



# CONSTRUCTION EQUIPMENT

## SPM632787 VOLVO EC480EL 314792 - LEFT SWING DRIVE



**Sample No:** VCP429127  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM632787



### SAMPLE INFORMATION

Sample Number	<b>VCP429127</b>	VCP409261	VCP404072	VCP369246
Sample Date	<b>02 Nov 2023</b>	07 Jul 2023	21 Apr 2023	26 Jan 2023
Machine Hours	<b>3011</b>	2503	1993	1441
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	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>161</b>	185	159	160
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>14</b>	20	17	17
Sodium	ppm	<b>13</b>	<1	4	2
Potassium	ppm	<b>4</b>	0	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>206</b>	50	230	232
Copper	ppm	<b>&lt;1</b>	5	11	13
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	1	1	<1
Chromium	ppm	<b>7</b>	<1	4	4
Molybdenum	ppm	<b>&lt;1</b>	3	<1	<1
Nickel	ppm	<b>1</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>6</b>	1	4	4
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>34</b>	2570	15	17
Magnesium	ppm	<b>3</b>	62	0	2
Zinc	ppm	<b>6</b>	944	20	20
Phosphorus	ppm	<b>310</b>	794	320	309
Barium	ppm	<b>4</b>	0	<1	5
Boron	ppm	<b>0</b>	4	0	0

**Depot:** SIMCHIL  
**Unique No:** 10767321  
**Signed:** Sean Felton  
**Report Date:** 05 Dec 2023



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## GRAPHS

