



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342540 - BRAKE COOLING SYSTEM



**Sample No:** VCP0007586  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0007586</b>	VCP301578	VCP272511	---
Sample Date	<b>06 Jul 2023</b>	12 Feb 2021	08 Apr 2020	---
Machine Hours	<b>0</b>	3069	2084	---
Oil Hours	<b>0</b>	3069	0	---
Oil Changed	<b>N/A</b>	Not Changd	Changed	---
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	---

**QGS - QUALITY GRASSES SERV/TCF LEASING**  
 17502 CR 672  
 LITHIA, FL  
 US 33547  
 Contact: GARY ROGERS  
 grogers@qgsdevelopment.com  
 T: (813)323-4119  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.4</b>	40.8	39.4	---
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### CONTAMINATION

Silicon	ppm	<b>15</b>	20	21	---
Sodium	ppm	<b>1</b>	10	9	---
Potassium	ppm	<b>2</b>	0	4	---

### 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>14</b>	14	11	---
Copper	ppm	<b>127</b>	257	179	---
Lead	ppm	<b>&lt;1</b>	<1	0	---
Tin	ppm	<b>0</b>	<1	0	---
Aluminum	ppm	<b>&lt;1</b>	<1	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>1</b>	<1	0	---
Nickel	ppm	<b>3</b>	7	6	---
Titanium	ppm	<b>&lt;1</b>	<1	<1	---
Silver	ppm	<b>&lt;1</b>	<1	0	---
Manganese	ppm	<b>&lt;1</b>	1	1	---
Vanadium	ppm	<b>0</b>	0	<1	---



### ADDITIVES

Calcium	ppm	<b>4032</b>	3771	4045	---
Magnesium	ppm	<b>14</b>	8	8	---
Zinc	ppm	<b>1606</b>	1512	1566	---
Phosphorus	ppm	<b>1296</b>	1324	1272	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>151</b>	109	95	---

**Depot:** QUALITFL  
**Unique No:** 10549873  
**Signed:** Doug Bogart  
**Report Date:** 17 Jul 2023

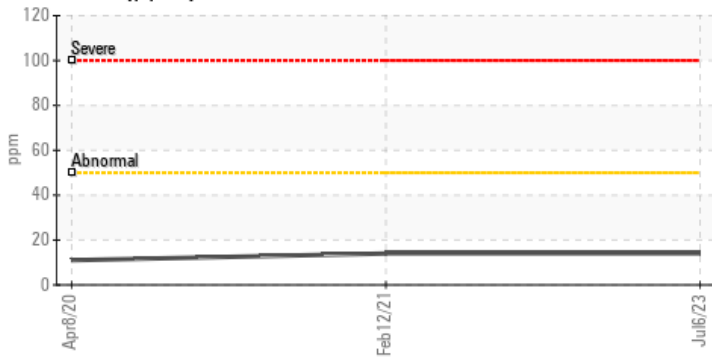


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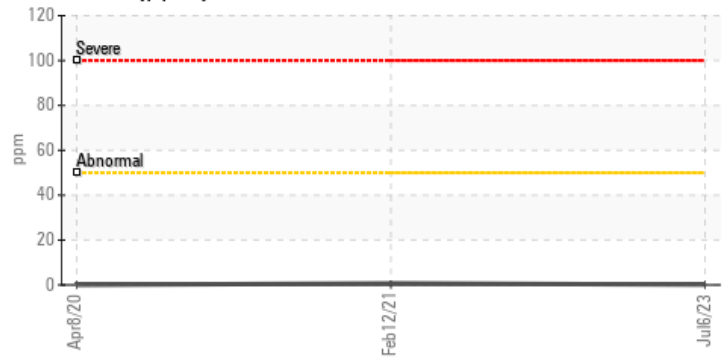


## GRAPHS

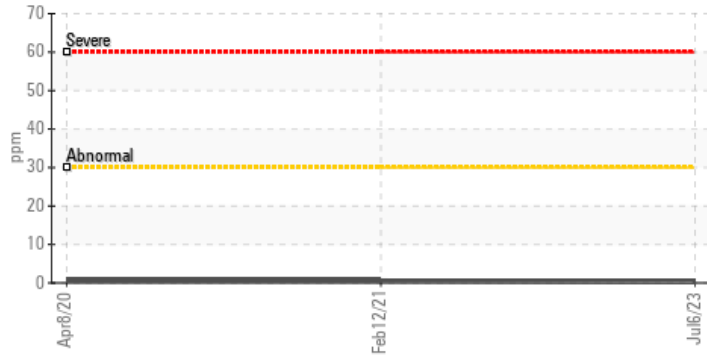
### Iron (ppm)



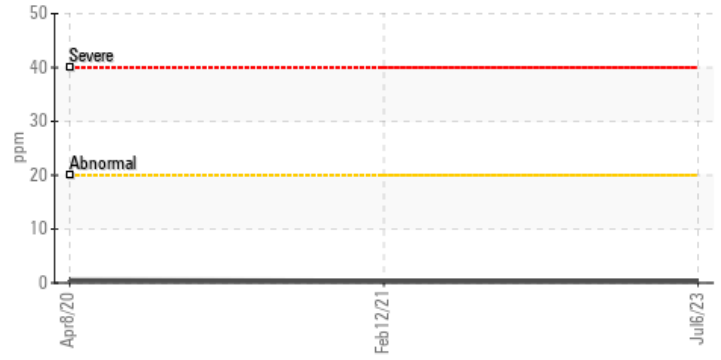
### Lead (ppm)



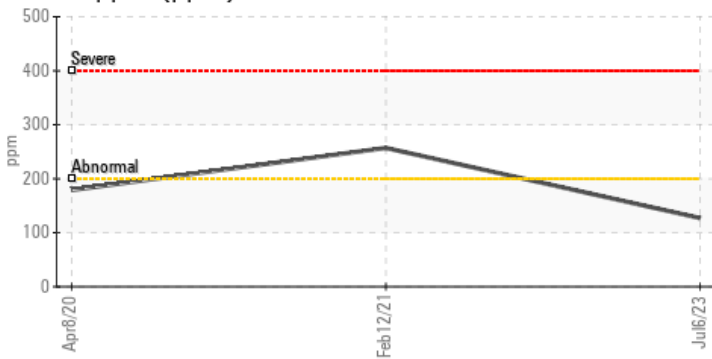
### Aluminum (ppm)



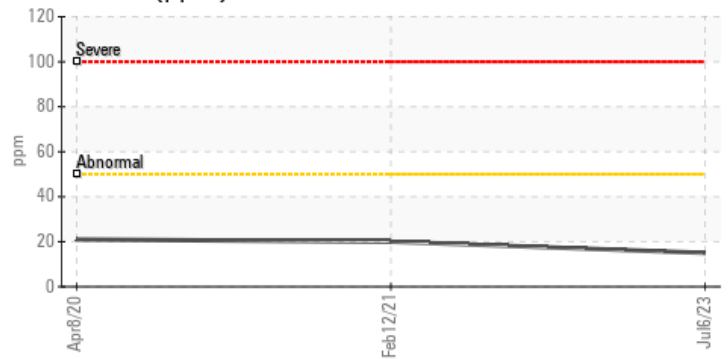
### Chromium (ppm)



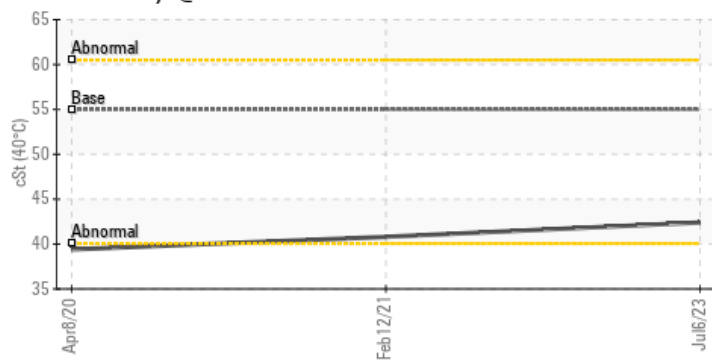
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

