



# CONSTRUCTION EQUIPMENT

## 580566 VOLVO A30G 752343 - TRANSMISSION (AUTO)



**Sample No:** VCP411826  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 580566



### SAMPLE INFORMATION

Sample Number	<b>VCP411826</b>	VCP410218	VCP369724	VCP376707
Sample Date	<b>21 Jul 2023</b>	24 Apr 2023	26 Jan 2023	05 Aug 2022
Machine Hours	<b>3990</b>	3570	3025	2078
Oil Hours	<b>2000</b>	1570	1500	1500
Oil Changed	<b>Changed</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	NORMAL

### RIPA AND ASSOCIATES

10149 FISHER AVENUE  
TAMPA, FL  
US 33619  
Contact: ROBERT TURNER  
rturner@ripatampa.com  
T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>28.6</b>	28.4	28.8	29.0
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### CONTAMINATION

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



### WEAR METALS

Iron	ppm	<b>27</b>	26	20	39
Copper	ppm	<b>8</b>	6	7	15
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>4</b>	3	2	5
Aluminum	ppm	<b>18</b>	14	12	23
Chromium	ppm	<b>0</b>	<1	0	<1
Molybdenum	ppm	<b>&lt;1</b>	0	<1	<1
Nickel	ppm	<b>1</b>	<1	<1	1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>1</b>	<1	1	3
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>72</b>	71	70	80
Magnesium	ppm	<b>1</b>	4	0	2
Zinc	ppm	<b>7</b>	4	2	12
Phosphorus	ppm	<b>189</b>	205	189	194
Barium	ppm	<b>1</b>	0	0	0
Boron	ppm	<b>95</b>	82	87	82

### Diagnosis

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 condition of the fluid is acceptable for the time in service.

**Depot:** RIPTAM  
**Unique No:** 10602522  
**Signed:** Wes Davis  
**Report Date:** 13 Aug 2023

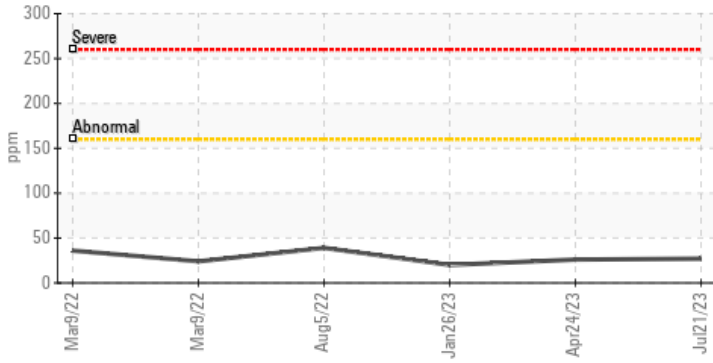


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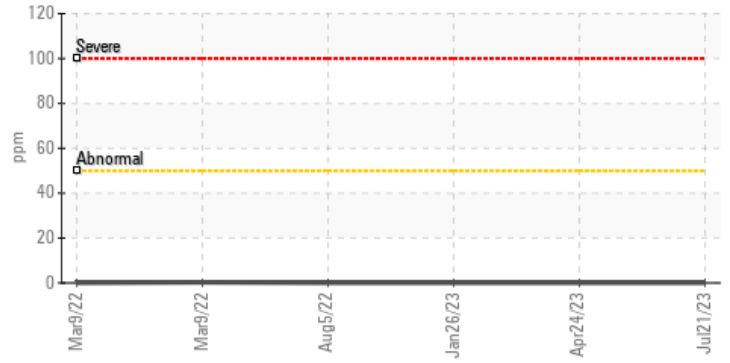


## GRAPHS

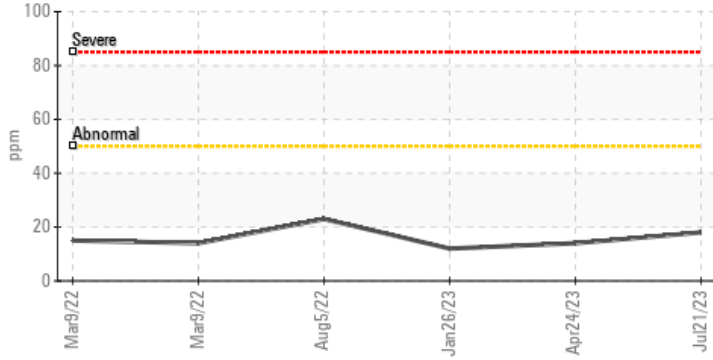
### Iron (ppm)



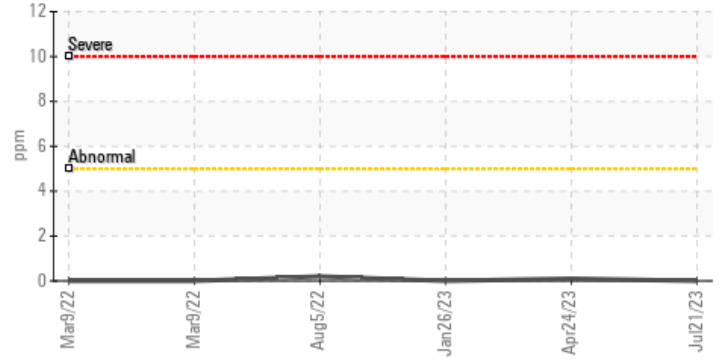
### Lead (ppm)



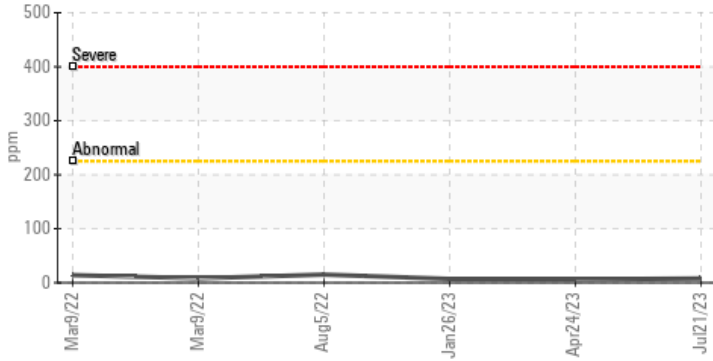
### Aluminum (ppm)



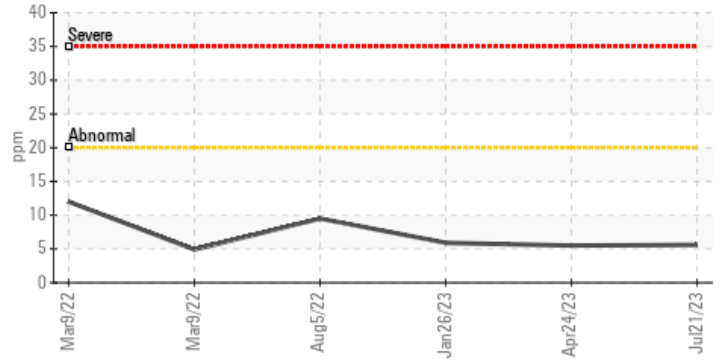
### Chromium (ppm)



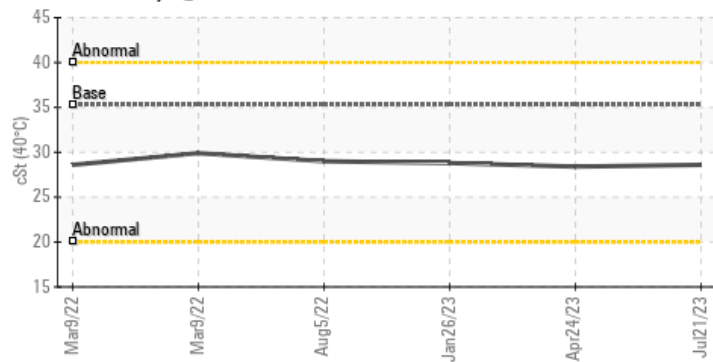
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

