



# CONSTRUCTION EQUIPMENT

## 662069 VOLVO A35F 10350 - TRANSMISSION (AUTO)



**Sample No:** VCP432323  
**Oil Type:** VOLVO AT 102  
**Job No:** 662069



### SAMPLE INFORMATION

Sample Number	<b>VCP432323</b>	VCP310956	VCP240426	VCP209884
Sample Date	<b>01 Feb 2024</b>	18 Jun 2021	05 Sep 2019	12 Jun 2017
Machine Hours	<b>12432</b>	11179	10039	6320
Oil Hours	<b>2000</b>	1000	1000	0
Oil Changed	<b>Changed</b>	Not Chngd	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	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>28.3</b>	26.7	26.5	27.63
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### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>5</b>	3	6	5
Sodium	ppm	<b>6</b>	2	6	5
Potassium	ppm	<b>2</b>	<1	2	2

### 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.



### WEAR METALS

Iron	ppm	<b>31</b>	23	58	39
Copper	ppm	<b>10</b>	8	24	17
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>2</b>	2	5	3
Aluminum	ppm	<b>15</b>	6	31	19
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	2
Nickel	ppm	<b>2</b>	1	4	3
Titanium	ppm	<b>&lt;1</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	<1
Vanadium	ppm	<b>0</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>101</b>	81	120	198
Magnesium	ppm	<b>3</b>	<1	2	8
Zinc	ppm	<b>73</b>	0	20	95
Phosphorus	ppm	<b>202</b>	157	189	229
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>69</b>	79	88	49

**Depot:** RIPTAM  
**Unique No:** 10901628  
**Signed:** Wes Davis  
**Report Date:** 29 Feb 2024

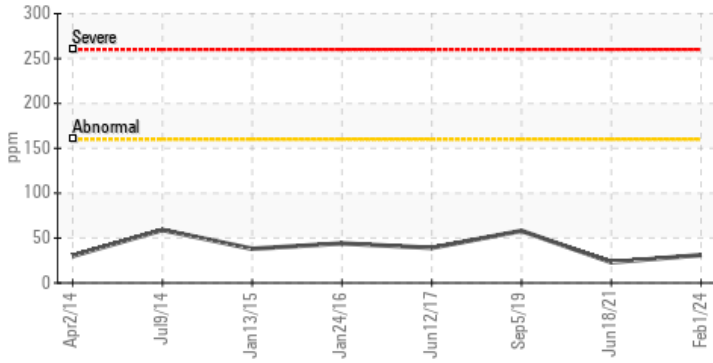


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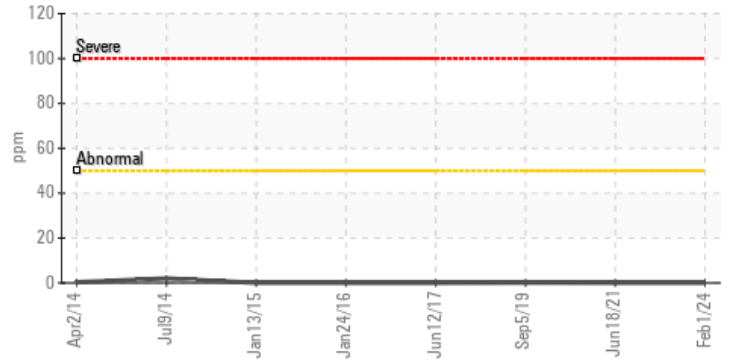


## GRAPHS

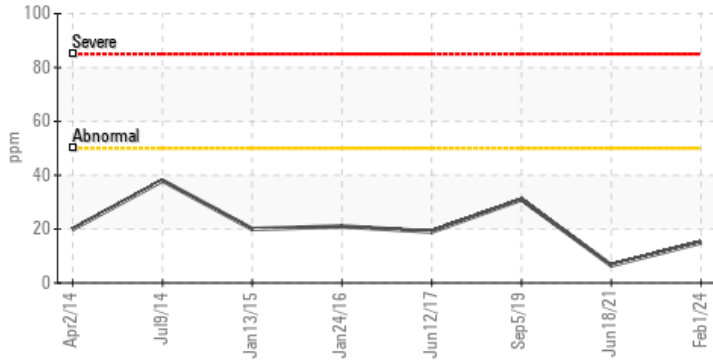
### Iron (ppm)



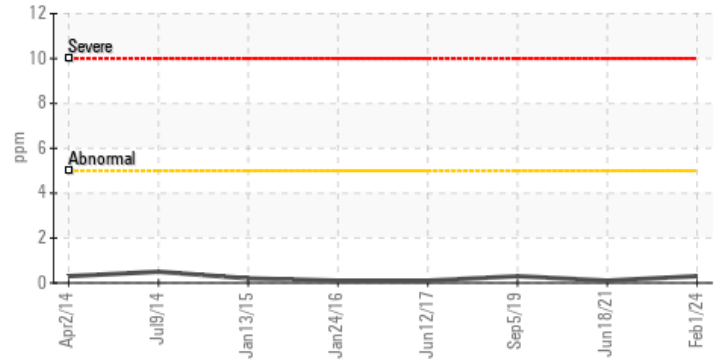
### Lead (ppm)



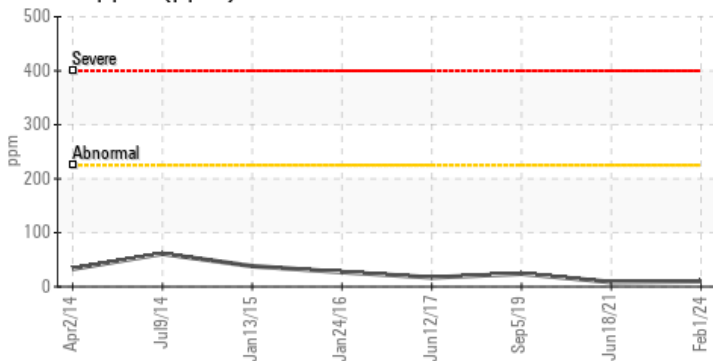
### Aluminum (ppm)



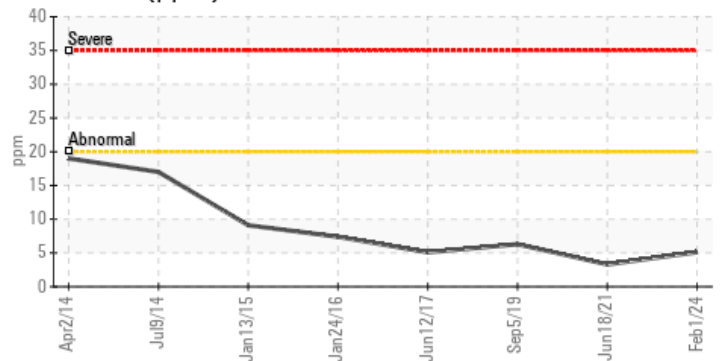
### Chromium (ppm)



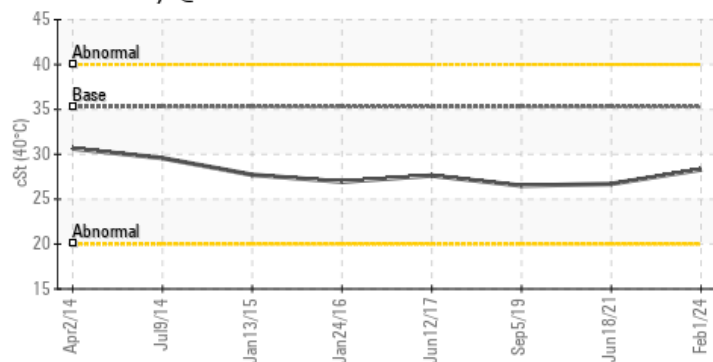
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

