



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 353251 - BOGIE/CENTER AXLE



**Sample No:** VCP455176  
**Oil Type:** VOLVO PREMIUM GEAR OIL 85W-140 GL-5  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP455176</b>	VCP421332	---	---
Sample Date	<b>04 May 2024</b>	20 Jul 2023	---	---
Machine Hours	<b>3988</b>	2242	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Not Chngd	---	---
Sample Status	<b>ATTENTION</b>	ATTENTION	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>51.1</b>	51.9	---	---
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### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	<b>4</b>	2	---	---
Sodium	ppm	<b>&lt;1</b>	2	---	---
Potassium	ppm	<b>3</b>	3	---	---



### WEAR METALS

Iron	ppm	<b>140</b>	123	---	---
Copper	ppm	<b>2</b>	<1	---	---
Lead	ppm	<b>&lt;1</b>	0	---	---
Tin	ppm	<b>&lt;1</b>	0	---	---
Aluminum	ppm	<b>2</b>	0	---	---
Chromium	ppm	<b>2</b>	1	---	---
Molybdenum	ppm	<b>5</b>	4	---	---
Nickel	ppm	<b>1</b>	<1	---	---
Titanium	ppm	<b>&lt;1</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>6</b>	5	---	---
Vanadium	ppm	<b>0</b>	<1	---	---



### ADDITIVES

Calcium	ppm	<b>95</b>	79	---	---
Magnesium	ppm	<b>1</b>	0	---	---
Zinc	ppm	<b>39</b>	17	---	---
Phosphorus	ppm	<b>2345</b>	2439	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>221</b>	309	---	---

### Diagnosis

The oil change at the time of sampling has been noted. 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.

**Depot:** VOLVO0090  
**Unique No:** 11017756  
**Signed:** Don Baldrige  
**Report Date:** 09 May 2024



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## GRAPHS

