



# CONSTRUCTION EQUIPMENT

## 70967 COUCH VOLVO A45G 352798 - FRONT AXLE



**Sample No:** VCP445504  
**Oil Type:** VOLVO  
**Job No:** 70967 COUCH



### SAMPLE INFORMATION

Sample Number	<b>VCP445504</b>	VCP421008	VCP373150	VCP346455
Sample Date	<b>04 Apr 2024</b>	27 Jun 2023	01 Nov 2022	21 Jan 2022
Machine Hours	<b>3950</b>	3031	2087	988
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	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>153</b>	137	129	49.8
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>7</b>	2	3	4
Sodium	ppm	<b>2</b>	0	0	0
Potassium	ppm	<b>2</b>	<1	2	5



### WEAR METALS

Iron	ppm	<b>52</b>	51	121	178
Copper	ppm	<b>1</b>	<1	<1	11
Lead	ppm	<b>&lt;1</b>	0	0	0
Tin	ppm	<b>1</b>	0	0	0
Aluminum	ppm	<b>2</b>	<1	0	2
Chromium	ppm	<b>1</b>	<1	2	3
Molybdenum	ppm	<b>9</b>	4	6	5
Nickel	ppm	<b>&lt;1</b>	0	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>2</b>	2	6	12
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>97</b>	75	55	114
Magnesium	ppm	<b>36</b>	20	19	<1
Zinc	ppm	<b>85</b>	51	43	42
Phosphorus	ppm	<b>1615</b>	987	1054	2223
Barium	ppm	<b>&lt;1</b>	0	0	0
Boron	ppm	<b>280</b>	163	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:** 10968176  
**Signed:** Wes Davis  
**Report Date:** 10 Apr 2024



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## GRAPHS

