



# CONSTRUCTION EQUIPMENT

## VOLVO A40G 352355 - TRANSMISSION (AUTO)



**Sample No:** VCP442788  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



**ALTA EQUIPMENT COMPANY**  
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### SAMPLE INFORMATION

Sample Number	<b>VCP442788</b>	VCP422671	---	---
Sample Date	<b>11 Jul 2024</b>	23 Jun 2023	---	---
Machine Hours	<b>4971</b>	7528	---	---
Oil Hours	<b>0</b>	1000	---	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>29.8</b>	23.9	---	---
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### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	<b>5</b>	4	---	---
Sodium	ppm	<b>6</b>	2	---	---
Potassium	ppm	<b>2</b>	0	---	---



### WEAR METALS

Iron	ppm	<b>17</b>	51	---	---
Copper	ppm	<b>38</b>	14	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>4</b>	3	---	---
Aluminum	ppm	<b>12</b>	18	---	---
Chromium	ppm	<b>0</b>	<1	---	---
Molybdenum	ppm	<b>0</b>	0	---	---
Nickel	ppm	<b>▲ 6</b>	2	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>0</b>	<1	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>79</b>	79	---	---
Magnesium	ppm	<b>0</b>	<1	---	---
Zinc	ppm	<b>0</b>	0	---	---
Phosphorus	ppm	<b>174</b>	193	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>81</b>	97	---	---

### Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The nickel level is abnormal. All other component wear rates are normal. There is a moderate amount of visible silt present in the sample. The condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO0090  
**Unique No:** 11125502  
**Signed:** Don Baldrige  
**Report Date:** 17 Jul 2024

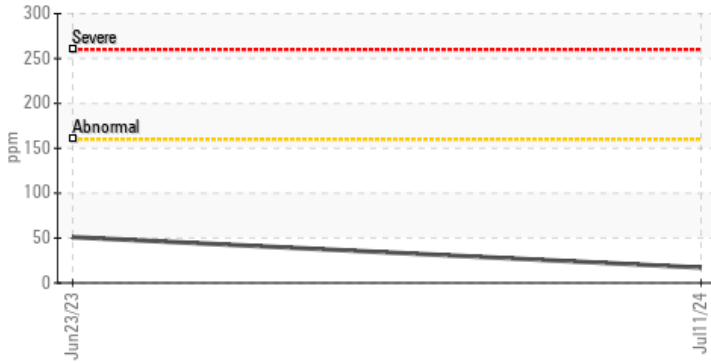


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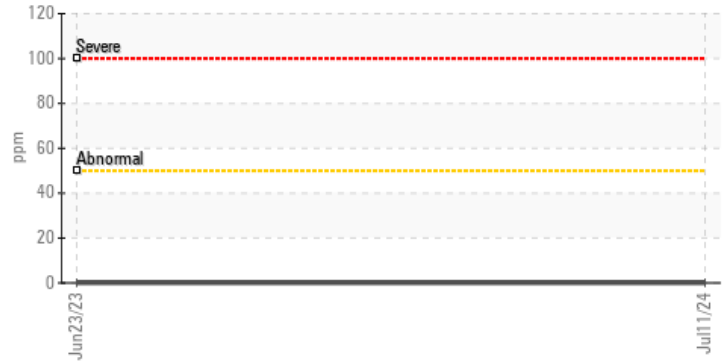


## GRAPHS

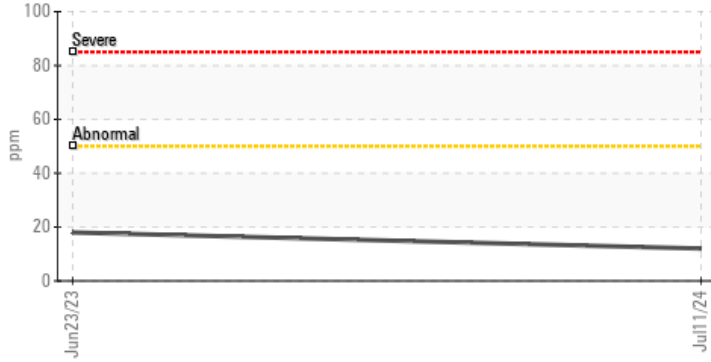
### Iron (ppm)



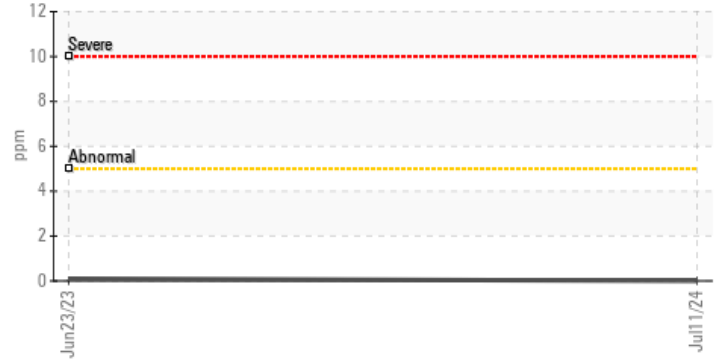
### Lead (ppm)



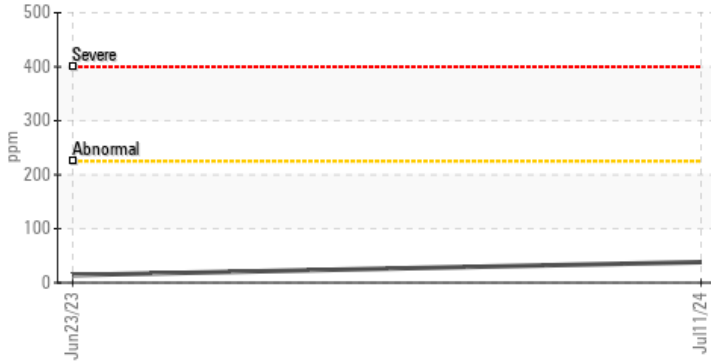
### Aluminum (ppm)



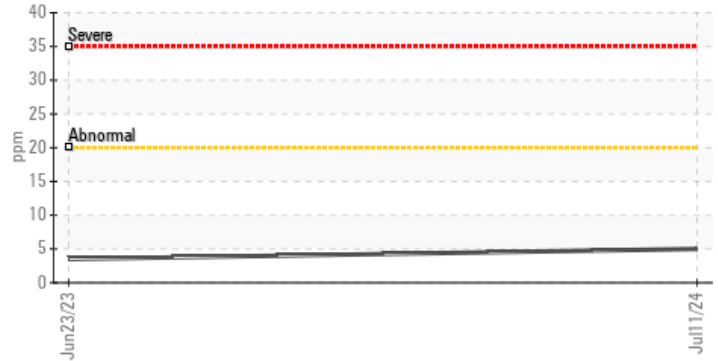
### Chromium (ppm)



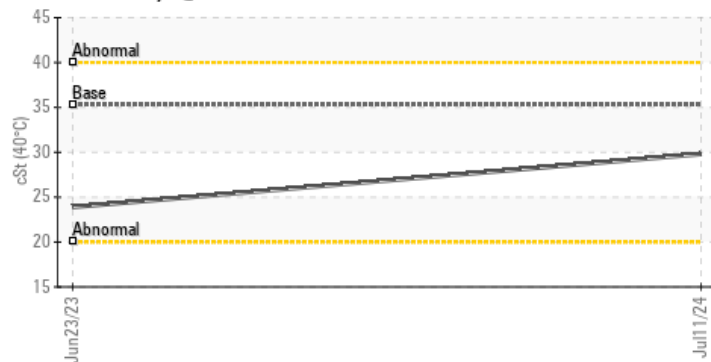
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

