



# CONSTRUCTION EQUIPMENT

## 621714 TUCKER VOLVO A25G 752447 - BRAKE COOLING SYSTEM



**Sample No:** VCP413163  
**Oil Type:** VOLVO WB 102  
**Job No:** 621714 TUCKER



### SAMPLE INFORMATION

Sample Number	<b>VCP413163</b>	VCP383058	---	---
Sample Date	<b>31 Oct 2023</b>	23 Feb 2023	---	---
Machine Hours	<b>2238</b>	1077	---	---
Oil Hours	<b>2238</b>	1000	---	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	---	---
Sample Status	<b>NORMAL</b>	ABNORMAL	---	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.5</b>	45.0	---	---
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### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	<b>14</b>	15	---	---
Sodium	ppm	<b>5</b>	4	---	---
Potassium	ppm	<b>4</b>	4	---	---



### WEAR METALS

Iron	ppm	<b>0</b>	4	---	---
Copper	ppm	<b>185</b>	▲ 127	---	---
Lead	ppm	<b>3</b>	0	---	---
Tin	ppm	<b>&lt;1</b>	<1	---	---
Aluminum	ppm	<b>&lt;1</b>	<1	---	---
Chromium	ppm	<b>0</b>	<1	---	---
Molybdenum	ppm	<b>&lt;1</b>	<1	---	---
Nickel	ppm	<b>&lt;1</b>	0	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>&lt;1</b>	<1	---	---
Vanadium	ppm	<b>&lt;1</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>3377</b>	3562	---	---
Magnesium	ppm	<b>5</b>	6	---	---
Zinc	ppm	<b>1324</b>	1324	---	---
Phosphorus	ppm	<b>1097</b>	1091	---	---
Barium	ppm	<b>2</b>	2	---	---
Boron	ppm	<b>118</b>	114	---	---

### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. 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:** 10765267  
**Signed:** Don Baldrige  
**Report Date:** 03 Dec 2023

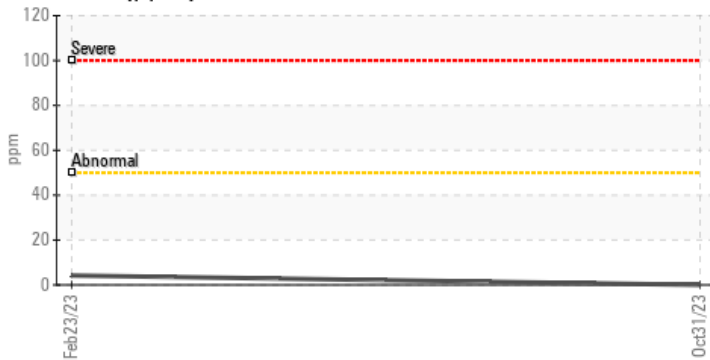


# CONSTRUCTION EQUIPMENT



## GRAPHS

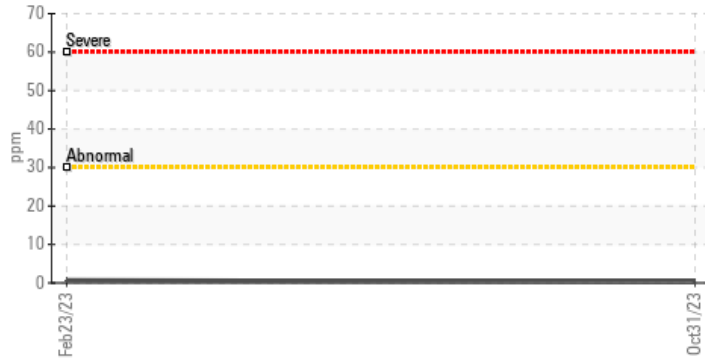
### Iron (ppm)



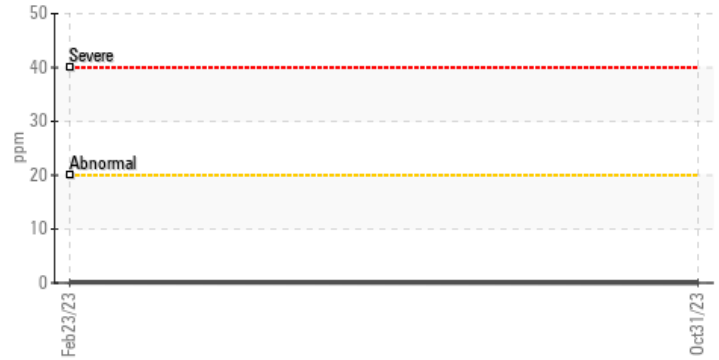
### Lead (ppm)



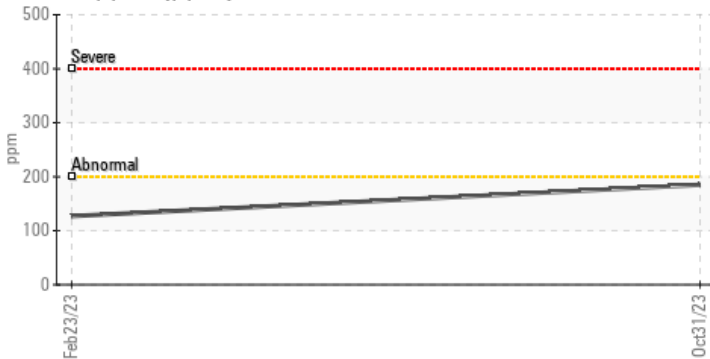
### Aluminum (ppm)



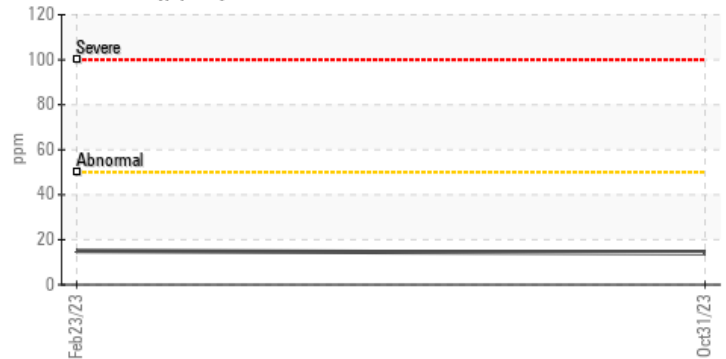
### Chromium (ppm)



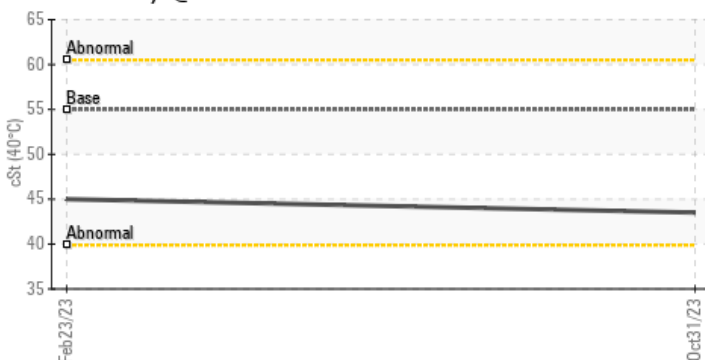
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

