



# CONSTRUCTION EQUIPMENT

## SWA333191 TRADE IN VOLVO L180H 004502 - TRANSMISSION (AUTO)



**Sample No:** VCP417084  
**Oil Type:** VOLVO AT 102  
**Job No:** SWA333191 TRADE IN



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### SAMPLE INFORMATION

Sample Number	<b>VCP417084</b>	VCP424501	VCP393943	VCP353520
Sample Date	<b>11 Sep 2023</b>	14 Jun 2023	06 Mar 2023	26 Aug 2022
Machine Hours	<b>11087</b>	10570	10109	8634
Oil Hours	<b>0</b>	500	2000	2000
Oil Changed	<b>Not Chngd</b>	Changed	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	SEVERE



### OIL CONDITION

Visc @ 40°C	cSt	<b>27.8</b>	27.8	27.6	26.2
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### CONTAMINATION

Silicon	ppm	<b>4</b>	3	4	6
Sodium	ppm	<b>3</b>	2	2	1
Potassium	ppm	<b>1</b>	<1	3	2



### WEAR METALS

Iron	ppm	<b>267</b>	224	189	580
Copper	ppm	<b>16</b>	4	3	10
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	<1	0
Aluminum	ppm	<b>4</b>	2	<1	3
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	<1
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	2	4
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>85</b>	82	88	121
Magnesium	ppm	<b>5</b>	2	7	14
Zinc	ppm	<b>&lt;1</b>	0	0	33
Phosphorus	ppm	<b>209</b>	199	198	213
Barium	ppm	<b>0</b>	0	0	3
Boron	ppm	<b>73</b>	77	76	57

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level has decreased, but is still 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:** 10656886  
**Signed:** Don Baldrige  
**Report Date:** 21 Sep 2023



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## VOLVO GRAPHS

