



# CONSTRUCTION EQUIPMENT

SPM673707 BULK EXP VOLVO EC220EL 315538 - SWING DRIVE



**Sample No:** VCP454240  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** SPM673707 BULK EXP



**ALTA EQUIPMENT COMPANY**  
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## SAMPLE INFORMATION

Sample Number	VCP454240	---	---	---
Sample Date	02 Apr 2024	---	---	---
Machine Hours	2000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 160	---	---	---
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## CONTAMINATION

Water	%	█ 0.074	---	---	---
Silicon	ppm	█ 32	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ 0	---	---	---



## WEAR METALS

Iron	ppm	█ 420	---	---	---
Copper	ppm	▲ 98	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 9	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 0	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 54	---	---	---
Phosphorus	ppm	█ 321	---	---	---
Barium	ppm	█ 2	---	---	---
Boron	ppm	█ 4	---	---	---

## 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. The copper level is abnormal. All other component wear rates are normal. Free water present. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0095  
**Unique No:** 10965059  
**Signed:** Don Baldrige  
**Report Date:** 09 Apr 2024



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## VOLVO GRAPHS

