



# CONSTRUCTION EQUIPMENT

339 WM VOLVO L90H 624679 - TRANSMISSION (AUTO)



**Sample No:** VCP419378  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 339 WM



## SAMPLE INFORMATION

Sample Number	VCP419378	---	---	---
Sample Date	22 May 2023	---	---	---
Machine Hours	8645	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

### VCES- VOLVO CONSTRUCTION EQUIPMENT

8594 FRUITRIDGE ROAD  
 SACRAMENTO, CA  
 US 95826

Contact: RAY KRANZUSCH  
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T:  
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## OIL CONDITION

Visc @ 40°C	cSt	■ 26.8	---	---	---
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## CONTAMINATION

Silicon	ppm	◆ 48	---	---	---
Sodium	ppm	■ 5	---	---	---
Potassium	ppm	■ 2	---	---	---



## WEAR METALS

Iron	ppm	▲ 186	---	---	---
Copper	ppm	■ 26	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 1	---	---	---
Aluminum	ppm	◆ 393	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 3	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ 3	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	■ 139	---	---	---
Magnesium	ppm	34	---	---	---
Zinc	ppm	■ 65	---	---	---
Phosphorus	ppm	■ 210	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 72	---	---	---

## Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the fluid and perform a filter service on this component if not already done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is abnormal. Moderate concentration of visible metal present. Clutch or torque converter wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. The fluid is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** VOLVO4485  
**Unique No:** 10484566  
**Signed:** Don Baldrige  
**Report Date:** 25 May 2023



# CONSTRUCTION EQUIPMENT



## GRAPHS

