



# CONSTRUCTION EQUIPMENT

70967 COUCH VOLVO A45G 352798 - DROP BOX



**Sample No:** VCP445501  
**Oil Type:** VOLVO  
**Job No:** 70967 COUCH



## SAMPLE INFORMATION

Sample Number	<b>VCP445501</b>	VCP421504	VCP353992	VCP346456
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>ABNORMAL</b>	NORMAL	NORMAL	ATTENTION

### COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE  
 PENSACOLA, FL  
 US 32534

Contact: HUGH DOBBS  
 HDOBBS@COWIN.COM  
 T: (850)479-3004  
 F: (850)474-1602



## OIL CONDITION

Visc @ 40°C cSt ● **45.6** ■ 138 ■ 128 ● 50.4



## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<span style="color: green;">■</span> <b>39</b>	<span style="color: green;">■</span> 1	<span style="color: green;">■</span> 3	<span style="color: green;">■</span> 4
Sodium	ppm	<span style="color: green;">■</span> <b>6</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0
Potassium	ppm	<span style="color: green;">■</span> <b>6</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 2	<span style="color: green;">■</span> 5



## WEAR METALS

Iron	ppm	<span style="color: orange;">▲</span> <b>814</b>	<span style="color: green;">■</span> 46	<span style="color: green;">■</span> 123	<span style="color: green;">■</span> 191
Copper	ppm	<span style="color: green;">■</span> <b>23</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 11
Lead	ppm	<span style="color: green;">■</span> <b>1</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> <1
Tin	ppm	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0
Aluminum	ppm	<span style="color: green;">■</span> <b>2</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 2
Chromium	ppm	<span style="color: green;">■</span> <b>5</b>	<span style="color: green;">■</span> <1	<span style="color: green;">■</span> 2	<span style="color: green;">■</span> 3
Molybdenum	ppm	<b>8</b>	4	6	5
Nickel	ppm	<span style="color: green;">■</span> <b>4</b>	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> 0	<span style="color: green;">■</span> <1
Titanium	ppm	<1	0	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>17</b>	2	6	13
Vanadium	ppm	<1	0	0	<1



## ADDITIVES

Calcium	ppm	<b>36</b>	54	57	114
Magnesium	ppm	<b>5</b>	21	19	<1
Zinc	ppm	<b>143</b>	35	44	43
Phosphorus	ppm	<b>2114</b>	984	1070	2368
Barium	ppm	<1	0	0	0
Boron	ppm	<b>55</b>	163	185	250

## Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

**Depot:** VOLVO8247  
**Unique No:** 10968175  
**Signed:** Jonathan Hester  
**Report Date:** 12 Apr 2024



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## GRAPHS

