



# CONSTRUCTION EQUIPMENT

## VOLVO A25G 740250 - WET DISC BRAKE



**Sample No:** VCP434370  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP434370</b>	VCP412161	VCP344738	---
Sample Date	<b>08 Nov 2023</b>	28 Aug 2023	25 Oct 2021	---
Machine Hours	<b>5775</b>	5525	3871	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	---

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

Visc @ 40°C	cSt	<b>45.3</b>	46.7	49.9	---
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### CONTAMINATION

Silicon	ppm	<b>15</b>	21	17	---
Sodium	ppm	<b>4</b>	2	5	---
Potassium	ppm	<b>0</b>	1	<1	---



### WEAR METALS

Iron	ppm	<b>16</b>	21	19	---
Copper	ppm	<b>429</b>	487	533	---
Lead	ppm	<b>6</b>	<1	<1	---
Tin	ppm	<b>0</b>	0	<1	---
Aluminum	ppm	<b>0</b>	2	<1	---
Chromium	ppm	<b>0</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	<1	<1	---
Nickel	ppm	<b>&lt;1</b>	1	1	---
Titanium	ppm	<b>0</b>	0	<1	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>1</b>	2	2	---
Vanadium	ppm	<b>0</b>	0	<1	---



### ADDITIVES

Calcium	ppm	<b>3009</b>	3341	3164	---
Magnesium	ppm	<b>11</b>	11	8	---
Zinc	ppm	<b>1172</b>	1280	1216	---
Phosphorus	ppm	<b>1082</b>	1186	1028	---
Barium	ppm	<b>0</b>	2	0	---
Boron	ppm	<b>94</b>	128	97	---

**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.

**Depot:** VOLVO0090  
**Unique No:** 10740977  
**Signed:** Don Baldrige  
**Report Date:** 16 Nov 2023

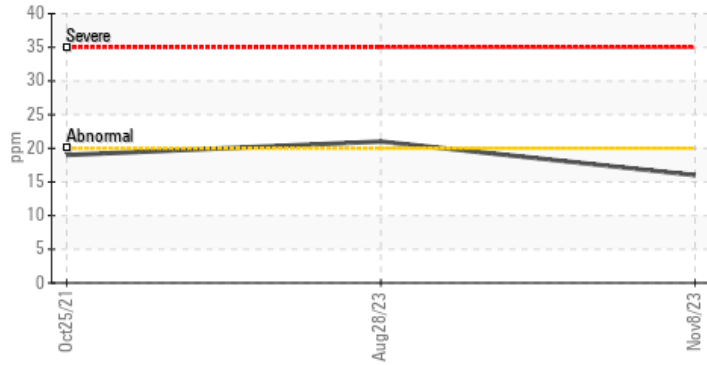


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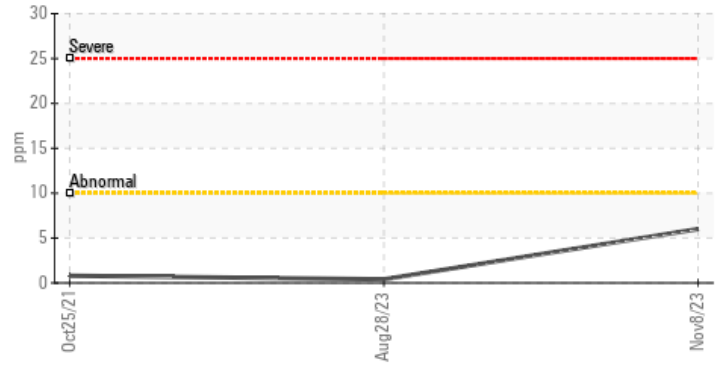


## GRAPHS

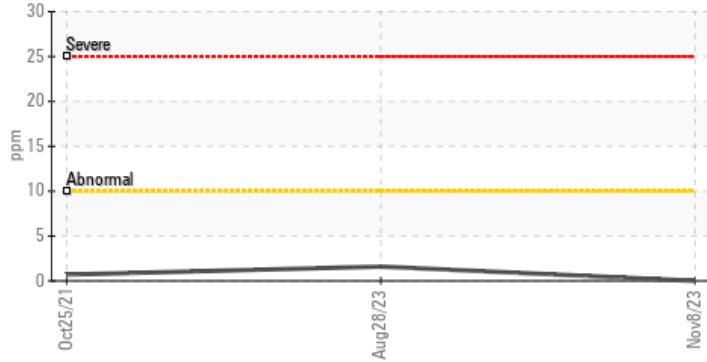
### Iron (ppm)



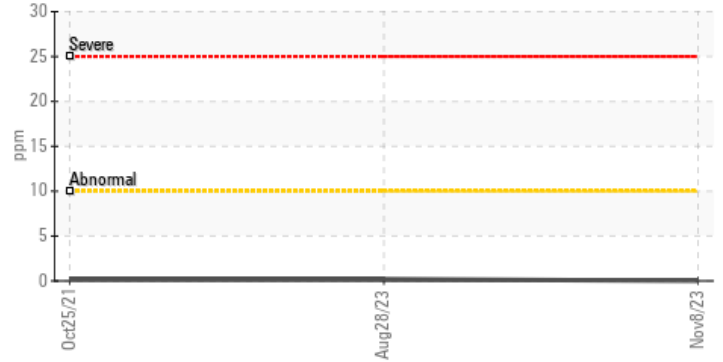
### Lead (ppm)



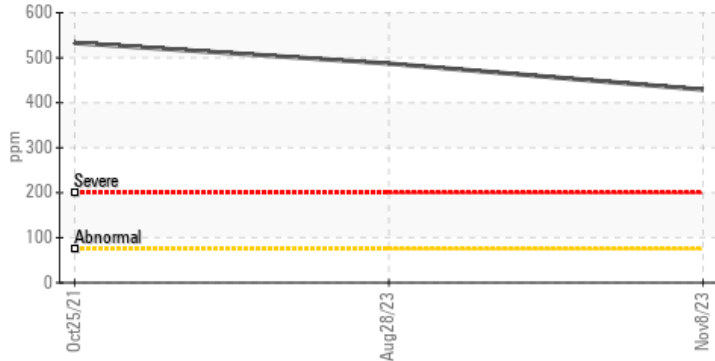
### Aluminum (ppm)



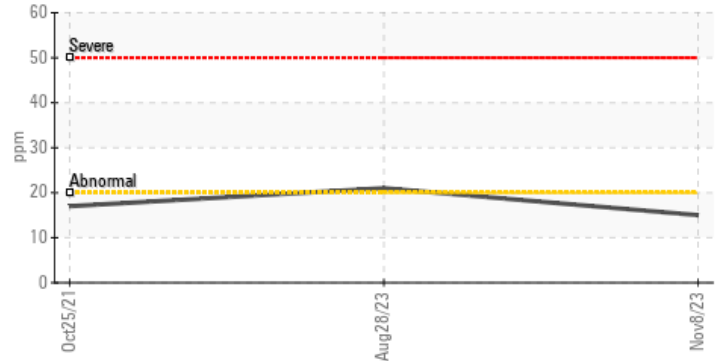
### Chromium (ppm)



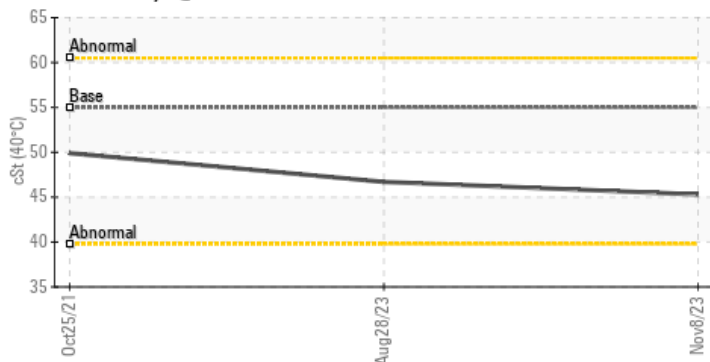
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

