



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352071 - BRAKE



**Sample No:** VCP427482  
**Oil Type:** NOT GIVEN  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP427482</b>	VCP413180	VCP382589	VCP397971
Sample Date	<b>09 Oct 2023</b>	12 Jul 2023	12 Apr 2023	09 Dec 2022
Machine Hours	<b>7028</b>	6523	6049	5545
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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 BIRMINGHAM, AL  
 US 35207

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 T: (205)943-2268  
 F: (205)943-2269



### OIL CONDITION

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

Silicon	ppm	<b>14</b>	16	16	15
Sodium	ppm	<b>&lt;1</b>	4	4	2
Potassium	ppm	<b>3</b>	0	0	0



### WEAR METALS

Iron	ppm	<b>21</b>	22	19	20
Copper	ppm	<b>111</b>	125	120	116
Lead	ppm	<b>&lt;1</b>	0	<1	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>2</b>	1	0	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>3</b>	4	4	3
Nickel	ppm	<b>5</b>	5	5	5
Titanium	ppm	<b>&lt;1</b>	0	<1	0
Silver	ppm	<b>0</b>	0	2	0
Manganese	ppm	<b>&lt;1</b>	<1	2	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>2442</b>	3396	3210	3380
Magnesium	ppm	<b>144</b>	23	26	22
Zinc	ppm	<b>1356</b>	1504	1401	1473
Phosphorus	ppm	<b>1249</b>	1291	1156	1211
Barium	ppm	<b>9</b>	0	0	0
Boron	ppm	<b>77</b>	110	91	100

### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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.

**Depot:** SAIBIR  
**Unique No:** 10709600  
**Signed:** Sean Felton  
**Report Date:** 25 Oct 2023

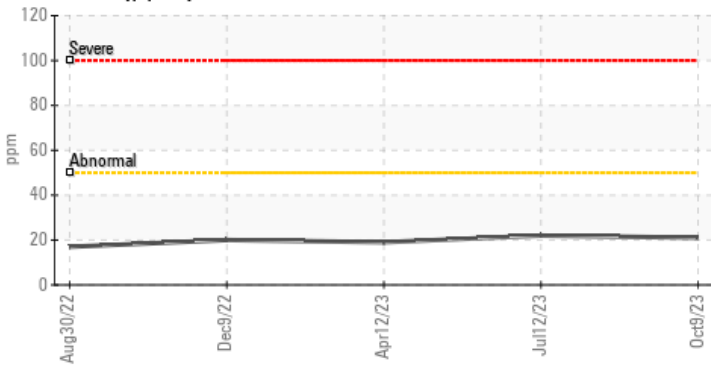


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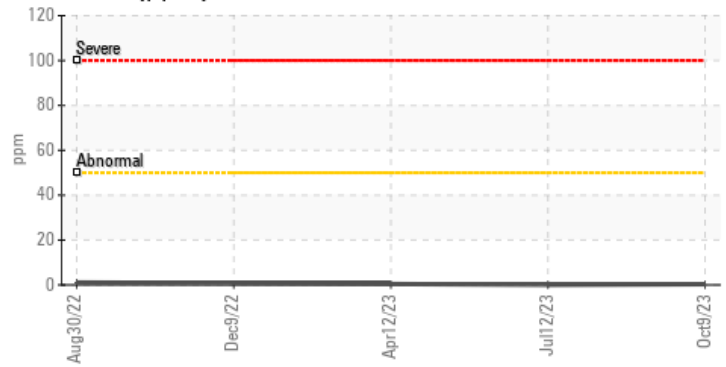


## GRAPHS

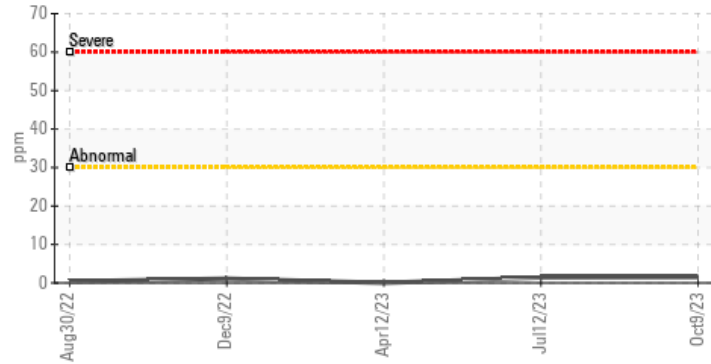
### Iron (ppm)



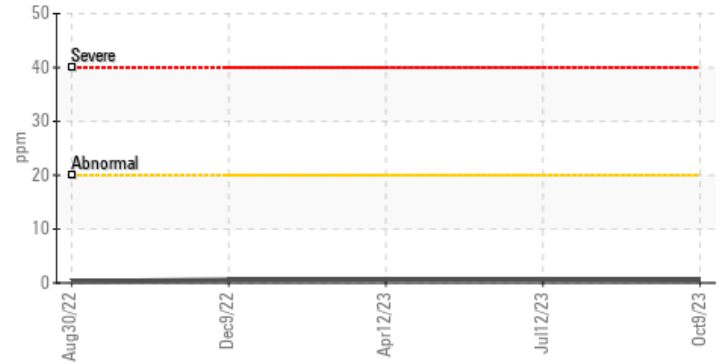
### Lead (ppm)



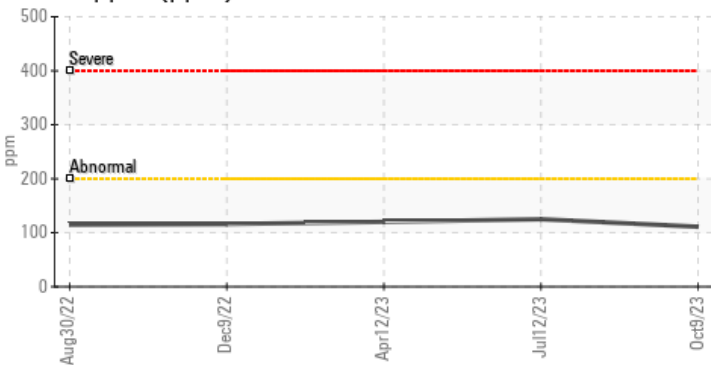
### Aluminum (ppm)



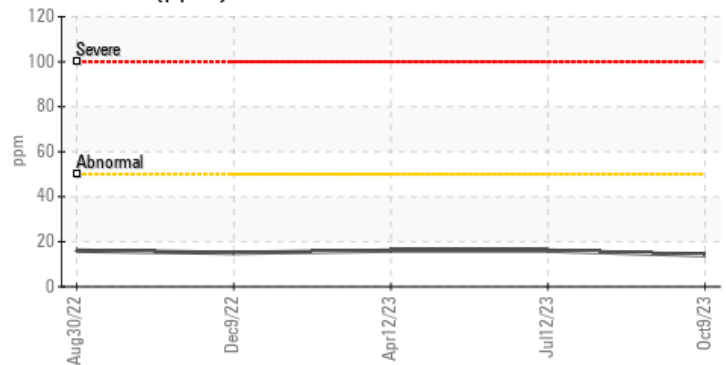
### Chromium (ppm)



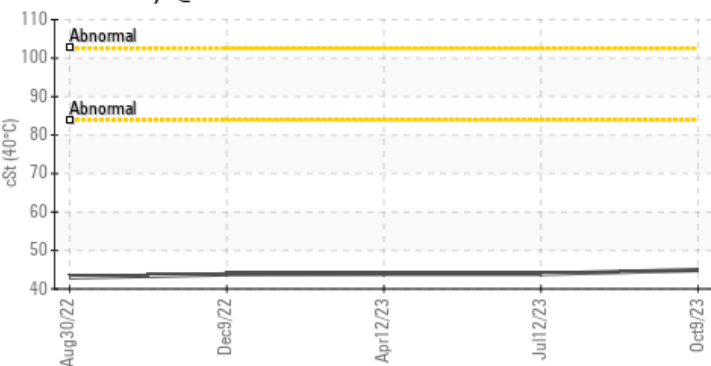
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

