



# CONSTRUCTION EQUIPMENT

659887 APTIM VOLVO A35G 340139 - BOGIE/CENTER AXLE



**Sample No:** VCP449100  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:** 659887 APTIM



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## SAMPLE INFORMATION

Sample Number	<b>VCP449100</b>	VCP424428	VCP396662	---
Sample Date	<b>11 Jan 2024</b>	23 May 2023	09 Feb 2023	---
Machine Hours	<b>12883</b>	11970	11400	---
Oil Hours	<b>1000</b>	4000	2000	---
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>263</b>	136	136	---
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## CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>4</b>	6	6	---
Sodium	ppm	<b>1</b>	<1	<1	---
Potassium	ppm	<b>1</b>	0	0	---



## WEAR METALS

Iron	ppm	<b>29</b>	126	133	---
Copper	ppm	<b>&lt;1</b>	2	2	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>2</b>	2	2	---
Chromium	ppm	<b>&lt;1</b>	2	2	---
Molybdenum	ppm	<b>23</b>	2	2	---
Nickel	ppm	<b>0</b>	<1	<1	---
Titanium	ppm	<b>&lt;1</b>	1	1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>&lt;1</b>	12	11	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>211</b>	11	9	---
Magnesium	ppm	<b>76</b>	0	0	---
Zinc	ppm	<b>149</b>	17	17	---
Phosphorus	ppm	<b>1464</b>	1130	977	---
Barium	ppm	<b>10</b>	0	0	---
Boron	ppm	<b>235</b>	182	191	---

## 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 condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0093  
**Unique No:** 1088625  
**Signed:** Sean Felton  
**Report Date:** 21 Feb 2024



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## GRAPHS

