



# CONSTRUCTION EQUIPMENT

620255 APTIM VOLVO A35G 340109 - TRANSMISSION (AUTO)



**Sample No:** VCP433368  
**Oil Type:** VOLVO AT 102  
**Job No:** 620255 APTIM



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## SAMPLE INFORMATION

Sample Number	<b>VCP433368</b>	VCP424432	VCP423607	---
Sample Date	<b>12 Oct 2023</b>	11 Jul 2023	16 Mar 2023	---
Machine Hours	<b>9376</b>	8937	8480	---
Oil Hours	<b>1000</b>	2000	1000	---
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	---
Sample Status	<b>ATTENTION</b>	ABNORMAL	ABNORMAL	---



## OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 105</b>	■ 30.9	■ 28.1	---
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## CONTAMINATION

Silicon	ppm	■ <b>3</b>	■ 5	■ 5	---
Sodium	ppm	■ <b>3</b>	■ 5	■ 4	---
Potassium	ppm	■ <b>3</b>	■ <1	■ <1	---



## WEAR METALS

Iron	ppm	■ <b>15</b>	■ 45	■ 41	---
Copper	ppm	■ <b>36</b>	■ 126	■ 139	---
Lead	ppm	■ <b>0</b>	■ <1	■ 0	---
Tin	ppm	■ <b>2</b>	■ 5	■ 5	---
Aluminum	ppm	■ <b>10</b>	▲ 30	▲ 27	---
Chromium	ppm	■ <b>0</b>	■ 0	■ 0	---
Molybdenum	ppm	■ <b>1</b>	■ 5	■ 6	---
Nickel	ppm	■ <b>2</b>	■ 6	■ 7	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	■ <b>0</b>	■ 0	■ <1	---
Manganese	ppm	■ <b>&lt;1</b>	■ 2	■ 2	---
Vanadium	ppm	■ <b>&lt;1</b>	■ <1	0	---



## ADDITIVES

Calcium	ppm	■ <b>97</b>	■ 174	■ 183	---
Magnesium	ppm	■ <b>3</b>	■ 12	■ 16	---
Zinc	ppm	■ <b>30</b>	■ 79	■ 91	---
Phosphorus	ppm	■ <b>209</b>	■ 217	■ 230	---
Barium	ppm	■ <b>0</b>	■ 0	■ 0	---
Boron	ppm	■ <b>85</b>	■ 51	■ 51	---

## 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 fluid viscosity is higher than normal. Confirm oil type.

**Depot:** VOLVO0093  
**Unique No:** 10742499  
**Signed:** Don Baldrige  
**Report Date:** 18 Nov 2023



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## GRAPHS

