



# CONSTRUCTION EQUIPMENT

## SWA311351 RANGO VOLVO A60H 350070 - TRANSMISSION



**Sample No:** VCP409478  
**Oil Type:** DIESEL ENGINE OIL SAE 15W40  
**Job No:** SWA311351 RANGO



### SAMPLE INFORMATION

Sample Number	VCP409478	---	---	---
Sample Date	21 Jul 2023	---	---	---
Machine Hours	11816	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	■ 75.0	---	---	---
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### CONTAMINATION

Silicon	ppm	■ 9	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 3	---	---	---

### Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Moderate concentration of visible metal present. 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.



### WEAR METALS

Iron	ppm	■ 26	---	---	---
Copper	ppm	■ 19	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 2	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	■ 59	---	---	---
Nickel	ppm	■ 2	---	---	---
Titanium	ppm	■ <1	---	---	---
Silver	ppm	■ 98	---	---	---
Manganese	ppm	■ 2	---	---	---
Vanadium	ppm	■ 0	---	---	---



### ADDITIVES

Calcium	ppm	■ 1282	---	---	---
Magnesium	ppm	■ 826	---	---	---
Zinc	ppm	■ 1179	---	---	---
Phosphorus	ppm	■ 1066	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 28	---	---	---

**Depot:** VOLVO5055  
**Unique No:** 10589886  
**Signed:** Jonathan Hester  
**Report Date:** 09 Aug 2023

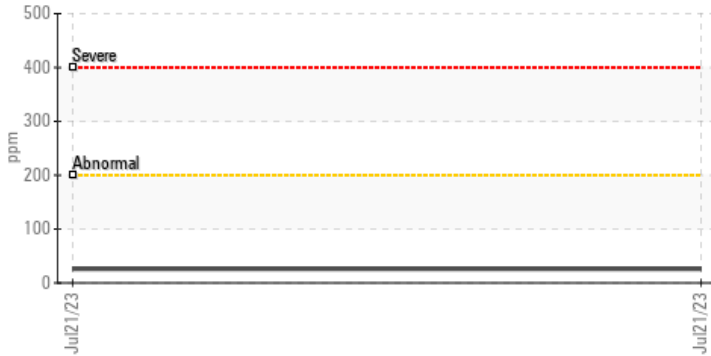


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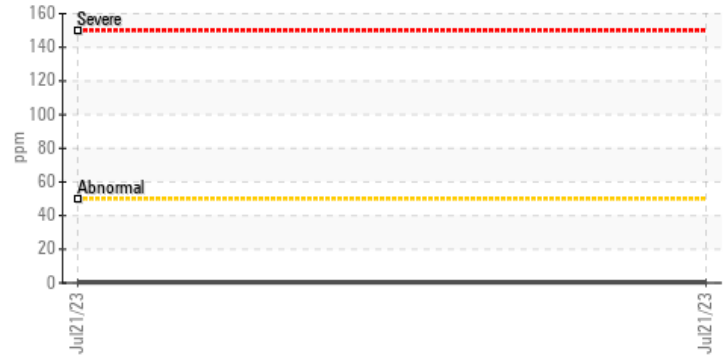


## GRAPHS

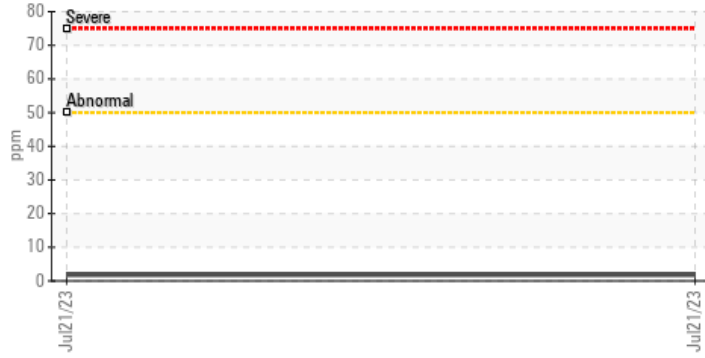
### Iron (ppm)



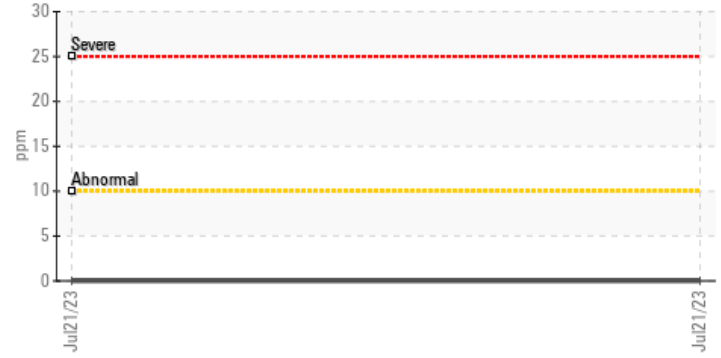
### Lead (ppm)



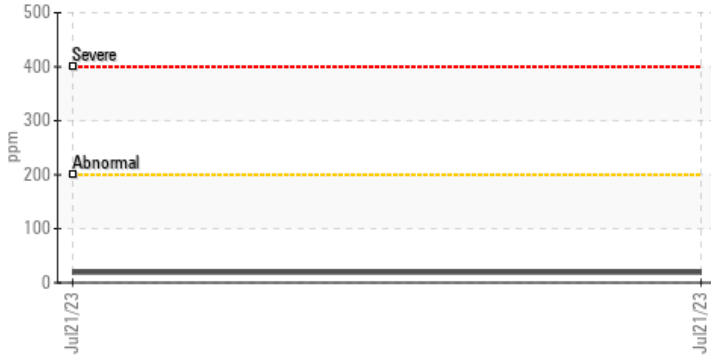
### Aluminum (ppm)



### Chromium (ppm)



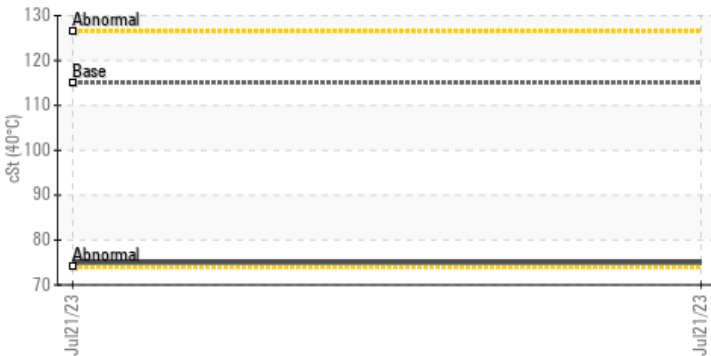
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

