



# CONSTRUCTION EQUIPMENT

## SPM717168 VOLVO EC480E 314792 - RIGHT FINAL DRIVE



**Sample No:** VCP436304  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM717168



### SAMPLE INFORMATION

Sample Number	<b>VCP436304</b>	VCP409255	VCP408117	VCP404073
Sample Date	<b>07 Jun 2024</b>	02 Nov 2023	07 Jul 2023	21 Apr 2023
Machine Hours	<b>3996</b>	3011	2503	1993
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Changed
Sample Status	<b>ATTENTION</b>	NORMAL	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>186</b>	160	189	185
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>45</b>	12	34	39
Sodium	ppm	<b>3</b>	12	<1	2
Potassium	ppm	<b>1</b>	3	0	1



### WEAR METALS

Iron	ppm	<b>297</b>	185	179	333
Copper	ppm	<b>&lt;1</b>	<1	<1	0
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>7</b>	2	4	9
Chromium	ppm	<b>5</b>	6	2	6
Molybdenum	ppm	<b>3</b>	<1	3	2
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>4</b>	6	3	5
Vanadium	ppm	<b>&lt;1</b>	0	<1	0



### ADDITIVES

Calcium	ppm	<b>2934</b>	28	2981	2390
Magnesium	ppm	<b>69</b>	2	71	46
Zinc	ppm	<b>973</b>	4	1065	794
Phosphorus	ppm	<b>873</b>	291	870	732
Barium	ppm	<b>0</b>	4	0	0
Boron	ppm	<b>5</b>	0	4	2

### 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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

**Depot:** SIMCHIL  
**Unique No:** 11087926  
**Signed:** Sean Felton  
**Report Date:** 21 Jun 2024



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## GRAPHS

