



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 35323 - TRANSMISSION (AUTO)



**Sample No:** VCP451341  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP451341</b>	VCP437710	VCP435532	VCP401236
Sample Date	<b>03 May 2024</b>	12 Apr 2024	06 Jan 2024	30 Aug 2023
Machine Hours	<b>2406</b>	2288	1771	1291
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

**ALTA EQUIPMENT COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>27.8</b>	28.1	27.87	27.9
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>13</b>	15	16	16
Sodium	ppm	<b>6</b>	5	4	4
Potassium	ppm	<b>3</b>	4	4	2

### 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>30</b>	31	35	28
Copper	ppm	<b>15</b>	17	20	16
Lead	ppm	<b>1</b>	<1	0	0
Tin	ppm	<b>4</b>	3	2	2
Aluminum	ppm	<b>13</b>	14	13	12
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	0	0
Nickel	ppm	<b>2</b>	2	<1	1
Titanium	ppm	<b>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	<1	0	0
Manganese	ppm	<b>3</b>	2	2	3
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>75</b>	78	76	74
Magnesium	ppm	<b>0</b>	2	0	2
Zinc	ppm	<b>5</b>	3	0	0
Phosphorus	ppm	<b>196</b>	194	232	192
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>72</b>	76	99	89

**Depot:** VOLVO0090  
**Unique No:** 11016444  
**Signed:** Jonathan Hester  
**Report Date:** 08 May 2024



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## VOLVO GRAPHS

