



# CONSTRUCTION EQUIPMENT

## G07478 VOLVO EC380 314211 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP409830  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** G07478



**HOFFMAN EQUIPMENT - DEPTFORD**  
 1330 HURFFVILLE ROAD  
 DEPTFORD, NJ  
 US 08096  
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### SAMPLE INFORMATION

Sample Number	VCP409830	---	---	---
Sample Date	07 Jul 2023	---	---	---
Machine Hours	4109	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



### OIL CONDITION

Visc @ 40°C	cSt	█ 142	---	---	---
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### CONTAMINATION

Silicon	ppm	▲ 83	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 2	---	---	---



### WEAR METALS

Iron	ppm	█ 316	---	---	---
Copper	ppm	█ 0	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	▲ 19	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ 1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	█ 67	---	---	---
Magnesium	ppm	█ 6	---	---	---
Zinc	ppm	█ 27	---	---	---
Phosphorus	ppm	█ 974	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 172	---	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO8880  
**Unique No:** 10552847  
**Signed:** Don Baldrige  
**Report Date:** 14 Jul 2023



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## VOLVO GRAPHS

