



# CONSTRUCTION EQUIPMENT

RS0036490 VOLVO L180H 5355 - TRANSMISSION



**Sample No:** VCP430863  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** RS0036490



## SAMPLE INFORMATION

Sample Number	VCP430863	---	---	---
Sample Date	18 Dec 2023	---	---	---
Machine Hours	4057	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

### COWIN EQUIPMENT COMPANY

7950 PITTMAN AVE  
 PENSACOLA, FL  
 US 32534

Contact: HUGH DOBBS  
 HDOBBS@COWIN.COM  
 T: (850)479-3004  
 F: (850)474-1602



## OIL CONDITION

Visc @ 40°C	cSt	█ 26.5	---	---	---
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## CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	█ 8	---	---	---
Sodium	ppm	█ 6	---	---	---
Potassium	ppm	█ 2	---	---	---



## WEAR METALS

Iron	ppm	● 251	---	---	---
Copper	ppm	█ 10	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 2	---	---	---
Chromium	ppm	█ 3	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 8	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	█ 83	---	---	---
Magnesium	ppm	█ <1	---	---	---
Zinc	ppm	12	---	---	---
Phosphorus	ppm	█ 164	---	---	---
Barium	ppm	█ 3	---	---	---
Boron	ppm	█ 58	---	---	---

## Diagnosis

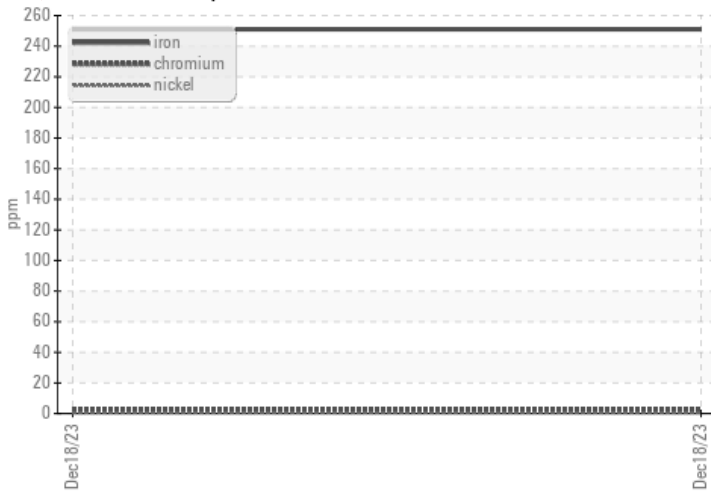
Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the fluid. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLV08247  
**Unique No:** 10804226  
**Signed:** Jonathan Hester  
**Report Date:** 27 Dec 2023

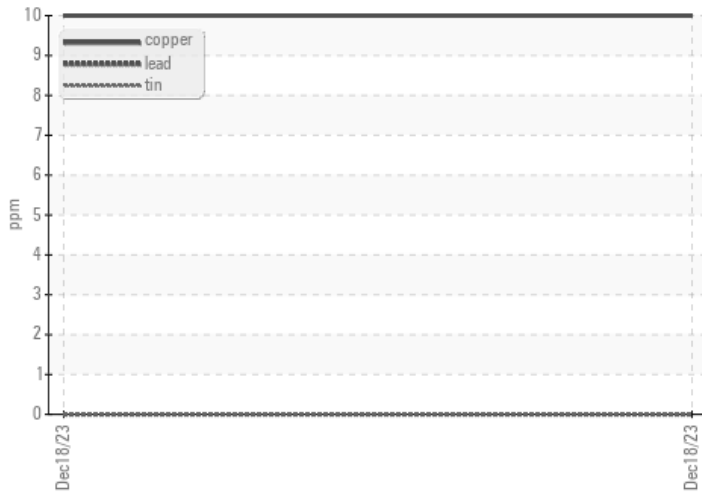


## GRAPHS

### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C

