203

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## OIL CONDITION

Visc @ 40°C	cSt	█ 265	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 1	---	---	---



## WEAR METALS

Iron	ppm	▲ 985	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 5	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 107	---	---	---
Magnesium	ppm	█ 22	---	---	---
Zinc	ppm	█ 77	---	---	---
Phosphorus	ppm	█ 893	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 97	---	---	---

## 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:** COWOXF  
**Unique No:** 10789005  
**Signed:** Don Baldrige  
**Report Date:** 17 Dec 2023



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## GRAPHS

