



# CONSTRUCTION EQUIPMENT

SW0063496 VOLVO A45G 352798 - FRONT AXLE



**Sample No:** VCP421008  
**Oil Type:** COWIN 80W90  
**Job No:** SWO063496



## SAMPLE INFORMATION

Sample Number	<b>VCP421008</b>	VCP373150	VCP346455	---
Sample Date	<b>27 Jun 2023</b>	01 Nov 2022	21 Jan 2022	---
Machine Hours	<b>3031</b>	2087	988	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Changed</b>	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	ATTENTION	---

## COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE  
 PENSACOLA, FL  
 US 32534

Contact: HUGH DOBBS  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>137</b>	129	▲ 49.8	---
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## CONTAMINATION

Silicon	ppm	<b>2</b>	3	4	---
Sodium	ppm	<b>0</b>	0	0	---
Potassium	ppm	<b>&lt;1</b>	2	5	---



## WEAR METALS

Iron	ppm	<b>51</b>	121	178	---
Copper	ppm	<b>&lt;1</b>	<1	11	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>&lt;1</b>	0	2	---
Chromium	ppm	<b>&lt;1</b>	2	3	---
Molybdenum	ppm	<b>4</b>	6	5	---
Nickel	ppm	<b>0</b>	0	<1	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>2</b>	6	12	---
Vanadium	ppm	<b>0</b>	0	0	---



## ADDITIVES

Calcium	ppm	<b>75</b>	55	114	---
Magnesium	ppm	<b>20</b>	19	<1	---
Zinc	ppm	<b>51</b>	43	42	---
Phosphorus	ppm	<b>987</b>	1054	2223	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>163</b>	180	243	---

## 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:** VOLVO8247  
**Unique No:** 10563001  
**Signed:** Wes Davis  
**Report Date:** 19 Jul 2023



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## GRAPHS

