



# CONSTRUCTION EQUIPMENT

## VOLVO A30F 82299 - TRANSMISSION (AUTO)



**Sample No:** VCP454426  
**Oil Type:** VOLVO AT 102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	<b>VCP454426</b>	VCP454336	VCP345953	VCP266166
Sample Date	<b>08 Feb 2024</b>	08 Feb 2024	20 Jan 2022	30 Mar 2020
Machine Hours	<b>11488</b>	11488	10461	10028
Oil Hours	<b>0</b>	0	1500	2000
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>ATTENTION</b>	NORMAL	SEVERE	NORMAL

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: PM Services  
PMServices@ripaconstruction.com  
T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>▲ 362.7</b>	■ 28.0	■ 34.6	■ 27.0
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	■ <1	■ 4	■ 11	■ 5
Sodium	ppm	■ 0	■ 2	■ 2	■ 4
Potassium	ppm	■ 0	■ 0	■ 3	■ 5

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of fluid. Confirm oil type.



### WEAR METALS

Iron	ppm	■ 0	■ 20	■ 288	■ 39
Copper	ppm	■ <1	■ 7	■ 10	■ 14
Lead	ppm	■ 0	■ 2	■ 0	■ 3
Tin	ppm	■ <1	■ 2	■ 0	■ 0
Aluminum	ppm	■ 0	■ 10	■ 4	■ 15
Chromium	ppm	■ 0	■ 0	■ 1	■ <1
Molybdenum	ppm	■ <1	■ <1	■ <1	■ <1
Nickel	ppm	■ 0	■ <1	■ 0	■ 2
Titanium	ppm	0	0	0	0
Silver	ppm	■ 0	■ 0	0	0
Manganese	ppm	■ <1	■ <1	■ 13	■ <1
Vanadium	ppm	0	0	0	0



### ADDITIVES

Calcium	ppm	▲ 26	■ 155	61	■ 117
Magnesium	ppm	■ 4	■ 8	■ 0	■ 2
Zinc	ppm	■ 20	■ 60	■ 67	■ 14
Phosphorus	ppm	▲ 1037	■ 194	■ 145	■ 189
Barium	ppm	■ 0	■ 0	■ 0	■ 0
Boron	ppm	■ 182	■ 60	■ 40	■ 70

**Depot:** RIPTAM  
**Unique No:** 10875270  
**Signed:** Jonathan Hester  
**Report Date:** 16 Feb 2024



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## VOLVO GRAPHS

