



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352505 - BOGIE/CENTER AXLE



**Sample No:** VCP409177  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP409177	---	---	---
Sample Date	18 Sep 2023	---	---	---
Machine Hours	3611	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	▲ 51.7	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 6	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 5	---	---	---

**Diagnosis**  
 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.



### WEAR METALS

Iron	ppm	■ 301	---	---	---
Copper	ppm	■ 6	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 3	---	---	---
Molybdenum	ppm	■ 8	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ 15	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	■ 129	---	---	---
Magnesium	ppm	■ 4	---	---	---
Zinc	ppm	■ 64	---	---	---
Phosphorus	ppm	■ 2296	---	---	---
Barium	ppm	■ 2	---	---	---
Boron	ppm	■ 153	---	---	---

**Depot:** DUNBEL  
**Unique No:** 10702418  
**Signed:** Don Baldrige  
**Report Date:** 23 Oct 2023



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## GRAPHS

