



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 353131 - TRANSMISSION (AUTO)



**Sample No:** VCP385282  
**Oil Type:** VOLVO AT 102  
**Job No:**



**ALTA EQUIPMENT COMPANY**  
 5151 DR MARTIN LUTHER KING BLVD  
 FORT MYERS, FL  
 US 33905  
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### SAMPLE INFORMATION

Sample Number	VCP385282	---	---	---
Sample Date	28 Sep 2023	---	---	---
Machine Hours	2371	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### OIL CONDITION

Visc @ 40°C	cSt	■ 28.1	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 8	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ <1	---	---	---

### WEAR METALS

Iron	ppm	■ 37	---	---	---
Copper	ppm	■ 11	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 2	---	---	---
Aluminum	ppm	■ 18	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	0	---	---	---

### ADDITIVES

Calcium	ppm	■ 73	---	---	---
Magnesium	ppm	■ 3	---	---	---
Zinc	ppm	■ 0	---	---	---
Phosphorus	ppm	■ 182	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 72	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. Resample at the next service interval to monitor. High concentration of visible metal present. 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:** VOLVO0090  
**Unique No:** 10673282  
**Signed:** Don Baldrige  
**Report Date:** 04 Oct 2023

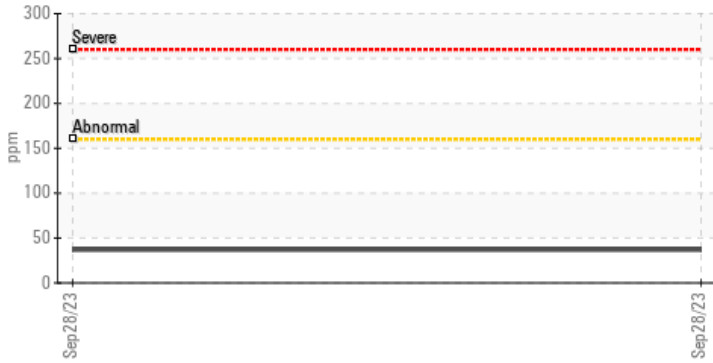


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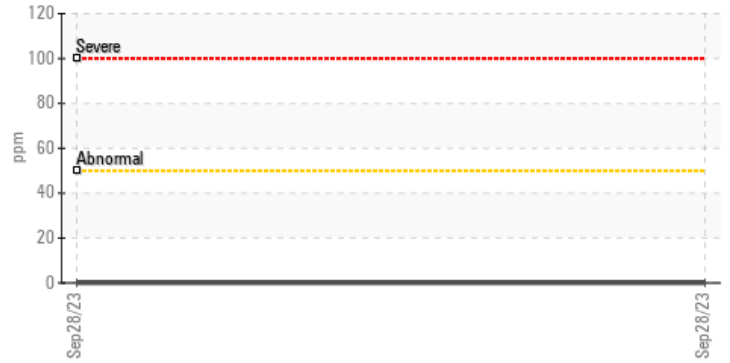


## GRAPHS

### Iron (ppm)



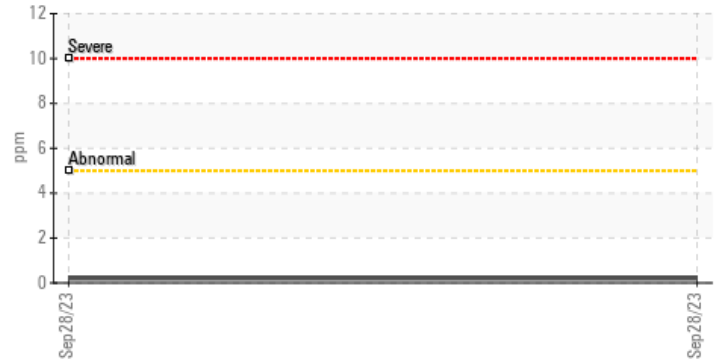
### Lead (ppm)



### Aluminum (ppm)



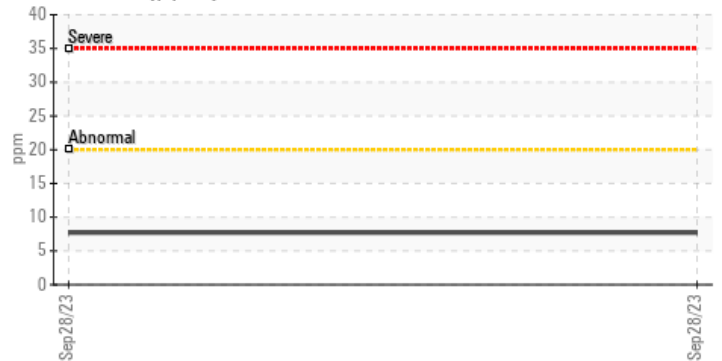
### Chromium (ppm)



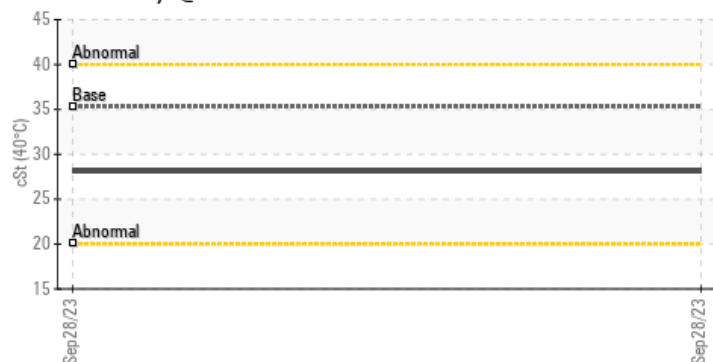
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

