



# CONSTRUCTION EQUIPMENT

## 378858 VOLVO A40G 341404 - BRAKE COOLING SYSTEM



**Sample No:** VCP433402  
**Oil Type:** TRANSAXLE OIL SAE 75W80  
**Job No:** 378858



### SAMPLE INFORMATION

Sample Number	<b>VCP433402</b>	VCP233983	VCP188112	---
Sample Date	<b>03 Oct 2023</b>	28 Jan 2019	09 Aug 2018	---
Machine Hours	<b>8091</b>	4180	4020	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	N/A	Changed	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	---

**ALTA EQUIPMENT COMPANY - METRO WEST**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.5</b>	40.34	40.64	---
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### CONTAMINATION

Silicon	ppm	<b>12</b>	13	12	---
Sodium	ppm	<b>3</b>	7	6	---
Potassium	ppm	<b>&lt;1</b>	0	2	---

### 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.



### WEAR METALS

Iron	ppm	<b>18</b>	18	14	---
Copper	ppm	<b>265</b>	231	319	---
Lead	ppm	<b>1</b>	1	<1	---
Tin	ppm	<b>&lt;1</b>	0	0	---
Aluminum	ppm	<b>1</b>	<1	0	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>0</b>	0	0	---
Nickel	ppm	<b>3</b>	3	3	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>1</b>	1	1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>3337</b>	3845	3484	---
Magnesium	ppm	<b>13</b>	8	7	---
Zinc	ppm	<b>1408</b>	1607	1438	---
Phosphorus	ppm	<b>1101</b>	1218	1057	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>96</b>	110	100	---

**Depot:** VOLVO2990  
**Unique No:** 10685284  
**Signed:** Don Baldrige  
**Report Date:** 11 Oct 2023

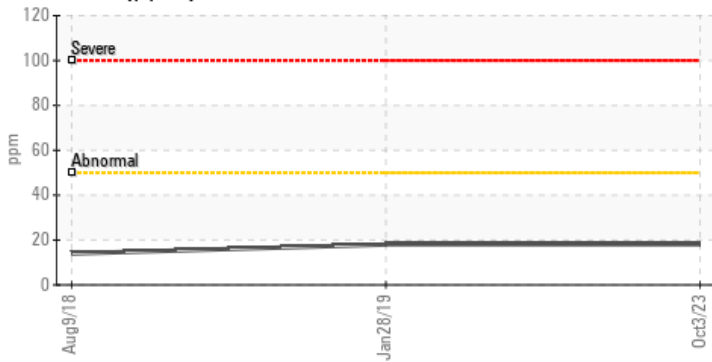


# CONSTRUCTION EQUIPMENT

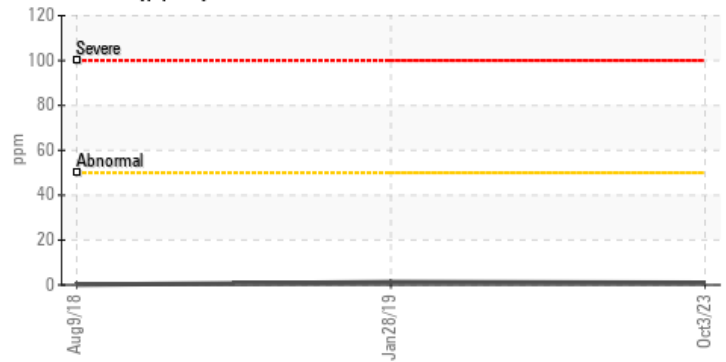


## GRAPHS

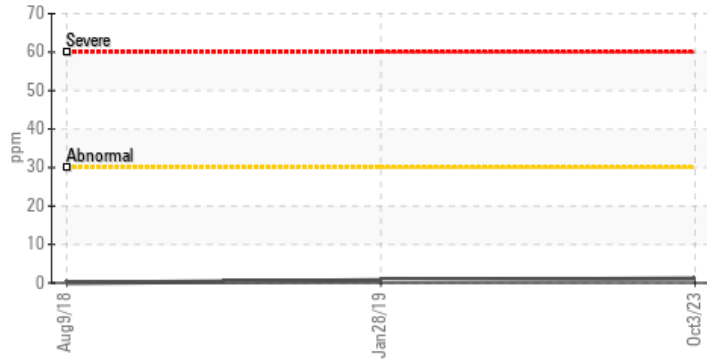
### Iron (ppm)



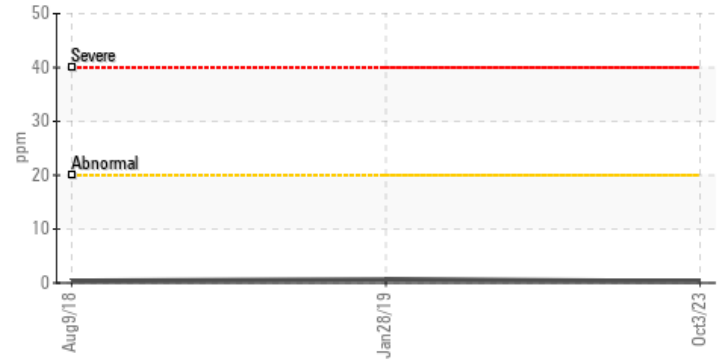
### Lead (ppm)



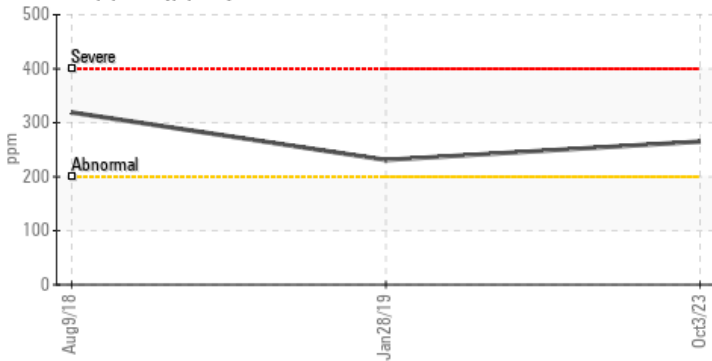
### Aluminum (ppm)



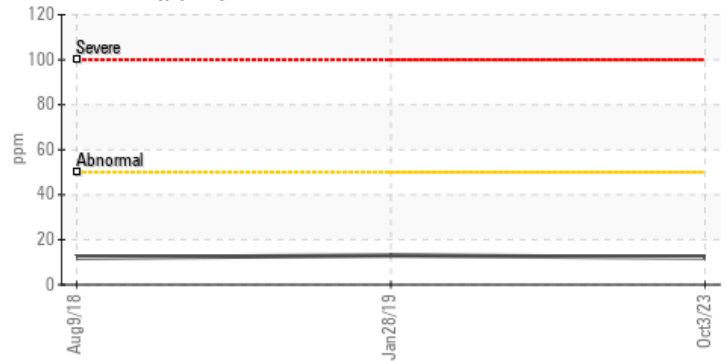
### Chromium (ppm)



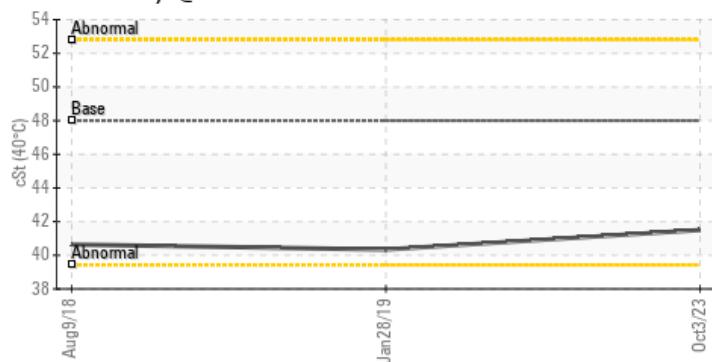
### ▲ Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

