



# CONSTRUCTION EQUIPMENT

## 633079 VOLVO A40G 341352 - BRAKE COOLING SYSTEM



**Sample No:** VCP426244  
**Oil Type:** VOLVO WB 102  
**Job No:** 633079



### SAMPLE INFORMATION

Sample Number	<b>VCP426244</b>	VCP406336	VCP313176	---
Sample Date	<b>08 Nov 2023</b>	01 Feb 2023	29 Apr 2021	---
Machine Hours	<b>8415</b>	7996	5966	---
Oil Hours	<b>4000</b>	0	800	---
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>42.1</b>	42.4	42.2	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>13</b>	14	6	---
Sodium	ppm	<b>6</b>	6	2	---
Potassium	ppm	<b>&lt;1</b>	0	<1	---

### Diagnosis

Resample at the next service interval to monitor. All 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	<b>15</b>	23	96	---
Copper	ppm	<b>199</b>	178	5	---
Lead	ppm	<b>4</b>	2	<1	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>2</b>	2	1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>1</b>	<1	4	---
Nickel	ppm	<b>2</b>	2	<1	---
Titanium	ppm	<b>0</b>	<1	<1	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>2</b>	2	1	---
Vanadium	ppm	<b>&lt;1</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>3286</b>	3556	644	---
Magnesium	ppm	<b>15</b>	15	28	---
Zinc	ppm	<b>1390</b>	1489	272	---
Phosphorus	ppm	<b>1140</b>	1163	886	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>108</b>	119	130	---

**Depot:** VOLVO0093  
**Unique No:** 10765281  
**Signed:** Don Baldrige  
**Report Date:** 03 Dec 2023

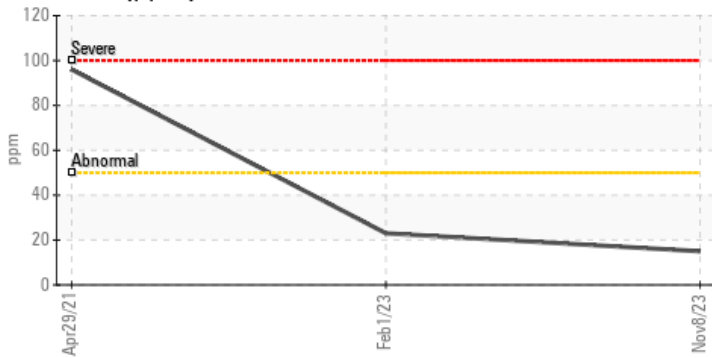


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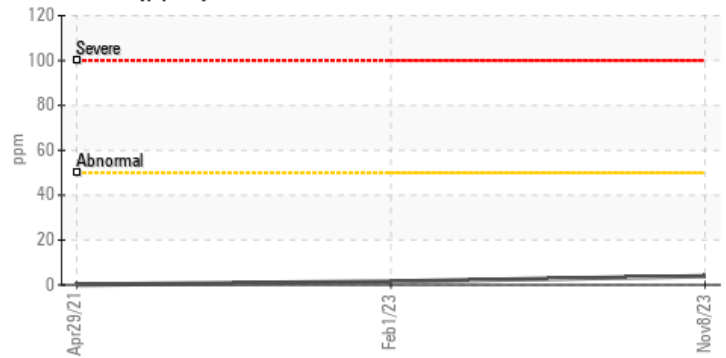


## GRAPHS

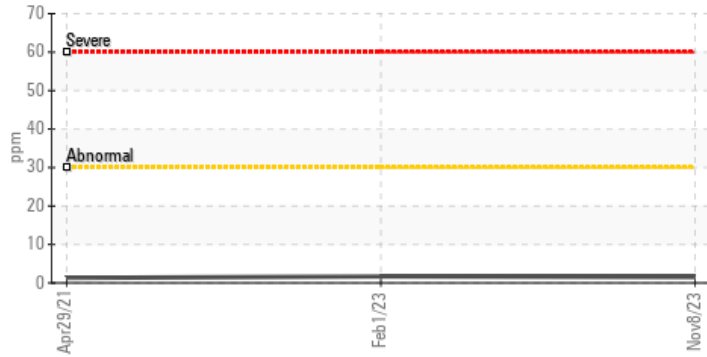
### Iron (ppm)



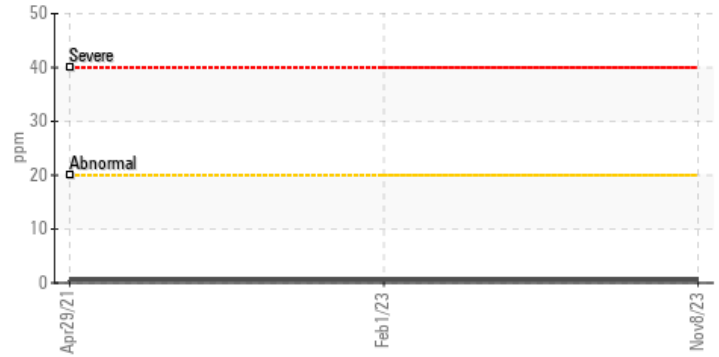
### Lead (ppm)



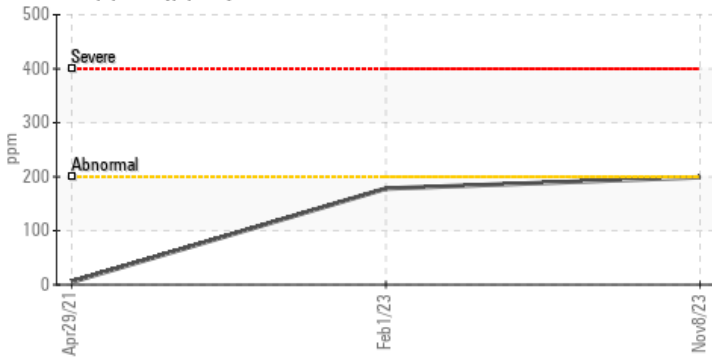
### Aluminum (ppm)



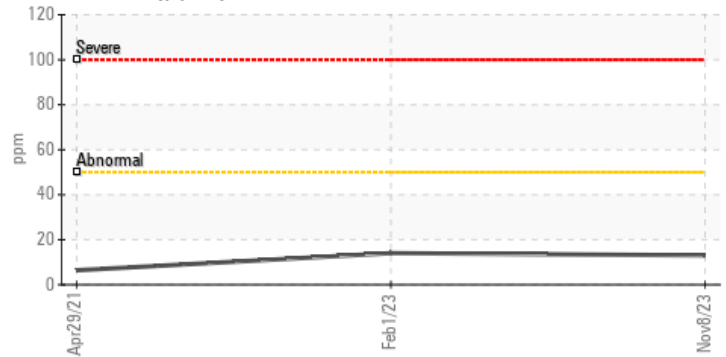
### Chromium (ppm)



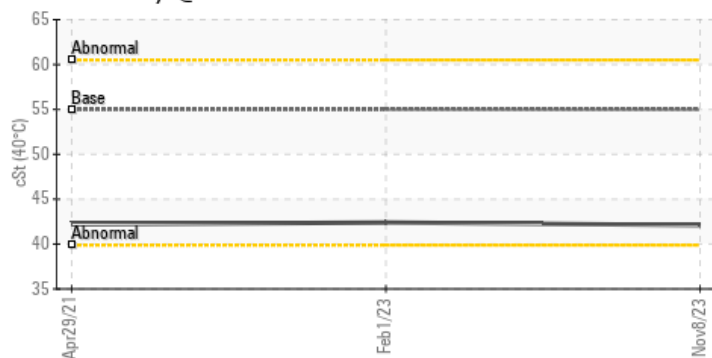
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

