



# CONSTRUCTION EQUIPMENT

SW-28378-2 CMC ROCK VOLVO EC480EL 315023 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP412546  
**Oil Type:** VOLVO PREMIUM GEAR OIL 80W-90 GL-5  
**Job No:** SW-28378-2 CMC ROCK



**ARNOLD MACHINERY COMPANY**  
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## SAMPLE INFORMATION

Sample Number	VCP412546	VCP406301	---	---
Sample Date	04 Jan 2024	06 Apr 2023	---	---
Machine Hours	2330	621	---	---
Oil Hours	1300	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	NORMAL	ABNORMAL	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 167	█ 167	---	---
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## CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	█ 87	█ 70	---	---
Sodium	ppm	█ 6	█ 4	---	---
Potassium	ppm	█ 6	█ 4	---	---



## WEAR METALS

Iron	ppm	█ 1082	█ 330	---	---
Copper	ppm	█ 1	█ <1	---	---
Lead	ppm	█ <1	█ 0	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	█ 19	█ 16	---	---
Chromium	ppm	█ 10	█ 6	---	---
Molybdenum	ppm	█ <1	█ 2	---	---
Nickel	ppm	█ <1	<1	---	---
Titanium	ppm	█ 1	1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 9	█ 6	---	---
Vanadium	ppm	<1	0	---	---



## ADDITIVES

Calcium	ppm	█ 112	█ 108	---	---
Magnesium	ppm	█ 17	█ 15	---	---
Zinc	ppm	█ 32	█ 26	---	---
Phosphorus	ppm	█ 772	█ 308	---	---
Barium	ppm	█ 4	█ 4	---	---
Boron	ppm	█ 74	█ 6	---	---

## 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.

**Depot:** VOLVO8770  
**Unique No:** 10836575  
**Signed:** Wes Davis  
**Report Date:** 19 Jan 2024



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## VOLVO GRAPHS

