



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352022 - BOGIE/CENTER AXLE



**Sample No:** VCP399579  
**Oil Type:** VOLVO WET BRAKE TRANSAXLE OIL  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP399579</b>	VCP338624	VCP306947	---
Sample Date	<b>18 Sep 2023</b>	04 Mar 2022	01 May 2021	---
Machine Hours	<b>5727</b>	3839	2573	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.2</b>	42.1	49.4	---
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### CONTAMINATION

Silicon	ppm	<b>18</b>	14	6	---
Sodium	ppm	<b>5</b>	9	3	---
Potassium	ppm	<b>4</b>	<1	6	---



### WEAR METALS

Iron	ppm	<b>469</b>	316	406	---
Copper	ppm	<b>4</b>	1	3	---
Lead	ppm	<b>0</b>	<1	<1	---
Tin	ppm	<b>0</b>	<1	0	---
Aluminum	ppm	<b>2</b>	2	0	---
Chromium	ppm	<b>6</b>	5	6	---
Molybdenum	ppm	<b>2</b>	4	8	---
Nickel	ppm	<b>3</b>	1	1	---
Titanium	ppm	<b>&lt;1</b>	<1	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>6</b>	6	10	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>4333</b>	4198	173	---
Magnesium	ppm	<b>18</b>	26	<1	---
Zinc	ppm	<b>1724</b>	1551	64	---
Phosphorus	ppm	<b>1356</b>	1446	2422	---
Barium	ppm	<b>&lt;1</b>	0	0	---
Boron	ppm	<b>147</b>	155	232	---

### 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:** DUNBEL  
**Unique No:** 10702398  
**Signed:** Wes Davis  
**Report Date:** 23 Oct 2023



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## GRAPHS

