



# CONSTRUCTION EQUIPMENT

580674 APTIM VOLVO A35G 340227 - FRONT AXLE



**Sample No:** VCP417072  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 580674 APTIM



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## SAMPLE INFORMATION

Sample Number	VCP417072	VCP395746	---	---
Sample Date	27 Jul 2023	01 Feb 2023	---	---
Machine Hours	7611	6647	---	---
Oil Hours	4000	2000	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---



## OIL CONDITION

Visc @ 40°C	cSt	▲ 50.4	▲ 50.4	---	---
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## CONTAMINATION

Silicon	ppm	■ 4	■ 6	---	---
Sodium	ppm	■ 0	■ 1	---	---
Potassium	ppm	■ 2	■ <1	---	---



## WEAR METALS

Iron	ppm	■ 297	■ 464	---	---
Copper	ppm	■ 4	■ 4	---	---
Lead	ppm	■ <1	■ 0	---	---
Tin	ppm	■ 0	■ 0	---	---
Aluminum	ppm	■ <1	■ 2	---	---
Chromium	ppm	■ 3	■ 6	---	---
Molybdenum	ppm	■ 4	■ 6	---	---
Nickel	ppm	■ 2	■ 3	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	■ 11	■ 16	---	---
Vanadium	ppm	0	<1	---	---



## ADDITIVES

Calcium	ppm	■ 71	■ 85	---	---
Magnesium	ppm	■ 4	■ 3	---	---
Zinc	ppm	■ 64	■ 65	---	---
Phosphorus	ppm	2284	2318	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 114	■ 169	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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. Confirm oil type. The condition of the oil is suitable for further service.

**Depot:** VOLVO0093  
**Unique No:** 10589835  
**Signed:** Sean Felton  
**Report Date:** 08 Aug 2023



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## GRAPHS

