



# CONSTRUCTION EQUIPMENT

SPM688848 VOLVO EC480EL 315144 - RIGHT FINAL DRIVE



**Sample No:** VCP443594  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SPM688848



## SAMPLE INFORMATION

Sample Number	VCP443594	VCP420676	---	---
Sample Date	02 Apr 2024	18 Jul 2023	---	---
Machine Hours	1019	436	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Changed	Changed	---	---
Sample Status	NORMAL	ATTENTION	---	---

## SIMS METAL MANAGEMENT

2500 S. PAULINA  
CHICAGO, IL  
US 60608

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## OIL CONDITION

Visc @ 40°C	cSt	█ 196	● 147	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 21	█ <1	---	---
Sodium	ppm	█ <1	█ <1	---	---
Potassium	ppm	█ 0	█ 0	---	---

## 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	█ 108	█ 3	---	---
Copper	ppm	█ 40	█ 0	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 1	█ 1	---	---
Chromium	ppm	█ <1	█ 0	---	---
Molybdenum	ppm	█ 2	0	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	█ 0	█ <1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 3	0	---	---
Vanadium	ppm	0	<1	---	---



## ADDITIVES

Calcium	ppm	█ 2159	2	---	---
Magnesium	ppm	█ 25	0	---	---
Zinc	ppm	█ 984	0	---	---
Phosphorus	ppm	█ 858	972	---	---
Barium	ppm	█ <1	0	---	---
Boron	ppm	█ 11	195	---	---

**Depot:** SIMCHIL  
**Unique No:** 10990288  
**Signed:** Don Baldrige  
**Report Date:** 23 Apr 2024



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## GRAPHS

