



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 35323 - BOGIE/CENTER AXLE



**Sample No:** VCP437504  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP437504	---	---	---
Sample Date	12 Apr 2024	---	---	---
Machine Hours	2288	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	● 52.3	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 4	---	---	---



### WEAR METALS

Iron	ppm	■ 158	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ 2	---	---	---
Molybdenum	ppm	■ 5	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 6	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 99	---	---	---
Magnesium	ppm	■ 1	---	---	---
Zinc	ppm	● 36	---	---	---
Phosphorus	ppm	● 2329	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	● 293	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

**Depot:** VOLVO0090  
**Unique No:** 10990229  
**Signed:** Don Baldrige  
**Report Date:** 23 Apr 2024



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## GRAPHS

