



# CONSTRUCTION EQUIPMENT

## SPM579512 VOLVO EC480E 314792 - RIGHT FINAL DRIVE



**Sample No:** VCP408117  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM579512



### SAMPLE INFORMATION

Sample Number	VCP408117	VCP404073	---	---
Sample Date	07 Jul 2023	21 Apr 2023	---	---
Machine Hours	2503	1993	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	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	█ 189	█ 185	---	---
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### CONTAMINATION

Silicon	ppm	█ 34	█ 39	---	---
Sodium	ppm	█ <1	█ 2	---	---
Potassium	ppm	█ 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	█ 179	█ 333	---	---
Copper	ppm	█ <1	█ 0	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 4	█ 9	---	---
Chromium	ppm	█ 2	█ 6	---	---
Molybdenum	ppm	█ 3	█ 2	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	█ <1	█ <1	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 3	█ 5	---	---
Vanadium	ppm	█ <1	█ 0	---	---



### ADDITIVES

Calcium	ppm	█ 2981	█ 2390	---	---
Magnesium	ppm	█ 71	█ 46	---	---
Zinc	ppm	█ 1065	█ 794	---	---
Phosphorus	ppm	█ 870	█ 732	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 4	█ 2	---	---

**Depot:** SIMCHIL  
**Unique No:** 10560819  
**Signed:** Don Baldrige  
**Report Date:** 18 Jul 2023



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## GRAPHS

