



# CONSTRUCTION EQUIPMENT

## 567435 APTIM VOLVO A35G 340070 - REAR AXLE



**Sample No:** VCP417308  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 567435 APTIM



### SAMPLE INFORMATION

Sample Number	<b>VCP417308</b>	VCP411063	VCP386155	---
Sample Date	<b>26 Jun 2023</b>	19 Apr 2023	08 Nov 2022	---
Machine Hours	<b>8469</b>	7985	6869	---
Oil Hours	<b>4000</b>	2000	2000	---
Oil Changed	<b>Changed</b>	Not Chngd	Changed	---
Sample Status	<b>ATTENTION</b>	ATTENTION	ATTENTION	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 61.2</b>	▲ 61.0	▲ 61.6	---
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### CONTAMINATION

Silicon	ppm	<b>■ 25</b>	■ 25	■ 27	---
Sodium	ppm	<b>■ 4</b>	■ 2	■ 4	---
Potassium	ppm	<b>■ 3</b>	■ 5	■ 2	---

### 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. Confirm oil type.



### WEAR METALS

Iron	ppm	<b>■ 328</b>	■ 326	■ 322	---
Copper	ppm	<b>■ 4</b>	■ 4	■ 5	---
Lead	ppm	<b>■ 0</b>	■ 0	■ 0	---
Tin	ppm	<b>■ 0</b>	■ 0	■ 0	---
Aluminum	ppm	<b>■ 11</b>	■ 8	■ 7	---
Chromium	ppm	<b>■ 4</b>	■ 4	■ 4	---
Molybdenum	ppm	<b>■ 11</b>	■ 10	■ 10	---
Nickel	ppm	<b>■ 1</b>	■ 2	■ 2	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>■ 20</b>	■ 19	■ 19	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>■ 111</b>	■ 61	■ 68	---
Magnesium	ppm	<b>■ &lt;1</b>	■ 5	■ <1	---
Zinc	ppm	<b>■ 57</b>	33	24	---
Phosphorus	ppm	<b>1464</b>	■ 1331	■ 1278	---
Barium	ppm	<b>■ 0</b>	■ 0	■ 0	---
Boron	ppm	<b>■ 184</b>	■ 167	■ 178	---

**Depot:** VOLVO0093  
**Unique No:** 10573584  
**Signed:** Don Baldrige  
**Report Date:** 27 Jul 2023



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## VOLVO GRAPHS

