



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342348 - FRONT AXLE



**Sample No:** VCP421971  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP421971	---	---	---
Sample Date	30 Nov 2023	---	---	---
Machine Hours	4898	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

**THE GW VAN KEPPEL COMPANY**  
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 US 73127  
 Contact: ZACHARY BOWDISH  
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 T: (405)495-0606  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 177	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ <1	---	---	---
Potassium	ppm	█ <1	---	---	---



### WEAR METALS

Iron	ppm	█ 37	---	---	---
Copper	ppm	█ <1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 64	---	---	---
Magnesium	ppm	█ 0	---	---	---
Zinc	ppm	█ 26	---	---	---
Phosphorus	ppm	█ 1639	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 145	---	---	---

### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.  
 All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0052  
**Unique No:** 10769951  
**Signed:** Wes Davis  
**Report Date:** 06 Dec 2023



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## GRAPHS

