



# CONSTRUCTION EQUIPMENT

18965 VOLVO A45G 353358 - TRANSMISSION (AUTO)



**Sample No:** VCP410420  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 18965



## SAMPLE INFORMATION

Sample Number	<b>VCP410420</b>	VCP395557	---	---
Sample Date	<b>29 Jun 2023</b>	21 Feb 2023	---	---
Machine Hours	<b>984</b>	506	---	---
Oil Hours	<b>984</b>	506	---	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	---	---
Sample Status	<b>ABNORMAL</b>	NORMAL	---	---

### GAINES & CO

526 THREE SISTERS RD  
 KNIGHTDALE, NC  
 US 27545  
 Contact: BEAR PERONE  
 gperone@gainesandco.com  
 T: (919)524-4711  
 F: (919)944-0091



## OIL CONDITION

Visc @ 40°C	cSt	<b>28.0</b>	29.1	---	---
-------------	-----	-------------	------	-----	-----



## CONTAMINATION

Silicon	ppm	<b>13</b>	14	---	---
Sodium	ppm	<b>4</b>	3	---	---
Potassium	ppm	<b>4</b>	2	---	---



## WEAR METALS

Iron	ppm	<b>28</b>	22	---	---
Copper	ppm	<b>13</b>	10	---	---
Lead	ppm	<b>0</b>	0	---	---
Tin	ppm	<b>3</b>	1	---	---
Aluminum	ppm	<b>16</b>	9	---	---
Chromium	ppm	<b>&lt;1</b>	0	---	---
Molybdenum	ppm	<b>&lt;1</b>	0	---	---
Nickel	ppm	<b>2</b>	<1	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	0	---	---
Manganese	ppm	<b>3</b>	3	---	---
Vanadium	ppm	<b>0</b>	0	---	---



## ADDITIVES

Calcium	ppm	<b>70</b>	86	---	---
Magnesium	ppm	<b>2</b>	4	---	---
Zinc	ppm	<b>0</b>	10	---	---
Phosphorus	ppm	<b>191</b>	194	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>81</b>	80	---	---

## 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. Moderate concentration of visible metal present. 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:** GAIKNI  
**Unique No:** 10552893  
**Signed:** Sean Felton  
**Report Date:** 14 Jul 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

