



# CONSTRUCTION EQUIPMENT

## 645644 PRINCE VOLVO L90H 626456 - TRANSMISSION (AUTO)



**Sample No:** VCP432228  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 645644 PRINCE



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### SAMPLE INFORMATION

Sample Number	<b>VCP432228</b>	VCP412610	VCP395871	---
Sample Date	<b>09 Dec 2023</b>	21 Jul 2023	26 Feb 2023	---
Machine Hours	<b>2021</b>	1396	627	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>ABNORMAL</b>	ABNORMAL	NORMAL	---



### OIL CONDITION

Visc @ 40°C	cSt	<b>28.9</b>	27.9	28.1	---
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### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Silicon	ppm	<b>9</b>	8	6	---
Sodium	ppm	<b>&lt;1</b>	4	<1	---
Potassium	ppm	<b>3</b>	<1	1	---



### WEAR METALS

Iron	ppm	<b>282</b>	201	123	---
Copper	ppm	<b>10</b>	6	4	---
Lead	ppm	<b>0</b>	0	0	---
Tin	ppm	<b>0</b>	0	0	---
Aluminum	ppm	<b>1</b>	2	0	---
Chromium	ppm	<b>&lt;1</b>	<1	0	---
Molybdenum	ppm	<b>&lt;1</b>	<1	0	---
Nickel	ppm	<b>&lt;1</b>	<1	0	---
Titanium	ppm	<b>0</b>	0	0	---
Silver	ppm	<b>0</b>	0	0	---
Manganese	ppm	<b>10</b>	9	6	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>88</b>	77	71	---
Magnesium	ppm	<b>2</b>	2	<1	---
Zinc	ppm	<b>40</b>	37	32	---
Phosphorus	ppm	<b>177</b>	202	181	---
Barium	ppm	<b>0</b>	<1	2	---
Boron	ppm	<b>61</b>	72	69	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other 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.

**Depot:** VOLVO0093  
**Unique No:** 10790164  
**Signed:** Don Baldrige  
**Report Date:** 18 Dec 2023



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## GRAPHS

