



# CONSTRUCTION EQUIPMENT

## VOLVO EC480 314580 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP422303  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP422303</b>	VCP411088	---	---
Sample Date	<b>08 Dec 2023</b>	29 Nov 2023	---	---
Machine Hours	<b>4530</b>	4524	---	---
Oil Hours	<b>0</b>	2000	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>ABNORMAL</b>	SEVERE	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>265</b>	347	---	---
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### CONTAMINATION

Water	%	<b>0.164</b>	0.810	---	---
Silicon	ppm	<b>122</b>	304	---	---
Sodium	ppm	<b>0</b>	0	---	---
Potassium	ppm	<b>3</b>	4	---	---



### WEAR METALS

Iron	ppm	<b>3843</b>	9320	---	---
Copper	ppm	<b>5</b>	15	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>8</b>	23	---	---
Chromium	ppm	<b>17</b>	42	---	---
Molybdenum	ppm	<b>7</b>	7	---	---
Nickel	ppm	<b>1</b>	3	---	---
Titanium	ppm	<b>&lt;1</b>	2	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>21</b>	53	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>364</b>	637	---	---
Magnesium	ppm	<b>46</b>	26	---	---
Zinc	ppm	<b>90</b>	66	---	---
Phosphorus	ppm	<b>993</b>	621	---	---
Barium	ppm	<b>0</b>	<1	---	---
Boron	ppm	<b>162</b>	90	---	---

### 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. The water content is negligible. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0090  
**Unique No:** 10789447  
**Signed:** Sean Felton  
**Report Date:** 18 Dec 2023



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## GRAPHS

