



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 742259 - FRONT AXLE



**Sample No:** VCP431211  
**Oil Type:** VOLVO SUPER GEAR OIL 75W-80-GO102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP431211	---	---	---
Sample Date	27 Sep 2023	---	---	---
Machine Hours	6286	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 45.6	---	---	---
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### CONTAMINATION

Silicon	ppm	█ 18	---	---	---
Sodium	ppm	█ 9	---	---	---
Potassium	ppm	█ 0	---	---	---



### WEAR METALS

Iron	ppm	█ 306	---	---	---
Copper	ppm	█ 116	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 2	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ 5	---	---	---
Molybdenum	ppm	█ 4	---	---	---
Nickel	ppm	█ 3	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 6	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 2661	---	---	---
Magnesium	ppm	█ 11	---	---	---
Zinc	ppm	█ 1154	---	---	---
Phosphorus	ppm	█ 1321	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 168	---	---	---

### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible yellow metal present. 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:** VOLVO8531  
**Unique No:** 10671434  
**Signed:** Don Baldrige  
**Report Date:** 01 Oct 2023



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## GRAPHS

