



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 353418 - REAR AXLE



**Sample No:** VCP416381  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP416381	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	997	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
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### OIL CONDITION

Visc @ 40°C	cSt	▲ 52.7	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 3	---	---	---
Sodium	ppm	■ 1	---	---	---
Potassium	ppm	■ 3	---	---	---

### WEAR METALS

Iron	ppm	■ 111	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ 4	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 162	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	■ 63	---	---	---
Phosphorus	ppm	■ 2056	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 296	---	---	---

**Diagnosis**  
 The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The oil viscosity is lower than normal. Confirm oil type.

**Depot:** VOLVO0090  
**Unique No:** 10725305  
**Signed:** Don Baldrige  
**Report Date:** 04 Nov 2023



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## GRAPHS

