



CONSTRUCTION EQUIPMENT

354477 VOLVO EC300ELR 314370 - FRONT RIGHT FINAL DRIVE



Sample No: VCP416504

Oil Type: NOT GIVEN

Job No: 354477



SAMPLE INFORMATION

Sample Number	VCP416504	VCP354185	---	---
Sample Date	07 Aug 2023	06 Jun 2022	---	---
Machine Hours	1625	992	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

ALTA EQUIPMENT

5985 COURT STREET ROAD
 SYRACUSE, NY
 US 13206
 Contact: JIM STRIGLE
 JIM.STRIGLE@ALTG.COM
 T: (315)437-2611
 F: (315)434-9471



OIL CONDITION

Visc @ 40°C	cSt	146	146	---	---
-------------	-----	------------	-----	-----	-----



CONTAMINATION

Silicon	ppm	▲ 179	▲ 215	---	---
Sodium	ppm	■ 4	■ 4	---	---
Potassium	ppm	■ 22	■ 29	---	---

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	■ 498	■ 341	---	---
Copper	ppm	■ 0	■ <1	---	---
Lead	ppm	■ 0	■ <1	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	▲ 30	▲ 69	---	---
Chromium	ppm	■ 11	■ 8	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	■ <1	■ <1	---	---
Titanium	ppm	3	4	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	6	5	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	331	605	---	---
Magnesium	ppm	24	35	---	---
Zinc	ppm	15	24	---	---
Phosphorus	ppm	989	852	---	---
Barium	ppm	0	1	---	---
Boron	ppm	161	82	---	---

Depot: VOLV00142
Unique No: 10643524
Signed: Sean Felton
Report Date: 13 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

