



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 342523 - BRAKE COOLING SYSTEM



**Sample No:** VCP0008003  
**Oil Type:** VOLVO WB 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP0008003</b>	VCP0007987	VCP295628	---
Sample Date	<b>02 Aug 2023</b>	06 Jul 2023	22 Dec 2020	---
Machine Hours	<b>0</b>	0	3197	---
Oil Hours	<b>0</b>	0	3197	---
Oil Changed	<b>N/A</b>	N/A	Not Changd	---
Sample Status	<b>NORMAL</b>	NORMAL	ABNORMAL	---

**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>43.3</b>	45.1	38.7	---
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### CONTAMINATION

Silicon	ppm	<b>13</b>	13	19	---
Sodium	ppm	<b>&lt;1</b>	0	11	---
Potassium	ppm	<b>&lt;1</b>	2	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 oil. The condition of the oil is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>12</b>	15	14	---
Copper	ppm	<b>72</b>	123	382	---
Lead	ppm	<b>0</b>	<1	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>3</b>	<1	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>&lt;1</b>	<1	0	---
Nickel	ppm	<b>1</b>	2	7	---
Titanium	ppm	<b>0</b>	<1	0	---
Silver	ppm	<b>0</b>	<1	0	---
Manganese	ppm	<b>&lt;1</b>	<1	1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>3745</b>	3995	3546	---
Magnesium	ppm	<b>15</b>	16	6	---
Zinc	ppm	<b>1522</b>	1531	1400	---
Phosphorus	ppm	<b>1250</b>	1274	1227	---
Barium	ppm	<b>0</b>	0	0	---
Boron	ppm	<b>166</b>	153	113	---

**Depot:** QUALITFL  
**Unique No:** 10588329  
**Signed:** Jonathan Hester  
**Report Date:** 07 Aug 2023

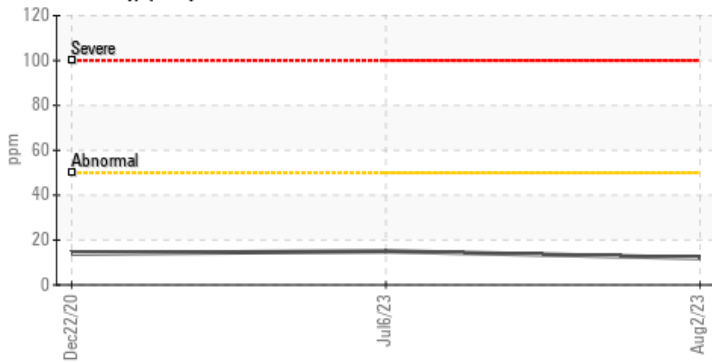


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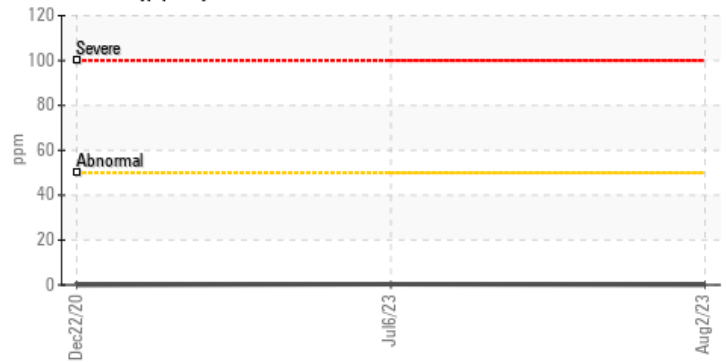


## GRAPHS

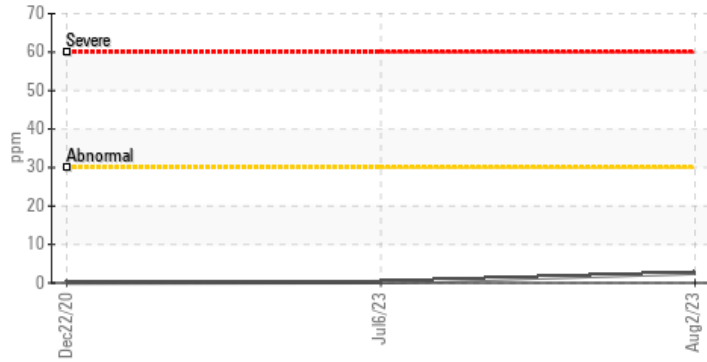
### Iron (ppm)



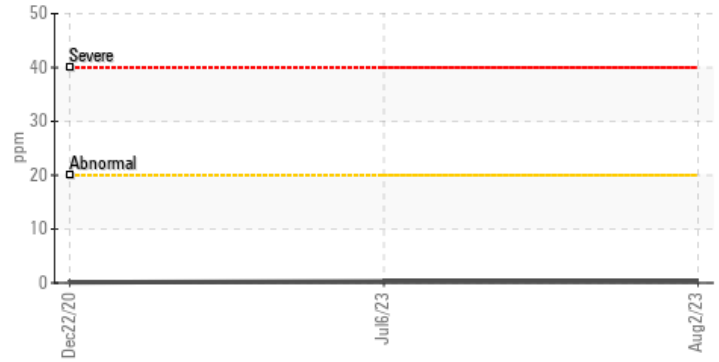
### Lead (ppm)



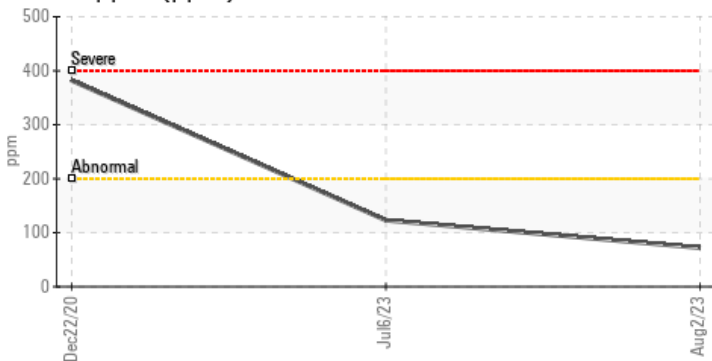
### Aluminum (ppm)



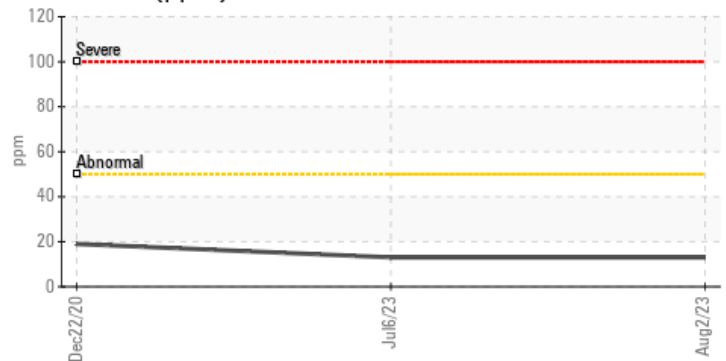
### Chromium (ppm)



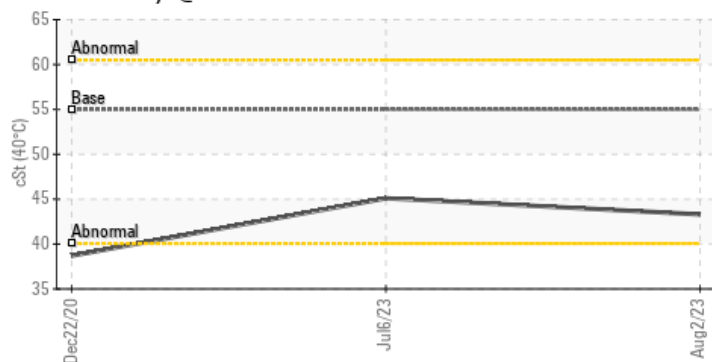
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

