



# CONSTRUCTION EQUIPMENT

## SWA311337 RANJO VOLVO A60H 350076 - HYDRAULIC SYSTEM



**Sample No:** VCP409481  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SWA311337 RANJO



### SAMPLE INFORMATION

Sample Number	VCP409481	---	---	---
Sample Date	04 Aug 2023	---	---	---
Machine Hours	9578	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

**ALTA CONSTRUCTION EQUIPMENT**  
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T:  
F:



### OIL CONDITION

Visc @ 40°C	cSt	█ 42.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.39	---	---	---



### CONTAMINATION

Particles >4µm		█ 1185	---	---	---
Particles >6µm		█ 279	---	---	---
Particles >14µm		█ 16	---	---	---
ISO 4406:1999 (c)		17/15/11	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	█ 3	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 51	---	---	---
Magnesium	ppm	█ 7	---	---	---
Zinc	ppm	█ 368	---	---	---
Phosphorus	ppm	█ 298	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO5055  
**Unique No:** 10603277  
**Signed:** Wes Davis  
**Report Date:** 15 Aug 2023

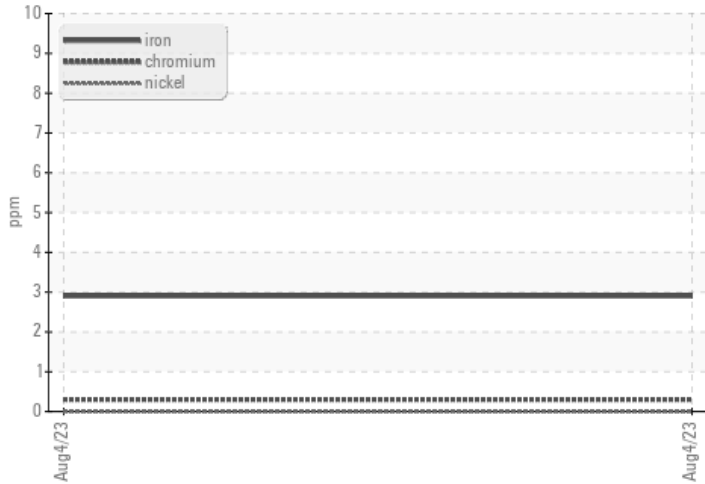


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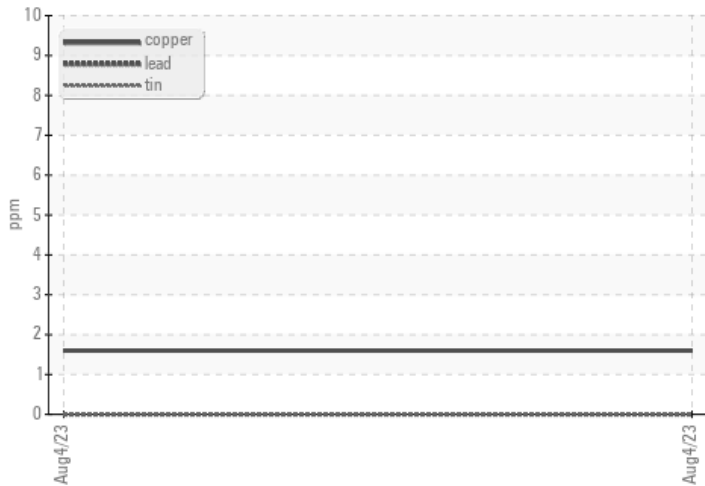


## VOLVO GRAPHS

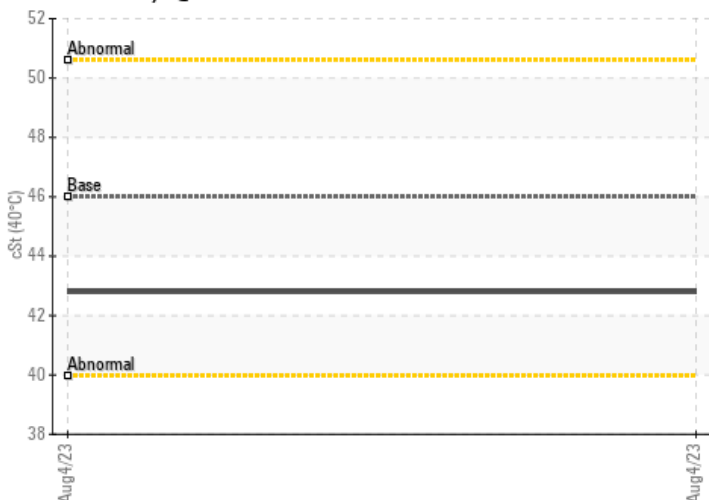
Ferrous Alloys



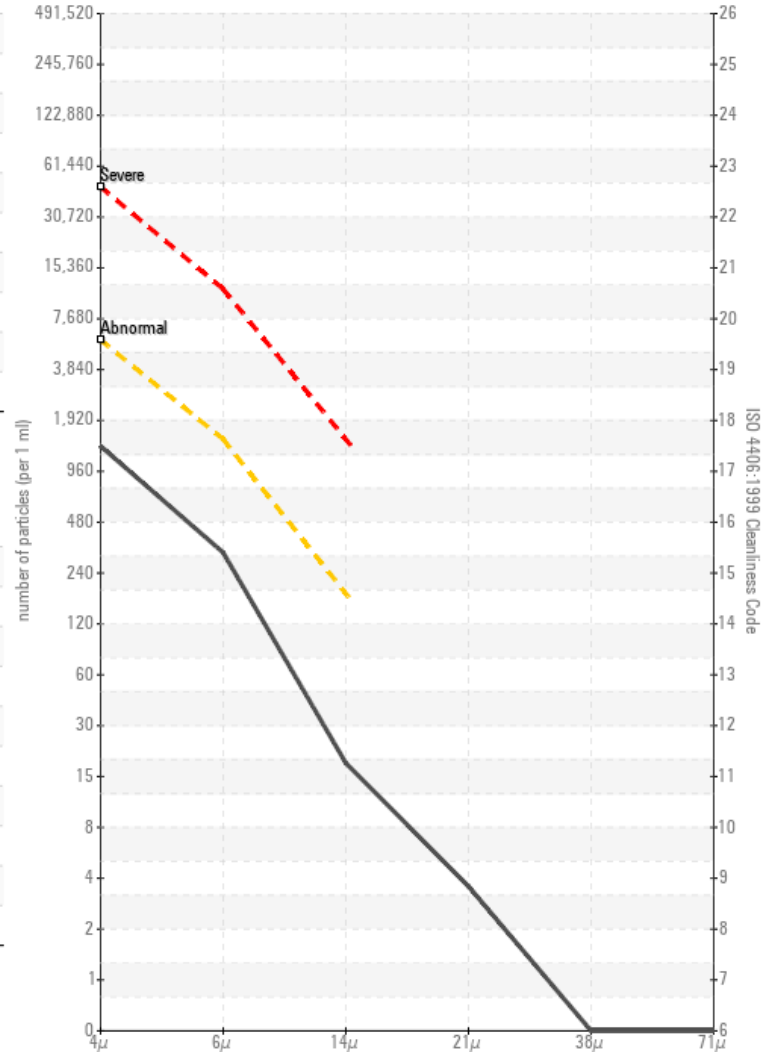
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

