



# CONSTRUCTION EQUIPMENT

## SWA404220 RENTAL VOLVO A25G 752583 - FRONT AXLE



**Sample No:** VCP441624  
**Oil Type:** GEAR OIL SAE 80W90  
**Job No:** SWA404220 RENTAL



### SAMPLE INFORMATION

Sample Number	VCP441624	VCP419519	---	---
Sample Date	06 Nov 2023	21 Jul 2023	---	---
Machine Hours	2925	2080	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

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 5000 INDUSTRIAL HWY  
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 F:



### OIL CONDITION

Visc @ 40°C	cSt	▲ 92.7	▲ 84.3	---	---
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### CONTAMINATION

Silicon	ppm	■ 19	■ 4	---	---
Sodium	ppm	■ 2	■ 2	---	---
Potassium	ppm	■ <1	■ 4	---	---



### WEAR METALS

Iron	ppm	■ 180	■ 203	---	---
Copper	ppm	■ 114	■ 30	---	---
Lead	ppm	■ 1	■ <1	---	---
Tin	ppm	■ 5	■ 1	---	---
Aluminum	ppm	■ <1	■ 0	---	---
Chromium	ppm	■ 2	■ 3	---	---
Molybdenum	ppm	■ 2	■ 5	---	---
Nickel	ppm	■ <1	■ 2	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	■ 3	■ 8	---	---
Vanadium	ppm	0	<1	---	---



### ADDITIVES

Calcium	ppm	▲ 3271	■ 814	---	---
Magnesium	ppm	■ 30	■ 7	---	---
Zinc	ppm	▲ 1380	■ 337	---	---
Phosphorus	ppm	■ 1180	■ 1193	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 79	■ 241	---	---

### 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:** VOLVO8885  
**Unique No:** 10736976  
**Signed:** Sean Felton  
**Report Date:** 13 Nov 2023



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## GRAPHS

