



# CONSTRUCTION EQUIPMENT

## SWO-071765 VOLVO A45G 342546 - TRANSMISSION (AUTO)



**Sample No:** VCP454760  
**Oil Type:** VOLVO AT 102  
**Job No:** SWO-071765



### SAMPLE INFORMATION

Sample Number	<b>VCP454760</b>	VCP432907	VCP416541	VCP402214
Sample Date	<b>07 May 2024</b>	04 Oct 2023	19 Jun 2023	28 Feb 2023
Machine Hours	<b>8542</b>	8046	7553	7072
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Not Changd	Changed	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>28.4</b>	29.3	28.8	29.3
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	2	2	2
Sodium	ppm	<b>3</b>	3	0	2
Potassium	ppm	<b>2</b>	0	1	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>2</b>	2	5	3
Copper	ppm	<b>8</b>	7	12	7
Lead	ppm	<b>&lt;1</b>	0	<1	0
Tin	ppm	<b>1</b>	<1	1	0
Aluminum	ppm	<b>3</b>	2	2	3
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>0</b>	0	<1	0
Nickel	ppm	<b>1</b>	<1	2	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>75</b>	75	67	70
Magnesium	ppm	<b>4</b>	4	0	0
Zinc	ppm	<b>4</b>	<1	0	4
Phosphorus	ppm	<b>193</b>	180	188	190
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>92</b>	86	117	95

**Depot:** SAIBIR  
**Unique No:** 11022025  
**Signed:** Sean Felton  
**Report Date:** 14 May 2024

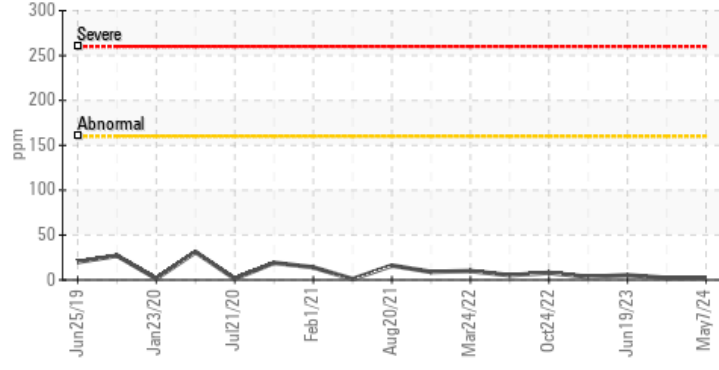


# CONSTRUCTION EQUIPMENT

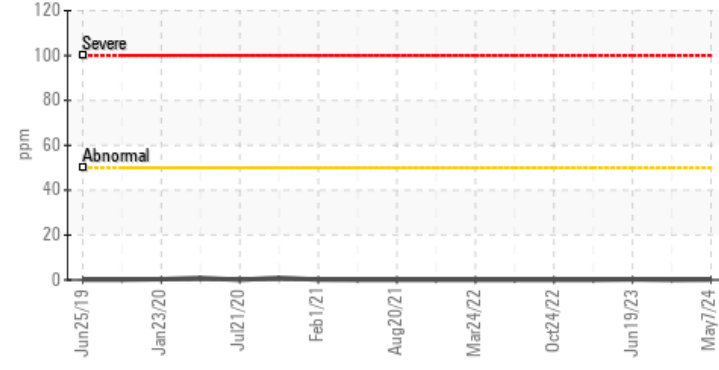


## GRAPHS

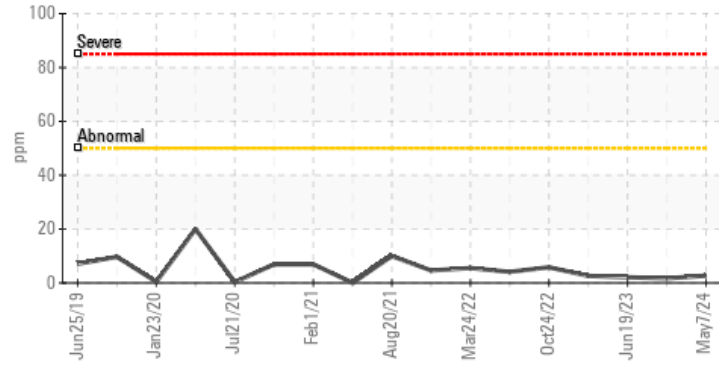
### Iron (ppm)



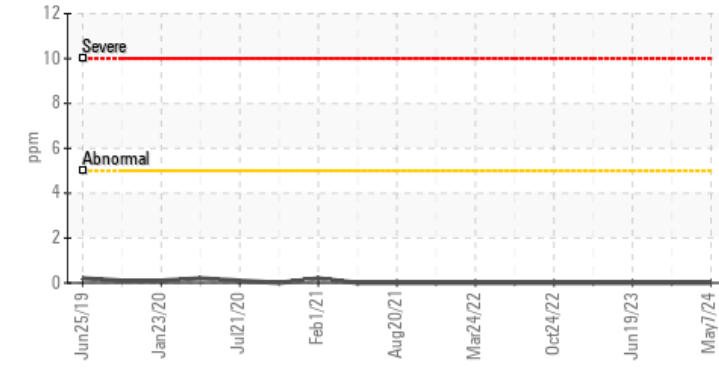
### Lead (ppm)



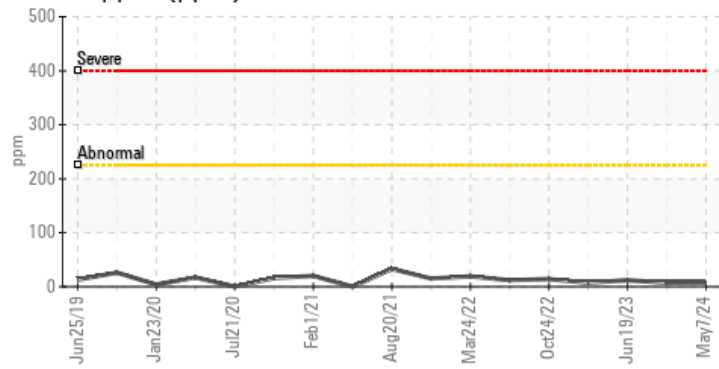
### Aluminum (ppm)



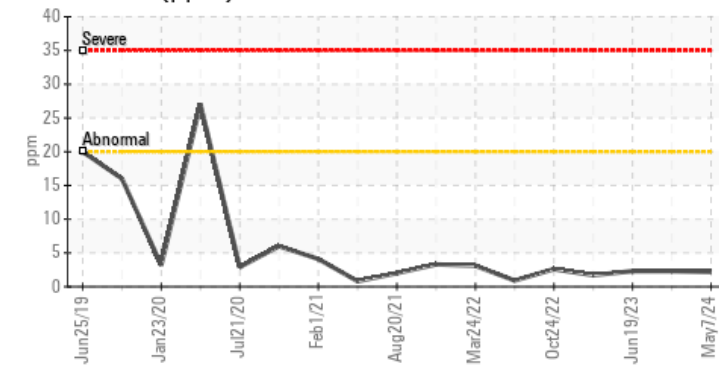
### Chromium (ppm)



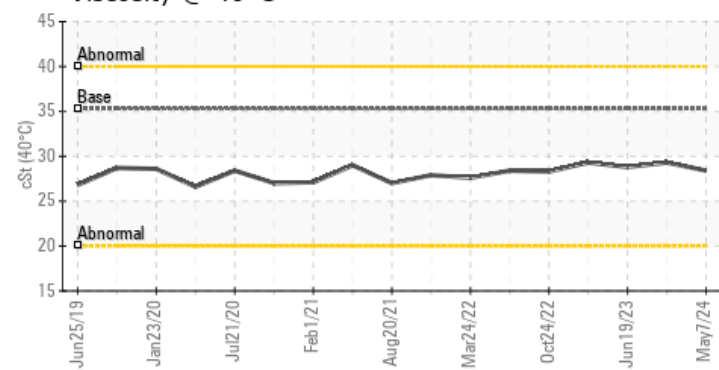
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

