



# CONSTRUCTION EQUIPMENT

## VOLVO A30G 742 129 - TRANSMISSION (AUTO)



**Sample No:** VCP443743  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP443743</b>	VCP417664	VCP425787	VCP386346
Sample Date	<b>20 May 2024</b>	12 Aug 2023	30 May 2023	21 Dec 2022
Machine Hours	<b>9253</b>	9111	8660	8052
Oil Hours	<b>0</b>	1000	0	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>ABNORMAL</b>	ABNORMAL	ABNORMAL	NORMAL

**RIPA AND ASSOCIATES**  
 10149 FISHER AVENUE  
 TAMPA, FL  
 US 33619  
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 PMServices@ripaconstruction.com  
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### OIL CONDITION

Visc @ 40°C	cSt	<b>28.9</b>	29.0	29.7	28.76
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### CONTAMINATION

Water	%	<b>NEG</b>	▲ 0.315	▲ 0.831	NEG
Silicon	ppm	▲ <b>22</b>	▲ 20	■ 15	■ 6
Sodium	ppm	■ <b>11</b>	■ 15	■ 18	■ 3
Potassium	ppm	■ <b>41</b>	■ 54	▲ 72	■ 2



### WEAR METALS

Iron	ppm	▲ <b>208</b>	▲ 194	■ 68	■ 21
Copper	ppm	■ <b>21</b>	■ 21	■ 13	■ 8
Lead	ppm	■ <b>&lt;1</b>	■ 0	■ 0	■ 0
Tin	ppm	■ <b>5</b>	■ 4	■ 4	■ 3
Aluminum	ppm	■ <b>30</b>	■ 33	■ 39	■ 13
Chromium	ppm	■ <b>1</b>	■ <1	■ 0	■ 0
Molybdenum	ppm	■ <b>5</b>	■ 5	■ 8	■ <1
Nickel	ppm	■ <b>13</b>	■ 16	▲ 16	■ 1
Titanium	ppm	<1	0	0	0
Silver	ppm	■ <b>&lt;1</b>	■ 0	■ 0	■ 0
Manganese	ppm	■ <b>3</b>	■ 3	■ 2	■ <1
Vanadium	ppm	<1	0	0	0



### ADDITIVES

Calcium	ppm	■ <b>59</b>	■ 62	■ 76	■ 84
Magnesium	ppm	■ <b>6</b>	■ 7	■ 8	■ 1
Zinc	ppm	■ <b>361</b>	■ 355	■ 348	■ <1
Phosphorus	ppm	■ <b>180</b>	■ 196	■ 191	■ 230
Barium	ppm	■ <b>0</b>	■ 0	■ 0	■ 0
Boron	ppm	■ <b>55</b>	■ 48	■ 96	■ 89

### Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Gear wear is indicated. High wear metal levels reflect the reported slippage. Elemental level of silicon (Si) above normal indicating ingress of seal material. The condition of the fluid is acceptable for the time in service.

**Depot:** RIPTAM  
**Unique No:** 11044888  
**Signed:** Jonathan Hester  
**Report Date:** 28 May 2024



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## VOLVO GRAPHS

