



# CONSTRUCTION EQUIPMENT

687947 ATLAS ORG VOLVO L70H 623753 - TRANSMISSION (AUTO)



**Sample No:** VCP455077  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 687947 ATLAS ORG



## SAMPLE INFORMATION

Sample Number	<b>VCP455077</b>	VCP432901	VCP418337	VCP417833
Sample Date	<b>13 Mar 2024</b>	21 Dec 2023	12 Sep 2023	29 Jun 2023
Machine Hours	<b>8707</b>	8081	7300	6718
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>SEVERE</b>	NORMAL	SEVERE	SEVERE

**ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC**  
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## OIL CONDITION

Visc @ 40°C	cSt	<b>27.4</b>	27.56	27.6	26.6
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>10</b>	2	9	17
Sodium	ppm	<b>7</b>	1	8	11
Potassium	ppm	<b>3</b>	2	2	4

## Diagnosis

We recommend that you drain the fluid from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. There is no indication of any contamination in the fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.



## WEAR METALS

Iron	ppm	<b>352</b>	4	335	677
Copper	ppm	<b>10</b>	6	9	15
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	0	0	0
Aluminum	ppm	<b>10</b>	0	7	8
Chromium	ppm	<b>1</b>	1	<1	2
Molybdenum	ppm	<b>1</b>	0	<1	1
Nickel	ppm	<b>1</b>	0	<1	<1
Titanium	ppm	<b>&lt;1</b>	<1	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>7</b>	<1	6	14
Vanadium	ppm	<b>&lt;1</b>	0	<1	0



## ADDITIVES

Calcium	ppm	<b>131</b>	14	145	218
Magnesium	ppm	<b>3</b>	0	0	4
Zinc	ppm	<b>72</b>	240	31	136
Phosphorus	ppm	<b>172</b>	299	219	230
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>40</b>	0	53	29

**Depot:** VOLVO0096  
**Unique No:** 10938271  
**Signed:** Don Baldrige  
**Report Date:** 23 Mar 2024



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## GRAPHS

