



# CONSTRUCTION EQUIPMENT

## VOLVO ECR58F 11700 - REAR LEFT FINAL DRIVE



**Sample No:** VCP413116  
**Oil Type:** OEM  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP413116	---	---	---
Sample Date	20 Nov 2023	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**DH FUNK AND SONS LLC**  
 3995 CONTINENTAL DRIVE  
 COLUMBIA, PA  
 US 17512  
 Contact: GARY SHEPHERD  
 GSHEPHERD@DHFUNK.COM  
 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	■ 90.5	---	---	---
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### CONTAMINATION

Water	%	■ NEG	---	---	---
Silicon	ppm	▲ 206	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 35	---	---	---

### 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. Resample at the next service interval to monitor. Gear wear is indicated. 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	▲ 976	---	---	---
Copper	ppm	■ 7	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	▲ 91	---	---	---
Chromium	ppm	▲ 22	---	---	---
Molybdenum	ppm	■ 17	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	■ 5	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 12	---	---	---
Vanadium	ppm	■ <1	---	---	---



### ADDITIVES

Calcium	ppm	■ 3738	---	---	---
Magnesium	ppm	■ 23	---	---	---
Zinc	ppm	■ 723	---	---	---
Phosphorus	ppm	■ 591	---	---	---
Barium	ppm	■ 35	---	---	---
Boron	ppm	■ 17	---	---	---

**Depot:** DHFCOL  
**Unique No:** 10755973  
**Signed:** Sean Felton  
**Report Date:** 28 Nov 2023



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## GRAPHS

