



# CONSTRUCTION EQUIPMENT

## 25626 VOLVO EC220E 316118 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP452657  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:** 25626



### SAMPLE INFORMATION

Sample Number	VCP452657	---	---	---
Sample Date	08 May 2024	---	---	---
Machine Hours	516	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

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 US 29418  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 170	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 218	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 4	---	---	---

### Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. 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. The oil is no longer serviceable due to the presence of contaminants.



### WEAR METALS

Iron	ppm	▲ 697	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	● 23	---	---	---
Chromium	ppm	█ 8	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 1	---	---	---
Titanium	ppm	3	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 11	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 86	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 30	---	---	---
Phosphorus	ppm	█ 321	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO3387  
**Unique No:** 11030480  
**Signed:** Sean Felton  
**Report Date:** 16 May 2024



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## VOLVO GRAPHS

