



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352841 - WET DISC BRAKE



**Sample No:** VCP422571  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP422571</b>	VCP390103	---	---
Sample Date	<b>22 Nov 2023</b>	28 Jan 2023	---	---
Machine Hours	<b>3353</b>	2059	---	---
Oil Hours	<b>0</b>	2059	---	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	---	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	---	---

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>40.6</b>	40.3	---	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	---	---
Silicon	ppm	<b>21</b>	20	---	---
Sodium	ppm	<b>10</b>	9	---	---
Potassium	ppm	<b>0</b>	2	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. An increase in the iron level is noted. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>29</b>	23	---	---
Copper	ppm	<b>228</b>	172	---	---
Lead	ppm	<b>4</b>	0	---	---
Tin	ppm	<b>&lt;1</b>	0	---	---
Aluminum	ppm	<b>&lt;1</b>	<1	---	---
Chromium	ppm	<b>&lt;1</b>	<1	---	---
Molybdenum	ppm	<b>&lt;1</b>	<1	---	---
Nickel	ppm	<b>6</b>	5	---	---
Titanium	ppm	<b>&lt;1</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>2</b>	2	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>3420</b>	3563	---	---
Magnesium	ppm	<b>0</b>	12	---	---
Zinc	ppm	<b>1508</b>	1531	---	---
Phosphorus	ppm	<b>1270</b>	1234	---	---
Barium	ppm	<b>0</b>	1	---	---
Boron	ppm	<b>101</b>	109	---	---

**Depot:** VOLVO0090  
**Unique No:** 10764298  
**Signed:** Angela Borella  
**Report Date:** 01 Dec 2023

**VOLVO** **GRAPHS**

