



# CONSTRUCTION EQUIPMENT

## 621896 VOLVO EC480E 315143 - REAR LEFT FINAL DRIVE



**Sample No:** VCP432309  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 621896



**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
 9601 BOGGY CREEK RD  
 ORLANDO, FL  
 US 32824  
 Contact: Robert LaPlante  
 robert.laplante@altg.com  
 T: (407)508-9736  
 F: (407)659-8720



### SAMPLE INFORMATION

Sample Number	<b>VCP432309</b>	VCP413434	VCP411719	---
Sample Date	<b>31 Oct 2023</b>	15 Aug 2023	07 Jun 2023	---
Machine Hours	<b>1550</b>	1031	587	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>157</b>	156	176	---
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### CONTAMINATION

Silicon	ppm	<b>9</b>	8	10	---
Sodium	ppm	<b>1</b>	<1	<1	---
Potassium	ppm	<b>1</b>	2	3	---



### WEAR METALS

Iron	ppm	<b>282</b>	238	306	---
Copper	ppm	<b>&lt;1</b>	<1	<1	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>1</b>	<1	2	---
Chromium	ppm	<b>4</b>	4	5	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>3</b>	3	5	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>8</b>	12	10	---
Magnesium	ppm	<b>&lt;1</b>	1	<1	---
Zinc	ppm	<b>18</b>	13	6	---
Phosphorus	ppm	<b>629</b>	726	311	---
Barium	ppm	<b>2</b>	4	7	---
Boron	ppm	<b>99</b>	106	0	---

### 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:** 10725291  
**Signed:** Sean Felton  
**Report Date:** 03 Nov 2023



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## GRAPHS

