



# CONSTRUCTION EQUIPMENT

SWO-063672 VOLVO A45G 352708 - TANK BRAKE



**Sample No:** VCP404724  
**Oil Type:** NOT GIVEN  
**Job No:** SWO-063672



## SAMPLE INFORMATION

Sample Number	<b>VCP404724</b>	VCP396770	VCP369294	VCP366784
Sample Date	<b>06 Jul 2023</b>	24 Mar 2023	08 Nov 2022	25 Jul 2022
Machine Hours	<b>3920</b>	3429	2956	2440
Oil Hours	<b>0</b>	0	0	2440
Oil Changed	<b>Changed</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

### SAIIA CONSTRUCTION LLC

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BIRMINGHAM, AL  
US 35207

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F: (205)943-2269



## OIL CONDITION

Visc @ 40°C	cSt	<b>40.1</b>	41.0	40.0	40.2
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## CONTAMINATION

Silicon	ppm	<b>18</b>	19	18	19
Sodium	ppm	<b>10</b>	11	11	9
Potassium	ppm	<b>0</b>	2	0	2



## WEAR METALS

Iron	ppm	<b>29</b>	33	24	26
Copper	ppm	<b>194</b>	177	178	150
Lead	ppm	<b>0</b>	2	3	<1
Tin	ppm	<b>0</b>	<1	<1	0
Aluminum	ppm	<b>2</b>	<1	1	1
Chromium	ppm	<b>&lt;1</b>	1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	0
Nickel	ppm	<b>6</b>	6	6	2
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	1	1
Vanadium	ppm	<b>0</b>	0	0	0



## ADDITIVES

Calcium	ppm	<b>3484</b>	3687	3346	3487
Magnesium	ppm	<b>10</b>	16	10	9
Zinc	ppm	<b>1585</b>	1621	1469	1480
Phosphorus	ppm	<b>1307</b>	1299	1226	1223
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>105</b>	117	112	125

## 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:** 10551210  
**Signed:** Sean Felton  
**Report Date:** 13 Jul 2023

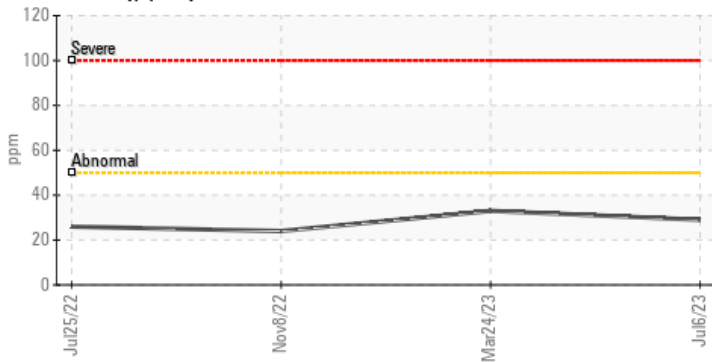


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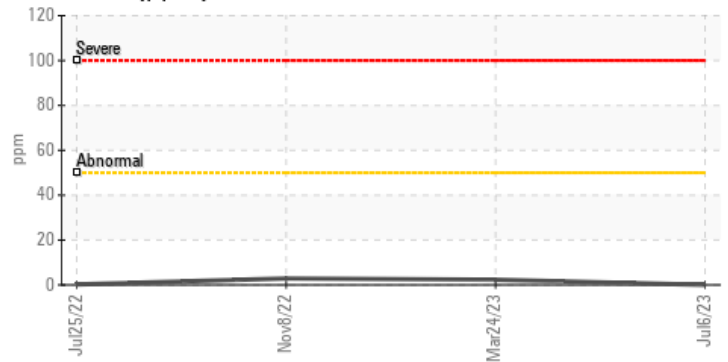


## GRAPHS

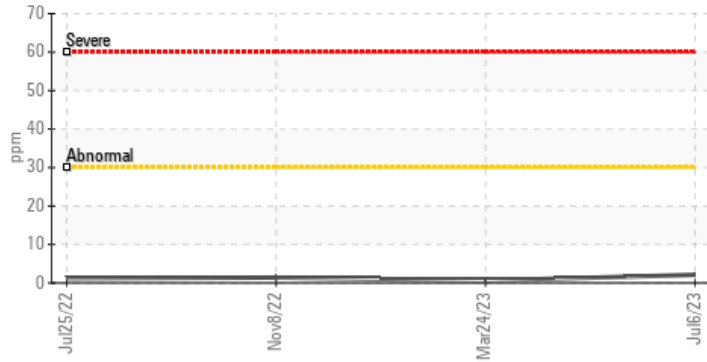
### Iron (ppm)



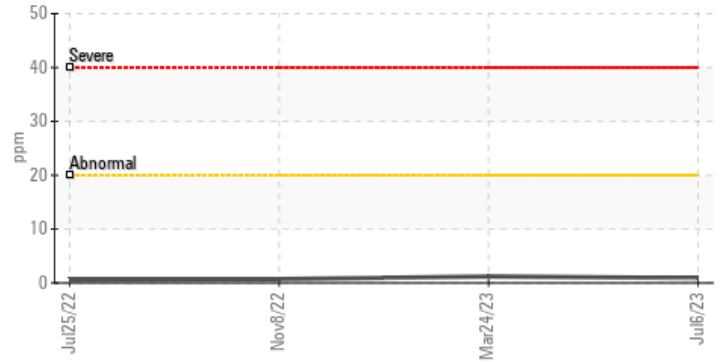
### Lead (ppm)



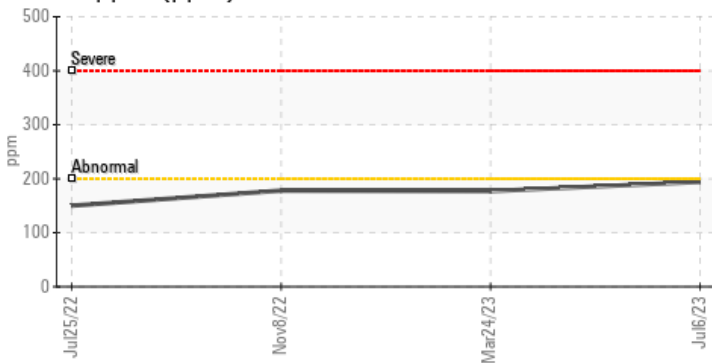
### Aluminum (ppm)



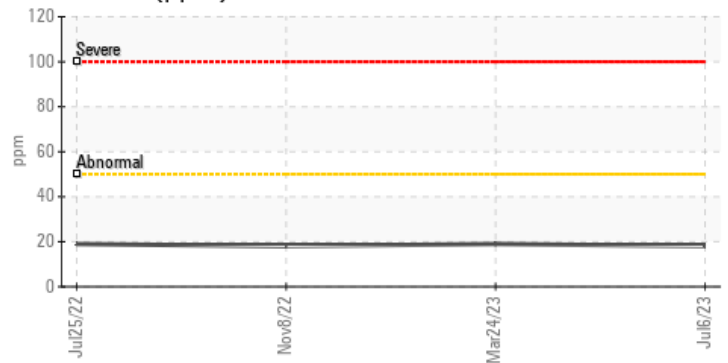
### Chromium (ppm)



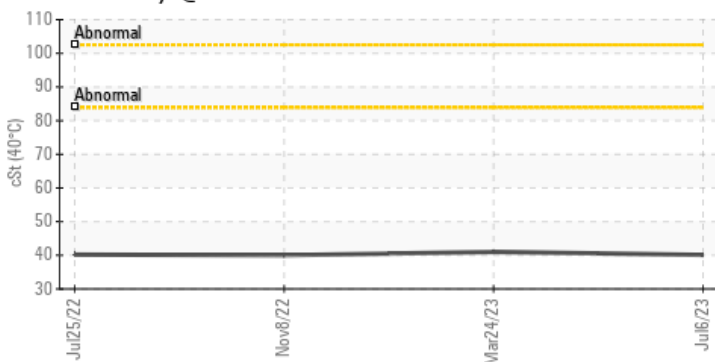
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

