



# CONSTRUCTION EQUIPMENT

## 620889 VOLVO A45G 352039 - TRANSMISSION (AUTO)



**Sample No:** VCP435118  
**Oil Type:** VOLVO AT 102  
**Job No:** 620889



### SAMPLE INFORMATION

Sample Number	<b>VCP435118</b>	VCP403667	VCP377485	VCP336826
Sample Date	<b>14 Oct 2023</b>	18 Mar 2023	23 Apr 2022	13 Nov 2021
Machine Hours	<b>8196</b>	6836	5423	4784
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**ORANGE COUNTY SOLID WASTE**  
 5901 YOUNG PINE ROAD  
 ORLANDO, FL  
 US 32829  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>28.2</b>	29.6	28.3	27.6
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### CONTAMINATION

Silicon	ppm	<b>5</b>	7	3	10
Sodium	ppm	<b>3</b>	4	3	7
Potassium	ppm	<b>1</b>	1	0	5

### 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>17</b>	32	19	32
Copper	ppm	<b>22</b>	44	22	50
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>2</b>	5	1	5
Aluminum	ppm	<b>11</b>	17	8	13
Chromium	ppm	<b>0</b>	0	0	<1
Molybdenum	ppm	<b>0</b>	<1	0	<1
Nickel	ppm	<b>3</b>	7	2	8
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>&lt;1</b>	2	0	2
Vanadium	ppm	<b>0</b>	<1	0	0



### ADDITIVES

Calcium	ppm	<b>70</b>	69	79	74
Magnesium	ppm	<b>0</b>	5	0	<1
Zinc	ppm	<b>0</b>	3	1	6
Phosphorus	ppm	<b>187</b>	172	217	175
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>86</b>	82	85	71

**Depot:** ORAORL  
**Unique No:** 10702532  
**Signed:** Wes Davis  
**Report Date:** 23 Oct 2023



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## VOLVO GRAPHS

