



# CONSTRUCTION EQUIPMENT

377609 TITAN AMERICA VOLVO L90H 626197 - TRANSMISSION (AUTO)



**Sample No:** VCP433325  
**Oil Type:** VOLVO AUTOMATIC TRANSMISSION FLUID AT102  
**Job No:** 377609 TITAN AMERICA



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## SAMPLE INFORMATION

Sample Number	VCP433325	VCP420270	---	---
Sample Date	05 Oct 2023	13 Apr 2023	---	---
Machine Hours	4129	2813	---	---
Oil Hours	4129	2813	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 27.9	█ 28.0	---	---
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## CONTAMINATION

Silicon	ppm	█ 10	█ 10	---	---
Sodium	ppm	█ 5	█ 5	---	---
Potassium	ppm	█ <1	█ 2	---	---



## WEAR METALS

Iron	ppm	█ 136	█ 131	---	---
Copper	ppm	█ 10	█ 10	---	---
Lead	ppm	█ 0	█ 0	---	---
Tin	ppm	█ 0	█ 0	---	---
Aluminum	ppm	█ 0	█ 1	---	---
Chromium	ppm	█ 0	█ <1	---	---
Molybdenum	ppm	█ 0	█ <1	---	---
Nickel	ppm	█ 0	█ <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	█ 0	█ 0	---	---
Manganese	ppm	█ 7	█ 8	---	---
Vanadium	ppm	0	0	---	---



## ADDITIVES

Calcium	ppm	77	█ 78	---	---
Magnesium	ppm	█ <1	█ 3	---	---
Zinc	ppm	█ 38	█ 32	---	---
Phosphorus	ppm	█ 206	█ 212	---	---
Barium	ppm	█ <1	█ 0	---	---
Boron	ppm	█ 73	█ 81	---	---

## 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.

**Depot:** VOLVO0093  
**Unique No:** 10738497  
**Signed:** Wes Davis  
**Report Date:** 13 Nov 2023

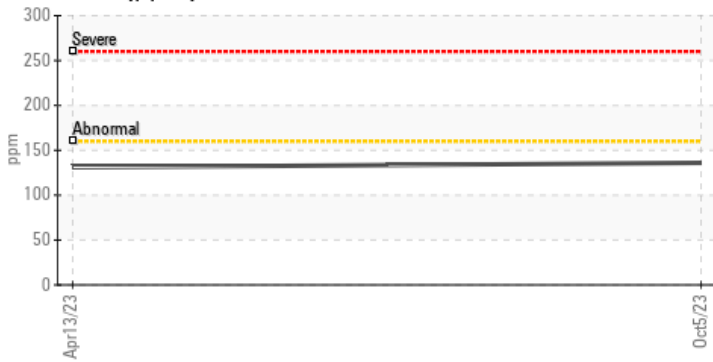


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## GRAPHS

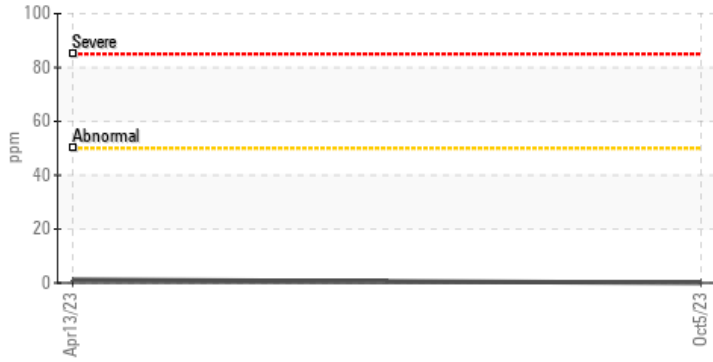
### Iron (ppm)



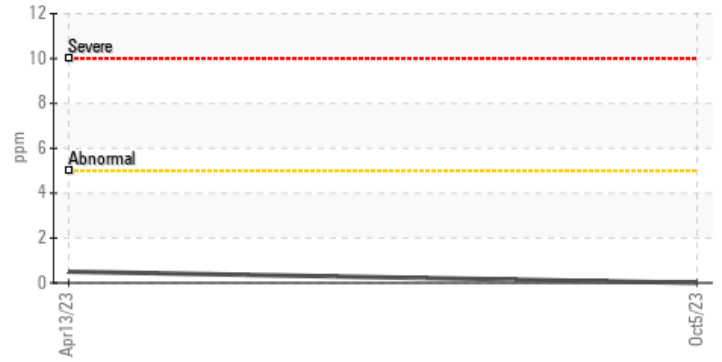
### Lead (ppm)



### Aluminum (ppm)



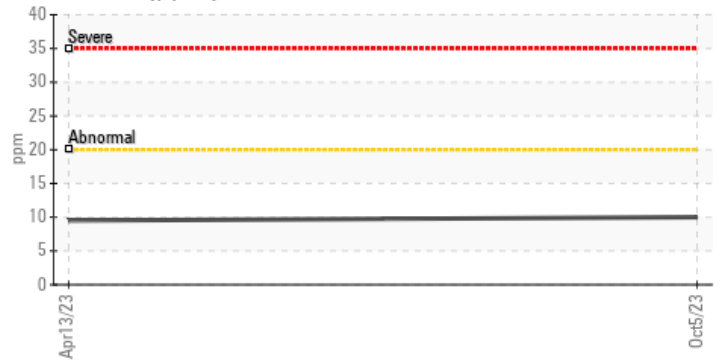
### Chromium (ppm)



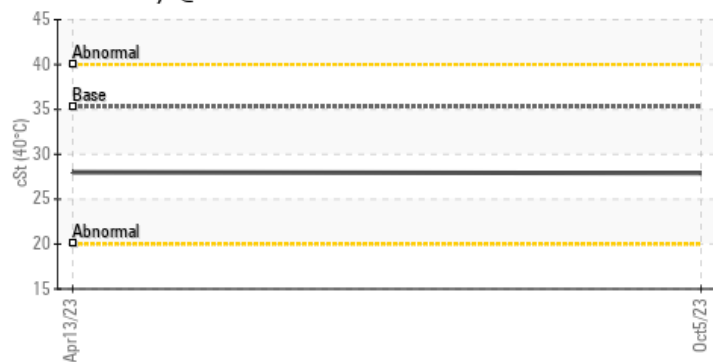
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

