



# CONSTRUCTION EQUIPMENT

## 286697 PASCO EXC VOLVO A30G 742628 - BRAKE COOLING SYSTEM



**Sample No:** VCP415594  
**Oil Type:** VOLVO WB 102  
**Job No:** 286697 PASCO EXC



### SAMPLE INFORMATION

Sample Number	<b>VCP415594</b>	VCP390700	VCP351660	---
Sample Date	<b>21 Jun 2023</b>	11 Oct 2022	04 Mar 2022	---
Machine Hours	<b>5336</b>	8403	3322	---
Oil Hours	<b>1000</b>	4500	3322	---
Oil Changed	<b>Not Changd</b>	Changed	Not Changd	---
Sample Status	<b>NORMAL</b>	ABNORMAL	ABNORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>41.8</b>	40.0	39.8	---
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### CONTAMINATION

Water	%	---	---	▲ 0.564	---
Silicon	ppm	<b>14</b>	13	13	---
Sodium	ppm	<b>0</b>	4	5	---
Potassium	ppm	<b>2</b>	0	0	---

### Diagnosis

Resample at the next service interval to monitor. All 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>6</b>	13	11	---
Copper	ppm	<b>132</b>	▲ 378	▲ 333	---
Lead	ppm	<b>&lt;1</b>	4	4	---
Tin	ppm	<b>0</b>	<1	0	---
Aluminum	ppm	<b>&lt;1</b>	<1	<1	---
Chromium	ppm	<b>0</b>	<1	0	---
Molybdenum	ppm	<b>2</b>	2	2	---
Nickel	ppm	<b>&lt;1</b>	1	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	9	---
Manganese	ppm	<b>&lt;1</b>	2	2	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>3654</b>	3449	3690	---
Magnesium	ppm	<b>8</b>	6	6	---
Zinc	ppm	<b>1520</b>	1436	1420	---
Phosphorus	ppm	<b>1311</b>	1184	1227	---
Barium	ppm	<b>2</b>	0	0	---
Boron	ppm	<b>89</b>	110	121	---

**Depot:** VOLVO0093  
**Unique No:** 10566014  
**Signed:** Don Baldrige  
**Report Date:** 25 Jul 2023

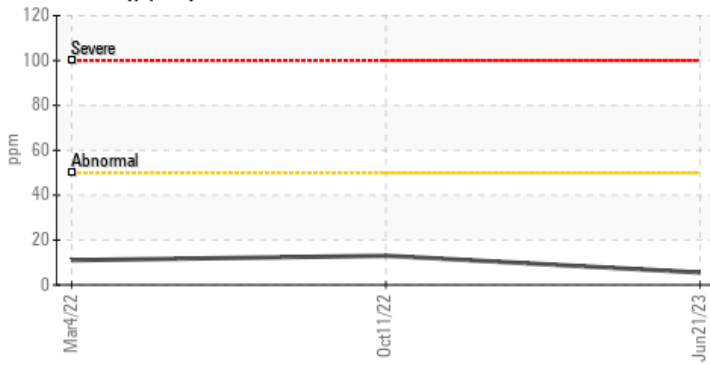


# CONSTRUCTION EQUIPMENT

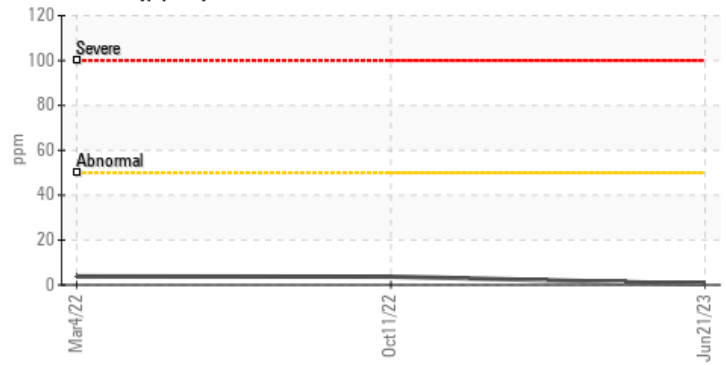


## GRAPHS

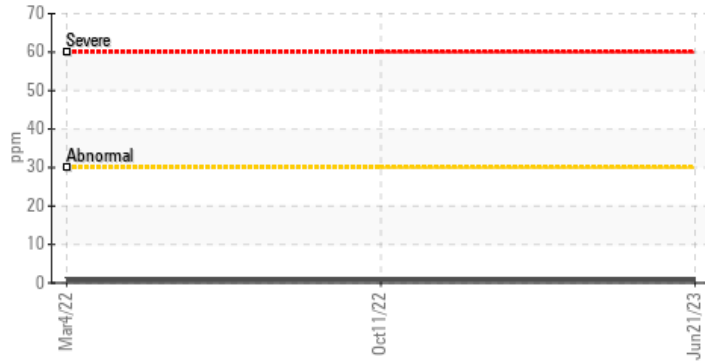
### Iron (ppm)



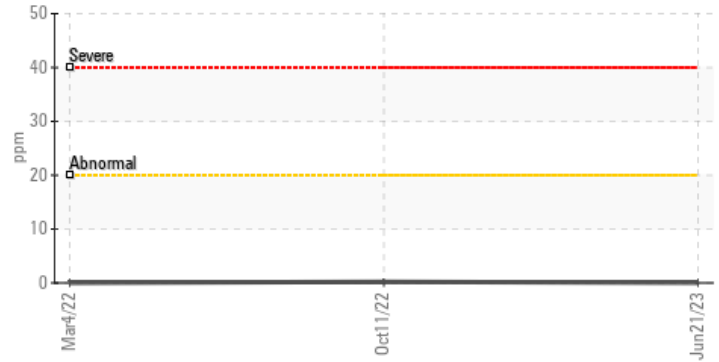
### Lead (ppm)



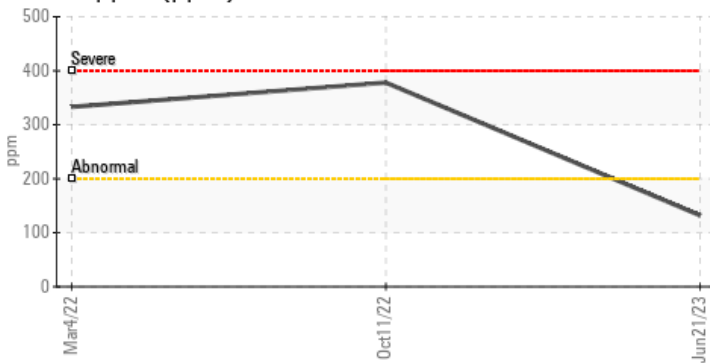
### Aluminum (ppm)



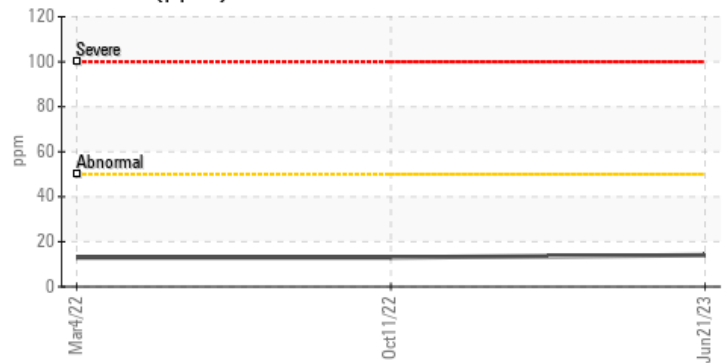
### Chromium (ppm)



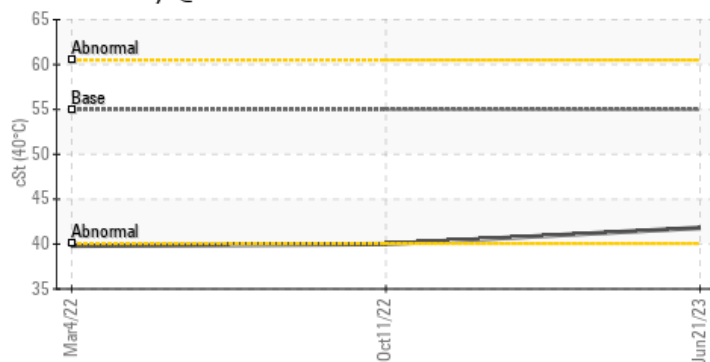
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

