



# CONSTRUCTION EQUIPMENT

## SWA319806 VOLVO L180H 3738 - TRANSMISSION (AUTO)



**Sample No:** VCP370432  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** SWA319806



### SAMPLE INFORMATION

Sample Number	<b>VCP370432</b>	VCP368518	VCP353795	VCP317574
Sample Date	<b>02 Aug 2023</b>	05 Apr 2023	06 May 2022	20 Aug 2021
Machine Hours	<b>5583</b>	4995	4008	3471
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	N/A	N/A
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	ABNORMAL

### ALTA EQUIPMENT

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 SYRACUSE, NY  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>26.0</b>	29.5	26.4	26.9
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### CONTAMINATION

Silicon	ppm	<b>10</b>	8	7	7
Sodium	ppm	<b>7</b>	5	3	6
Potassium	ppm	<b>2</b>	<1	2	0



### WEAR METALS

Iron	ppm	<b>385</b>	321	247	198
Copper	ppm	<b>12</b>	10	9	9
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>&lt;1</b>	0	0	<1
Aluminum	ppm	<b>4</b>	2	3	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>&lt;1</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>6</b>	5	4	4
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>69</b>	61	65	70
Magnesium	ppm	<b>4</b>	5	1	<1
Zinc	ppm	<b>23</b>	13	14	16
Phosphorus	ppm	<b>173</b>	145	155	163
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>54</b>	43	46	55

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. 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:** VOLV00142  
**Unique No:** 10602904  
**Signed:** Don Baldrige  
**Report Date:** 15 Aug 2023



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## VOLVO GRAPHS

