



# CONSTRUCTION EQUIPMENT

1727 RENTALS VOLVO EC480E 315143 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP437657  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 1727 RENTALS



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## SAMPLE INFORMATION

Sample Number	<b>VCP437657</b>	VCP432306	VCP413305	---
Sample Date	<b>29 Jan 2024</b>	31 Oct 2023	15 Aug 2023	---
Machine Hours	<b>2300</b>	1550	1031	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Not Changd	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>156</b>	153	154	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>9</b>	7	6	---
Sodium	ppm	<b>&lt;1</b>	<1	0	---
Potassium	ppm	<b>2</b>	1	2	---



## WEAR METALS

Iron	ppm	<b>279</b>	220	183	---
Copper	ppm	<b>1</b>	0	<1	---
Lead	ppm	<b>&lt;1</b>	0	0	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>1</b>	<1	<1	---
Chromium	ppm	<b>5</b>	3	4	---
Molybdenum	ppm	<b>1</b>	0	<1	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>4</b>	2	3	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>7</b>	12	10	---
Magnesium	ppm	<b>&lt;1</b>	<1	<1	---
Zinc	ppm	<b>0</b>	15	12	---
Phosphorus	ppm	<b>825</b>	705	788	---
Barium	ppm	<b>0</b>	<1	4	---
Boron	ppm	<b>101</b>	123	132	---

## 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:** VOLVO0096  
**Unique No:** 10862327  
**Signed:** Don Baldrige  
**Report Date:** 07 Feb 2024



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## GRAPHS

