



# CONSTRUCTION EQUIPMENT

SPM632787 VOLVO EC480E 314792 - LEFT FINAL DRIVE



**Sample No:** VCP429105  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM632787



## SAMPLE INFORMATION

Sample Number	<b>VCP429105</b>	VCP409267	VCP404071	---
Sample Date	<b>02 Nov 2023</b>	07 Jul 2023	21 Apr 2023	---
Machine Hours	<b>3011</b>	2503	1993	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

### SIMS METAL MANAGEMENT

2500 S. PAULINA  
CHICAGO, IL  
US 60608  
Contact: RYAN WISE  
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T:  
F:

## OIL CONDITION

Visc @ 40°C	cSt	<b>160</b>	188	185	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>12</b>	41	40	---
Sodium	ppm	<b>12</b>	2	1	---
Potassium	ppm	<b>3</b>	0	<1	---

### 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.

## WEAR METALS

Iron	ppm	<b>189</b>	198	256	---
Copper	ppm	<b>&lt;1</b>	<1	0	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>2</b>	6	9	---
Chromium	ppm	<b>6</b>	3	4	---
Molybdenum	ppm	<b>&lt;1</b>	3	2	---
Nickel	ppm	<b>&lt;1</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>6</b>	3	4	---
Vanadium	ppm	<b>0</b>	<1	0	---

## ADDITIVES

Calcium	ppm	<b>30</b>	2941	2509	---
Magnesium	ppm	<b>2</b>	81	45	---
Zinc	ppm	<b>5</b>	1063	830	---
Phosphorus	ppm	<b>301</b>	870	748	---
Barium	ppm	<b>4</b>	0	0	---
Boron	ppm	<b>0</b>	10	2	---

**Depot:** SIMCHIL  
**Unique No:** 10767322  
**Signed:** Sean Felton  
**Report Date:** 05 Dec 2023



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## GRAPHS

