



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 352704 - TANK BRAKE



**Sample No:** VCP431971  
**Oil Type:** NOT GIVEN  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP431971</b>	VCP389124	VCP402629	VCP394359
Sample Date	<b>06 Nov 2023</b>	17 Jul 2023	27 Apr 2023	08 Feb 2023
Machine Hours	<b>4902</b>	4405	3920	3450
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Changed	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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 F: (205)943-2269



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.7</b>	43.3	40.1	39.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>17</b>	17	19	19
Sodium	ppm	<b>8</b>	8	6	11
Potassium	ppm	<b>&lt;1</b>	0	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 fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>25</b>	25	29	31
Copper	ppm	<b>172</b>	151	227	198
Lead	ppm	<b>&lt;1</b>	2	0	3
Tin	ppm	<b>&lt;1</b>	<1	0	<1
Aluminum	ppm	<b>2</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>1</b>	3	<1	<1
Nickel	ppm	<b>5</b>	5	6	7
Titanium	ppm	<b>0</b>	<1	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	1	2
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>3338</b>	3361	3487	3422
Magnesium	ppm	<b>36</b>	27	8	12
Zinc	ppm	<b>1492</b>	1425	1468	1466
Phosphorus	ppm	<b>1217</b>	1169	1251	1192
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>115</b>	113	120	122

**Depot:** SAIBIR  
**Unique No:** 10749078  
**Signed:** Don Baldrige  
**Report Date:** 20 Nov 2023

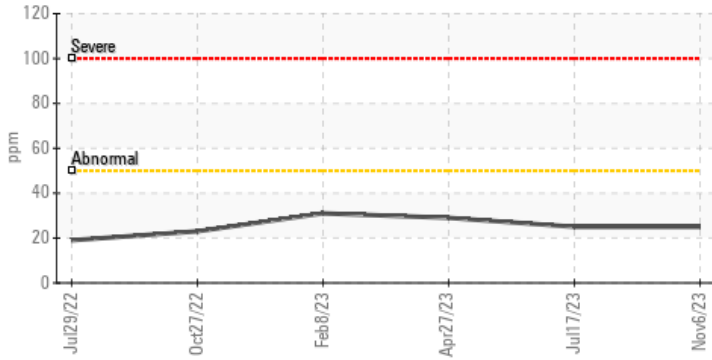


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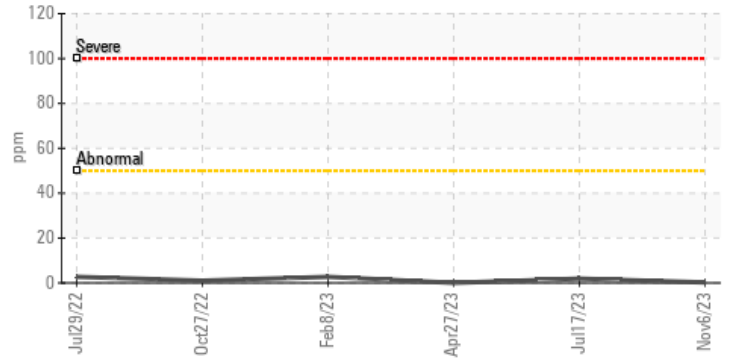


## GRAPHS

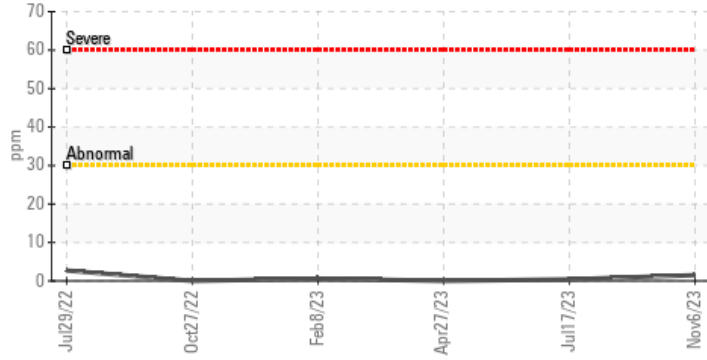
### Iron (ppm)



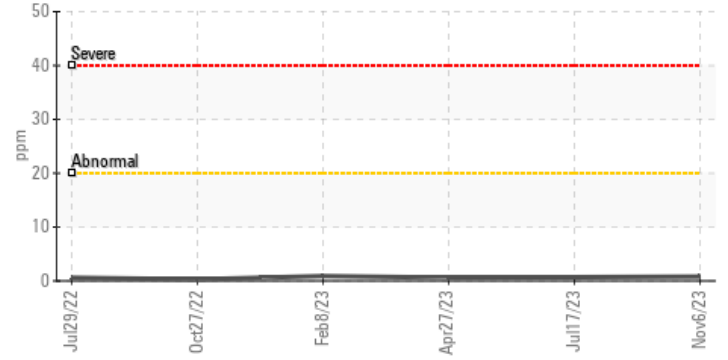
### Lead (ppm)



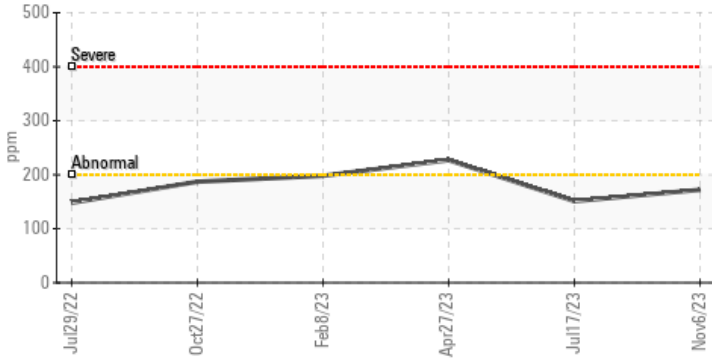
### Aluminum (ppm)



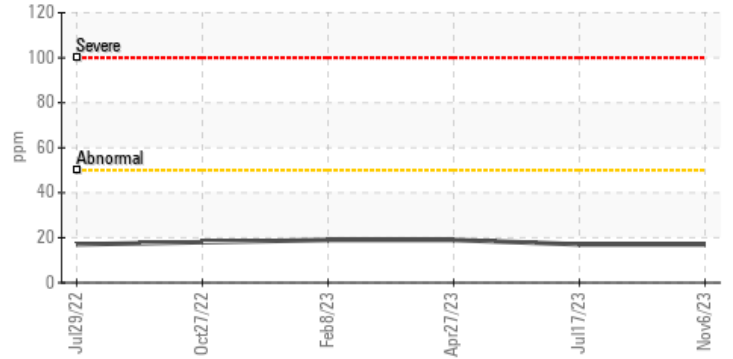
### Chromium (ppm)



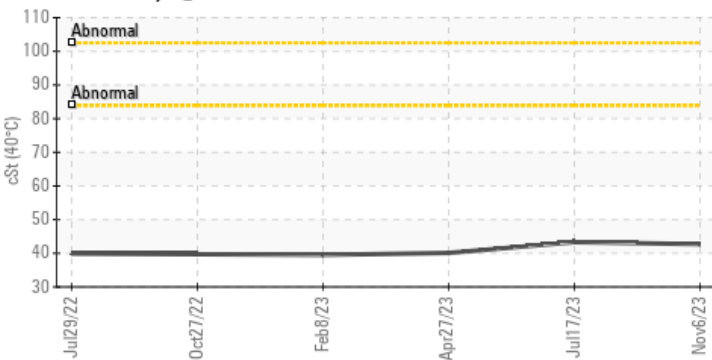
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

