



# CONSTRUCTION EQUIPMENT

W07013042 VOLVO L90H 624937 - TRANSMISSION



**Sample No:** VCP407971  
**Oil Type:** MOBIL ATF 102  
**Job No:** W07013042



**McClung-Logan Virginia LLC- RICHMOND**  
1345 MOUNTAIN ROAD  
GLEN ALLEN, VA  
US 23060  
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## SAMPLE INFORMATION

Sample Number	VCP407971	---	---	---
Sample Date	31 Aug 2023	---	---	---
Machine Hours	4797	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 26.4	---	---	---
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## CONTAMINATION

Silicon	ppm	█ 11	---	---	---
Sodium	ppm	█ 7	---	---	---
Potassium	ppm	█ 3	---	---	---



## WEAR METALS

Iron	ppm	▲ 159	---	---	---
Copper	ppm	█ 9	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 6	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	13	---	---	---
Vanadium	ppm	<1	---	---	---



## ADDITIVES

Calcium	ppm	90	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	52	---	---	---
Phosphorus	ppm	180	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	50	---	---	---

## Diagnosis

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other 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:** VOLVO8882  
**Unique No:** 10646928  
**Signed:** Don Baldrige  
**Report Date:** 19 Sep 2023

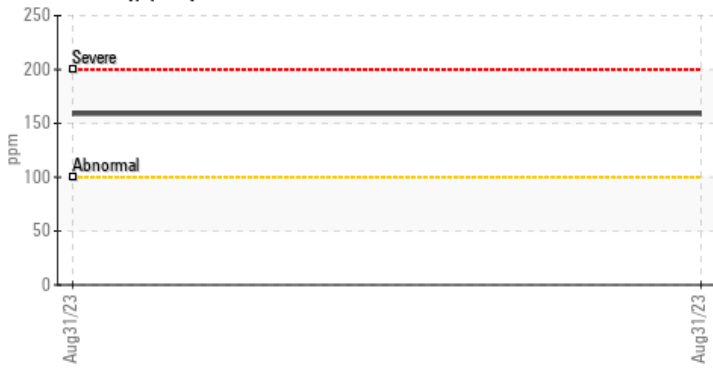


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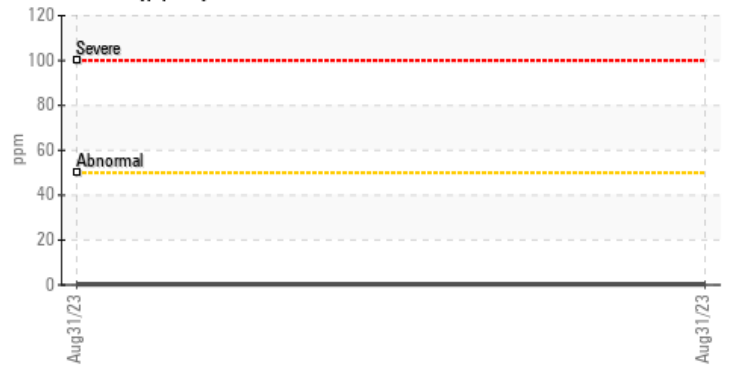


## GRAPHS

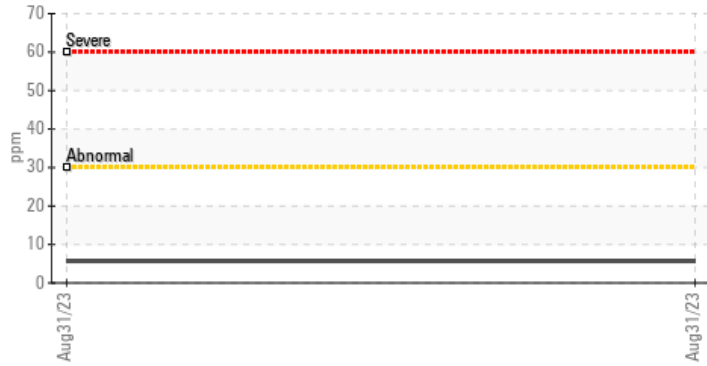
### ▲ Iron (ppm)



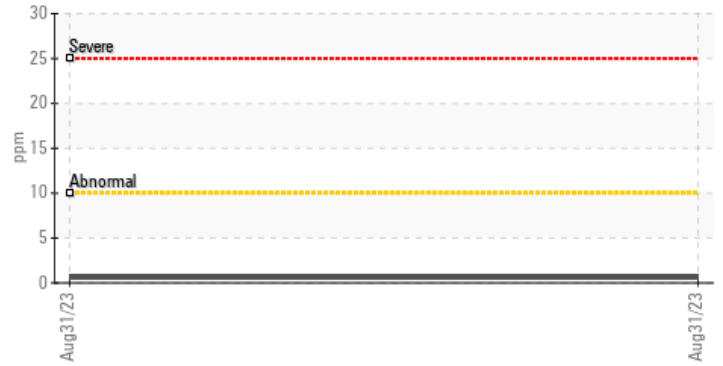
### Lead (ppm)



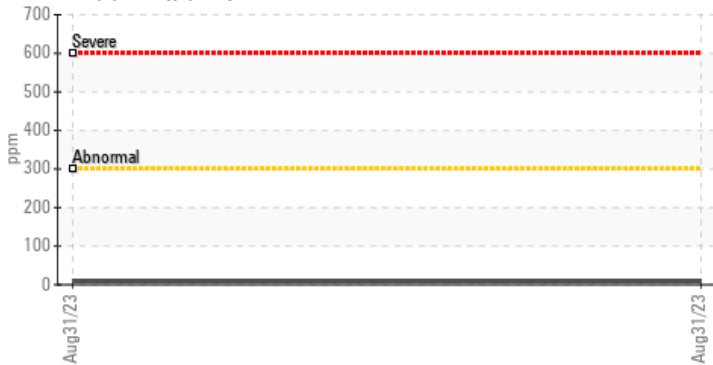
### Aluminum (ppm)



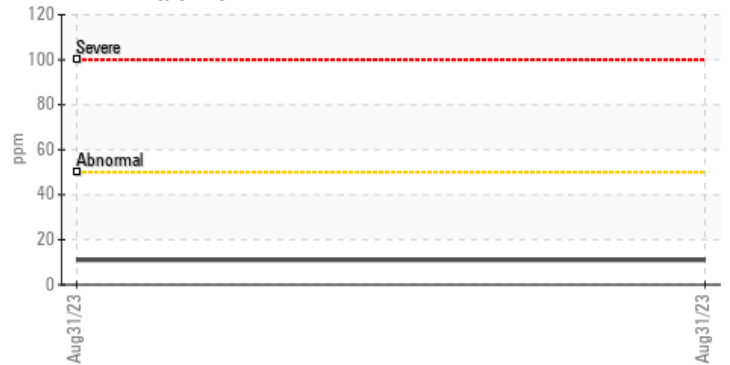
### Chromium (ppm)



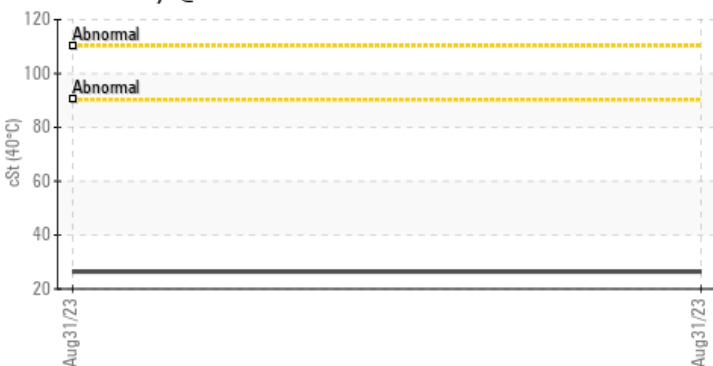
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

