



# CONSTRUCTION EQUIPMENT

## X59558 VOLVO EC300ELR 317660 - REAR RIGHT FINAL DRIVE



**Sample No:** VCP437017  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** X59558



### SAMPLE INFORMATION

Sample Number	VCP437017	---	---	---
Sample Date	02 May 2024	---	---	---
Machine Hours	1020	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 276	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 166	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 13	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	█ 393	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 26	---	---	---
Chromium	ppm	█ 10	---	---	---
Molybdenum	ppm	█ 2	---	---	---
Nickel	ppm	█ 2	---	---	---
Titanium	ppm	2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 10	---	---	---
Magnesium	ppm	█ 4	---	---	---
Zinc	ppm	█ 21	---	---	---
Phosphorus	ppm	█ 834	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 131	---	---	---

**Depot:** SCOSAI  
**Unique No:** 11019024  
**Signed:** Don Baldrige  
**Report Date:** 10 May 2024



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## VOLVO GRAPHS

