



# CONSTRUCTION EQUIPMENT

## 607997 MOSAIC VOLVO A45G 342286 - BRAKE COOLING SYSTEM



**Sample No:** VCP416195  
**Oil Type:** VOLVO WB 102  
**Job No:** 607997 MOSAIC



### SAMPLE INFORMATION

Sample Number	<b>VCP416195</b>	VCP409329	VCP377753	---
Sample Date	<b>29 Sep 2023</b>	15 Feb 2023	10 Jun 2022	---
Machine Hours	<b>7665</b>	6453	5089	---
Oil Hours	<b>3665</b>	2000	1000	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>40.4</b>	40.4	43.6	---
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### CONTAMINATION

Silicon	ppm	<b>20</b>	18	21	---
Sodium	ppm	<b>&lt;1</b>	4	6	---
Potassium	ppm	<b>2</b>	0	0	---



### WEAR METALS

Iron	ppm	<b>42</b>	43	49	---
Copper	ppm	<b>372</b>	334	338	---
Lead	ppm	<b>&lt;1</b>	<1	<1	---
Tin	ppm	<b>0</b>	<1	<1	---
Aluminum	ppm	<b>2</b>	<1	1	---
Chromium	ppm	<b>&lt;1</b>	<1	1	---
Molybdenum	ppm	<b>&lt;1</b>	0	0	---
Nickel	ppm	<b>9</b>	9	8	---
Titanium	ppm	<b>&lt;1</b>	0	0	---
Silver	ppm	<b>0</b>	<1	<1	---
Manganese	ppm	<b>1</b>	2	2	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>2891</b>	2954	3214	---
Magnesium	ppm	<b>6</b>	8	8	---
Zinc	ppm	<b>1264</b>	1215	1267	---
Phosphorus	ppm	<b>1297</b>	1140	1205	---
Barium	ppm	<b>9</b>	0	0	---
Boron	ppm	<b>88</b>	93	103	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO0093  
**Unique No:** 10709589  
**Signed:** Sean Felton  
**Report Date:** 25 Oct 2023



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## VOLVO GRAPHS

