



# CONSTRUCTION EQUIPMENT

## W14719 VOLVO A40G 352936 - WET DISC BRAKE



**Sample No:** VCP433549  
**Oil Type:** VOLVO WB 102  
**Job No:** W14719



### SAMPLE INFORMATION

Sample Number	VCP433549	VCP397934	---	---
Sample Date	21 Sep 2023	29 Dec 2022	---	---
Machine Hours	1954	963	---	---
Oil Hours	2000	500	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	█ 40.4	█ 40.5	---	---
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### CONTAMINATION

Silicon	ppm	█ 19	█ 20	---	---
Sodium	ppm	█ 8	█ 10	---	---
Potassium	ppm	█ 2	█ 0	---	---

### 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 oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	█ 18	█ 54	---	---
Copper	ppm	▲ 133	█ 50	---	---
Lead	ppm	█ <1	█ 1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ 2	█ 2	---	---
Chromium	ppm	█ <1	█ 1	---	---
Molybdenum	ppm	█ <1	█ <1	---	---
Nickel	ppm	█ 4	█ 4	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ <1	█ 1	---	---
Vanadium	ppm	0	0	---	---



### ADDITIVES

Calcium	ppm	█ 3496	█ 3859	---	---
Magnesium	ppm	█ 8	█ 13	---	---
Zinc	ppm	█ 1484	█ 1577	---	---
Phosphorus	ppm	█ 1238	█ 1243	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 126	█ 141	---	---

**Depot:** VOLVO0080  
**Unique No:** 10662671  
**Signed:** Doug Bogart  
**Report Date:** 27 Sep 2023



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## GRAPHS

