



# CONSTRUCTION EQUIPMENT

SW-23802-2 CASTLE VA VOLVO EC480E 314667 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP412479  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SW-23802-2 CASTLE VA



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## SAMPLE INFORMATION

Sample Number	<b>VCP412479</b>	VCP396454	VCP346831	---
Sample Date	<b>11 Sep 2023</b>	17 Nov 2022	10 Mar 2022	---
Machine Hours	<b>4022</b>	2134	498	---
Oil Hours	<b>2000</b>	2134	498	---
Oil Changed	<b>Changed</b>	Changed	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>165</b>	178	177	---
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## CONTAMINATION

Silicon	ppm	<b>24</b>	10	8	---
Sodium	ppm	<b>1</b>	<1	2	---
Potassium	ppm	<b>2</b>	2	1	---



## WEAR METALS

Iron	ppm	<b>760</b>	647	317	---
Copper	ppm	<b>1</b>	<1	<1	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>4</b>	2	2	---
Chromium	ppm	<b>5</b>	8	6	---
Molybdenum	ppm	<b>38</b>	1	1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>5</b>	6	6	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>10</b>	5	8	---
Magnesium	ppm	<b>0</b>	1	<1	---
Zinc	ppm	<b>0</b>	10	3	---
Phosphorus	ppm	<b>580</b>	203	327	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>58</b>	3	2	---

## 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.

**Depot:** VOLVO8770  
**Unique No:** 10655618  
**Signed:** Sean Felton  
**Report Date:** 20 Sep 2023



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## GRAPHS

