



CONSTRUCTION EQUIPMENT

407603 VOLVO EC480 314580 - REAR RIGHT FINAL DRIVE



Sample No: VCP411088
Oil Type: GEAR OIL SAE 85W140
Job No: 407603



SAMPLE INFORMATION

Sample Number	VCP411088	---	---	---
Sample Date	29 Nov 2023	---	---	---
Machine Hours	4524	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

ALTA EQUIPMENT COMPANY

5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
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 T:
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OIL CONDITION

Visc @ 40°C	cSt	■ 347	---	---	---
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CONTAMINATION

Water	%	▲ 0.810	---	---	---
Silicon	ppm	■ 304	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 4	---	---	---



WEAR METALS

Iron	ppm	● 9320	---	---	---
Copper	ppm	■ 15	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 23	---	---	---
Chromium	ppm	▲ 42	---	---	---
Molybdenum	ppm	■ 7	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	■ 2	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	53	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	■ 637	---	---	---
Magnesium	ppm	■ 26	---	---	---
Zinc	ppm	■ 66	---	---	---
Phosphorus	ppm	■ 621	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ 90	---	---	---

Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is a moderate concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: VOLVO0090
Unique No: 10767717
Signed: Angela Borella
Report Date: 05 Dec 2023



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GRAPHS

