



# CONSTRUCTION EQUIPMENT

## 354477 VOLVO EC300ELR 314370 - FRONT LEFT FINAL DRIVE



**Sample No:** VCP415959  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** 354477



### SAMPLE INFORMATION

Sample Number	VCP415959	VCP353925	---	---
Sample Date	07 Sep 2023	06 Jun 2022	---	---
Machine Hours	1625	992	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	ABNORMAL	NORMAL	---	---

### ALTA EQUIPMENT

5985 COURT STREET ROAD  
 SYRACUSE, NY  
 US 13206  
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 JIM.STRIGLE@ALTG.COM  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 142	█ 146	---	---
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### CONTAMINATION

Silicon	ppm	▲ 178	█ 74	---	---
Sodium	ppm	█ 4	█ 2	---	---
Potassium	ppm	█ 19	█ 12	---	---

### 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.



### WEAR METALS

Iron	ppm	█ 394	█ 210	---	---
Copper	ppm	█ 0	█ <1	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ <1	█ 0	---	---
Aluminum	ppm	▲ 33	█ 22	---	---
Chromium	ppm	█ 12	█ 7	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ <1	<1	---	---
Titanium	ppm	3	2	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	█ 5	█ 3	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	█ 382	█ 289	---	---
Magnesium	ppm	█ 17	█ 16	---	---
Zinc	ppm	█ 74	█ 14	---	---
Phosphorus	ppm	█ 993	█ 866	---	---
Barium	ppm	█ 0	█ <1	---	---
Boron	ppm	█ 169	█ 130	---	---

**Depot:** VOLV00142  
**Unique No:** 10643525  
**Signed:** Sean Felton  
**Report Date:** 13 Sep 2023



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## VOLVO GRAPHS

