



# CONSTRUCTION EQUIPMENT

## 23629 VOLVO EC380EL 314027 - REAR LEFT FINAL DRIVE



**Sample No:** VCP420825  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 23629



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### SAMPLE INFORMATION

Sample Number	VCP420825	---	---	---
Sample Date	12 Jul 2023	---	---	---
Machine Hours	6393	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



### OIL CONDITION

Visc @ 40°C	cSt	■ 42.9	---	---	---
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### CONTAMINATION

Silicon	ppm	◆ 425	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 5	---	---	---



### WEAR METALS

Iron	ppm	◆ 1840	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	▲ 57	---	---	---
Chromium	ppm	▲ 12	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	5	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 11	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	■ 1111	---	---	---
Magnesium	ppm	■ 15	---	---	---
Zinc	ppm	■ 439	---	---	---
Phosphorus	ppm	■ 848	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 107	---	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. Confirm oil type. The oil is no longer serviceable due to the presence of contaminants.

**Depot:** VOLVO3387  
**Unique No:** 10563009  
**Signed:** Don Baldrige  
**Report Date:** 20 Jul 2023



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## VOLVO GRAPHS

