



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352071 - BRAKE



**Sample No:** VCP454695

**Oil Type:** {unknown}

**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP454695</b>	VCP435587	VCP427482	VCP413180
Sample Date	<b>06 May 2024</b>	29 Jan 2024	09 Oct 2023	12 Jul 2023
Machine Hours	<b>8023</b>	7545	7028	6523
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**SAIIA CONSTRUCTION LLC**

4400 LEWISBURG RD  
BIRMINGHAM, AL  
US 35207

Contact: STEPHANI BRITTON  
sbritton@saiia.com;doug.bogart@wearcheck.com  
T: (205)943-2268  
F: (205)943-2269



### OIL CONDITION

Visc @ 40°C	cSt	<b>43.8</b>	45.9	44.9	43.9
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>14</b>	13	14	16
Sodium	ppm	<b>5</b>	0	<1	4
Potassium	ppm	<b>2</b>	2	3	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>23</b>	19	21	22
Copper	ppm	<b>106</b>	112	111	125
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>&lt;1</b>	2	2	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>3</b>	3	3	4
Nickel	ppm	<b>5</b>	5	5	5
Titanium	ppm	<b>0</b>	<1	<1	0
Silver	ppm	<b>&lt;1</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>2614</b>	2397	2442	3396
Magnesium	ppm	<b>151</b>	153	144	23
Zinc	ppm	<b>1334</b>	1310	1356	1504
Phosphorus	ppm	<b>1192</b>	1190	1249	1291
Barium	ppm	<b>0</b>	0	9	0
Boron	ppm	<b>83</b>	72	77	110

**Depot:** SAIBIR  
**Unique No:** 11036006  
**Signed:** Sean Felton  
**Report Date:** 22 May 2024

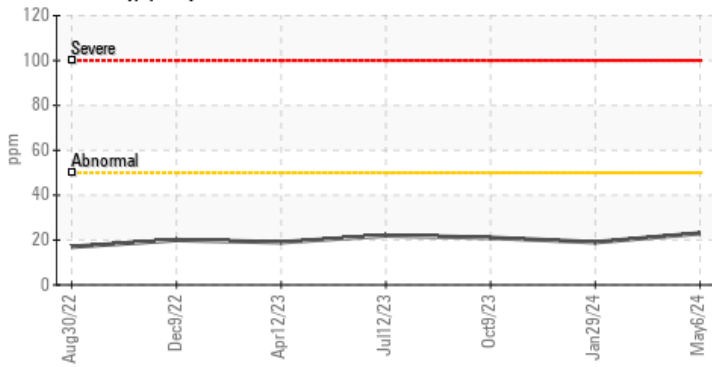


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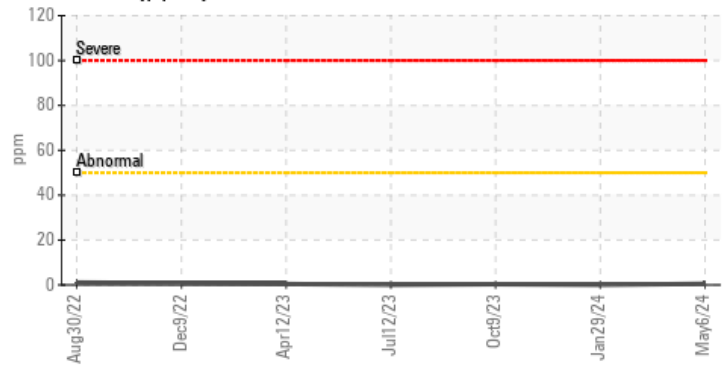


## GRAPHS

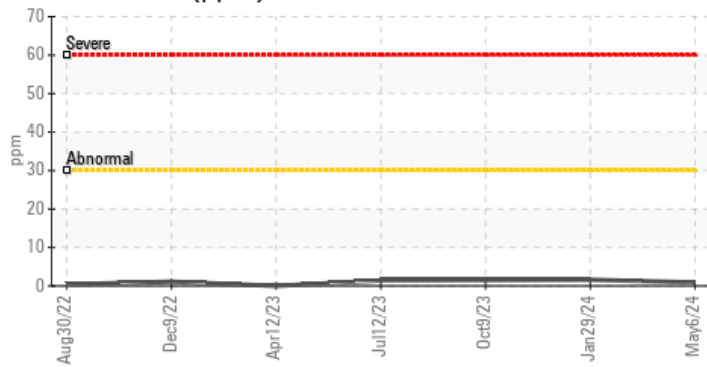
### Iron (ppm)



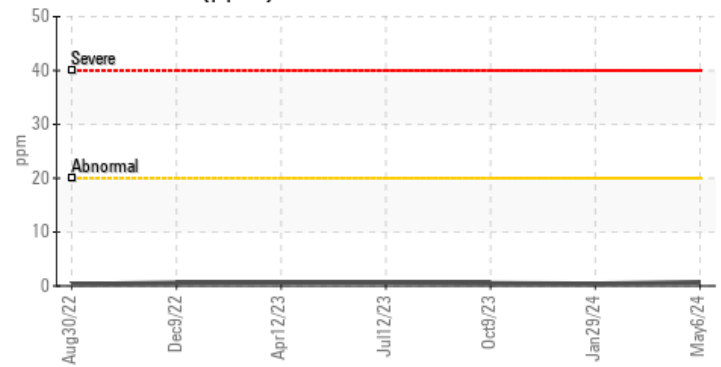
### Lead (ppm)



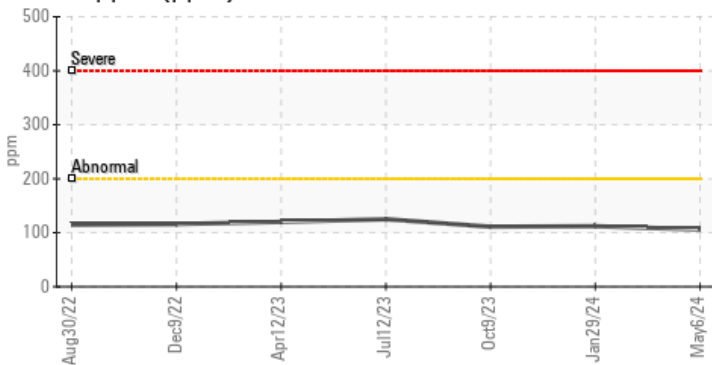
### Aluminum (ppm)



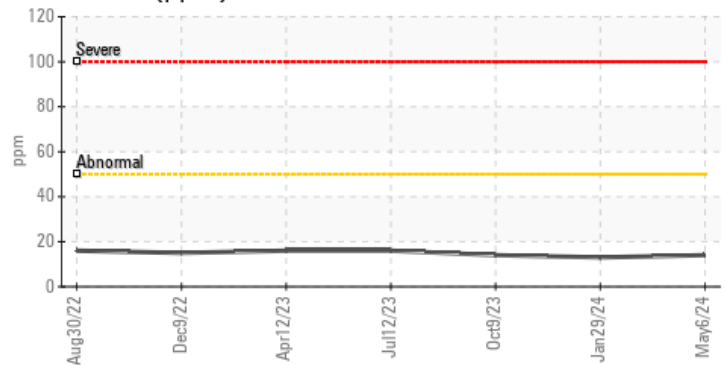
### Chromium (ppm)



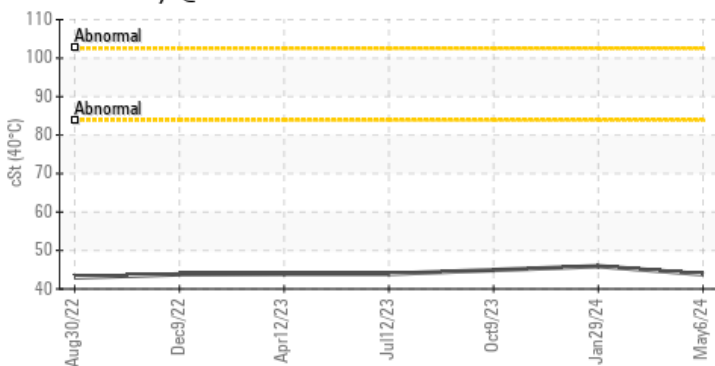
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

