



# CONSTRUCTION EQUIPMENT

## SPM579512 VOLVO EC480EL 314792 - LEFT SWING DRIVE



**Sample No:** VCP409261  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM579512



### SAMPLE INFORMATION

Sample Number	<b>VCP409261</b>	VCP404072	VCP369246	---
Sample Date	<b>07 Jul 2023</b>	21 Apr 2023	26 Jan 2023	---
Machine Hours	<b>2503</b>	1993	1441	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

### SIMS METAL MANAGEMENT

2500 S. PAULINA  
 CHICAGO, IL  
 US 60608  
 Contact: RYAN WISE  
 ryan.wise@simsmm.com  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>185</b>	159	160	---
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### CONTAMINATION

Silicon	ppm	<b>20</b>	17	17	---
Sodium	ppm	<b>&lt;1</b>	4	2	---
Potassium	ppm	<b>0</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>50</b>	230	232	---
Copper	ppm	<b>5</b>	11	13	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>1</b>	1	<1	---
Chromium	ppm	<b>&lt;1</b>	4	4	---
Molybdenum	ppm	<b>3</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>1</b>	4	4	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>2570</b>	15	17	---
Magnesium	ppm	<b>62</b>	0	2	---
Zinc	ppm	<b>944</b>	20	20	---
Phosphorus	ppm	<b>794</b>	320	309	---
Barium	ppm	<b>0</b>	<1	5	---
Boron	ppm	<b>4</b>	0	0	---

**Depot:** SIMCHIL  
**Unique No:** 10560812  
**Signed:** Don Baldrige  
**Report Date:** 18 Jul 2023



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## GRAPHS

