



# CONSTRUCTION EQUIPMENT

## SWO472702 RANGO VOLVO A60H 350088 - TRANSMISSION



**Sample No:** VCP219770  
**Oil Type:** NOT GIVEN  
**Job No:** SWO472702 RANGO



### SAMPLE INFORMATION

Sample Number	VCP219770	---	---	---
Sample Date	25 Aug 2020	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

**ALTA CONSTRUCTION EQUIPMENT**  
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T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	■ 97.0	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 13	---	---	---
Sodium	ppm	■ 35	---	---	---
Potassium	ppm	■ 6	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	■ 17	---	---	---
Copper	ppm	▲ 221	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 5	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	179	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	■ 54	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	1505	---	---	---
Magnesium	ppm	770	---	---	---
Zinc	ppm	956	---	---	---
Phosphorus	ppm	892	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	236	---	---	---

**Depot:** VOLVO5055  
**Unique No:** 9156091  
**Signed:** Don Baldrige  
**Report Date:** 02 Sep 2020



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## GRAPHS

### Iron (ppm)



### Lead (ppm)



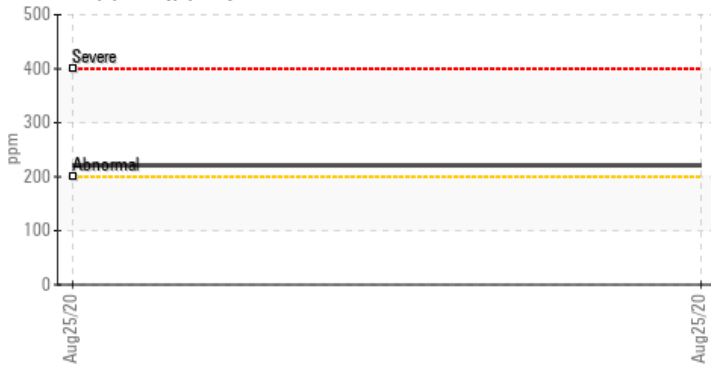
### Aluminum (ppm)



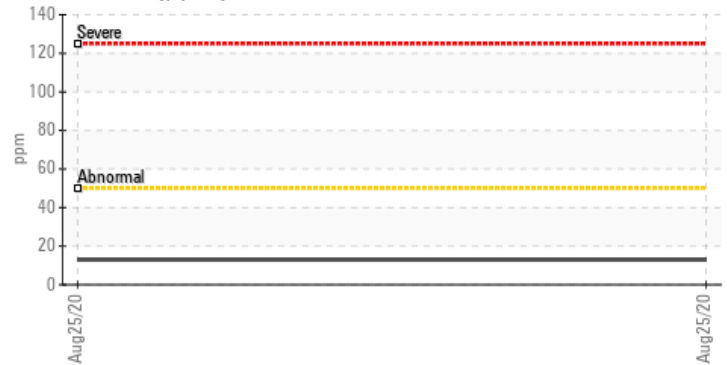
### Chromium (ppm)



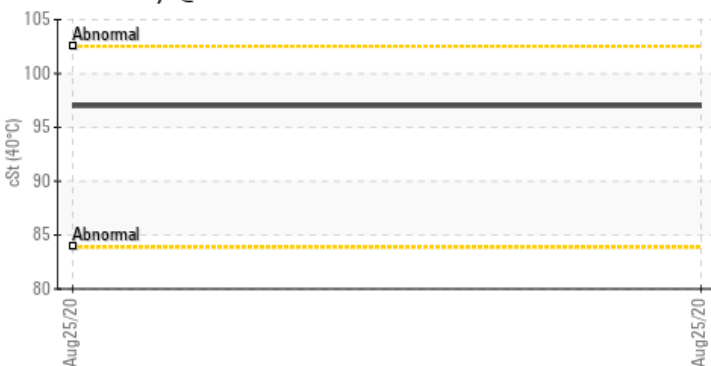
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

