



# CONSTRUCTION EQUIPMENT

## VOLVO L90H 623623 - TRANSMISSION (AUTO)



**Sample No:** VCP441818  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP441818</b>	VCP337391	VCP302069	VCP266154
Sample Date	<b>02 Feb 2024</b>	09 Aug 2021	25 Jan 2021	20 Mar 2020
Machine Hours	<b>13435</b>	9114	8072	6543
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Changed</b>	Not Changed	Changed	Changed
Sample Status	<b>ABNORMAL</b>	NORMAL	NORMAL	NORMAL

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

Visc @ 40°C	cSt	<b>25.7</b>	26.6	26.6	26.5
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	0	2	5
Sodium	ppm	<b>6</b>	4	<1	4
Potassium	ppm	<b>&lt;1</b>	0	1	7

### Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>39</b>	11	21	33
Copper	ppm	<b>11</b>	4	5	7
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	0	13
Aluminum	ppm	<b>&lt;1</b>	0	0	<1
Chromium	ppm	<b>0</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	<1	<1	1
Nickel	ppm	<b>0</b>	0	<1	1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	1	2
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>159</b>	86	124	134
Magnesium	ppm	<b>3</b>	0	7	9
Zinc	ppm	<b>46</b>	22	28	60
Phosphorus	ppm	<b>183</b>	152	192	181
Barium	ppm	<b>0</b>	0	0	<1
Boron	ppm	<b>56</b>	93	72	56

**Depot:** VOLVO0090  
**Unique No:** 10862380  
**Signed:** Don Baldrige  
**Report Date:** 07 Feb 2024



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## VOLVO GRAPHS

