



# CONSTRUCTION EQUIPMENT

## VOLVO A45G 353457 - TRANSMISSION (AUTO)



**Sample No:** VCP430569  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP430569	---	---	---
Sample Date	29 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### COWIN EQUIPMENT COMPANY

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US 36108  
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### OIL CONDITION

Visc @ 40°C	cSt	■ 28.5	---	---	---
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### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	▲ 27	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---



### WEAR METALS

Iron	ppm	■ 45	---	---	---
Copper	ppm	■ 19	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 4	---	---	---
Aluminum	ppm	■ 29	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ 3	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 9	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	■ 88	---	---	---
Magnesium	ppm	■ 2	---	---	---
Zinc	ppm	0	---	---	---
Phosphorus	ppm	■ 214	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 75	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of metal. We recommend an early resample to monitor this condition. High concentration of visible metal present. All component wear rates are normal. Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material. The condition of the fluid is acceptable for the time in service.

**Depot:** VOLVO8532  
**Unique No:** 10872555  
**Signed:** Don Baldrige  
**Report Date:** 12 Feb 2024

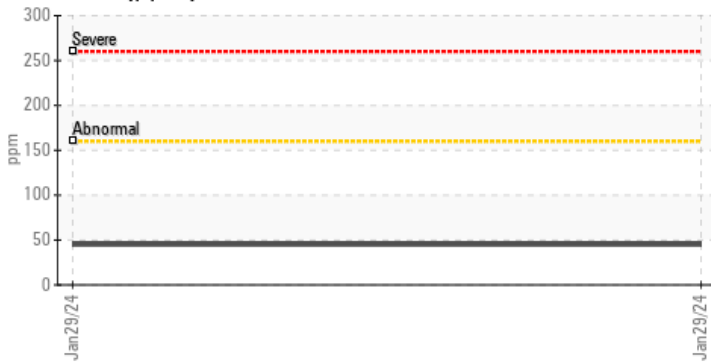


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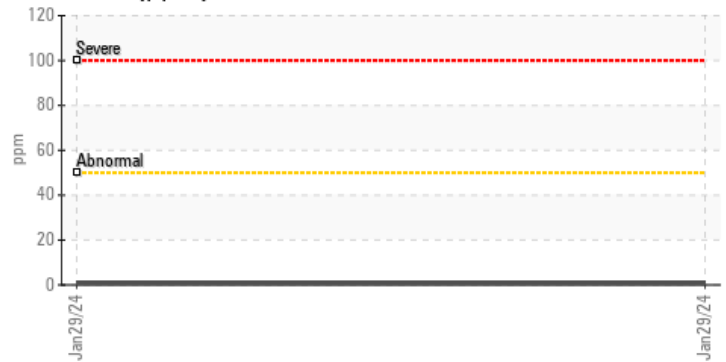


## GRAPHS

### Iron (ppm)



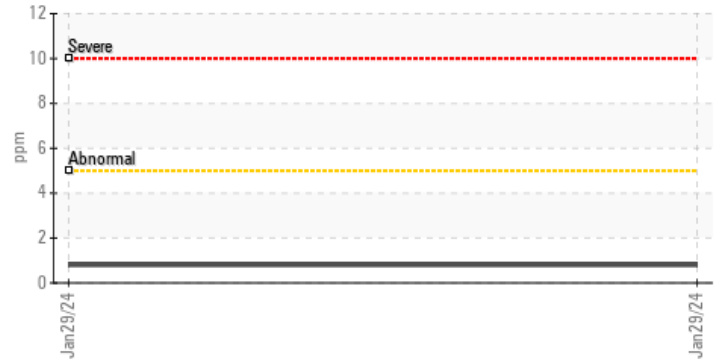
### Lead (ppm)



### Aluminum (ppm)



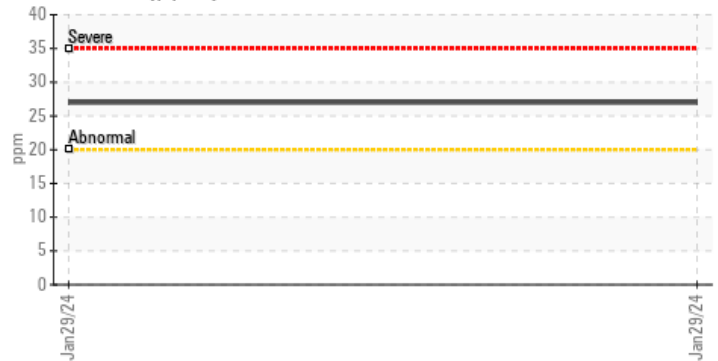
### Chromium (ppm)



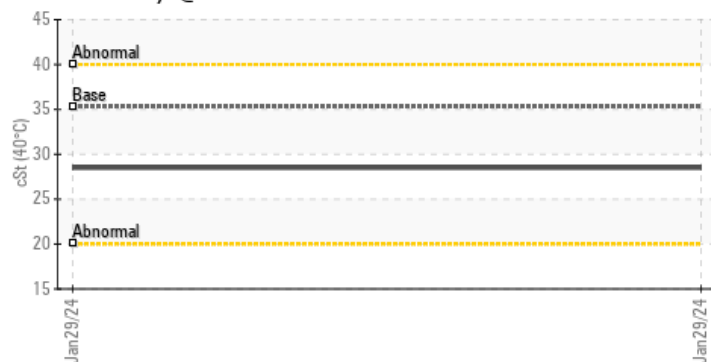
### Copper (ppm)



### ▲ Silicon (ppm)



### Viscosity @ 40°C



### Additives

