



# CONSTRUCTION EQUIPMENT

## VOLVO L220H 2890 - HYDRAULIC SYSTEM



**Sample No:** VCP408109  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:**



### SAMPLE INFORMATION

Sample Number	VCP408109	---	---	---
Sample Date	05 Jul 2023	---	---	---
Machine Hours	10844	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

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 FORT WORTH, TX  
 US 76106  
 Contact: CHRIS BITNER  
 CBitner@romco.com  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 43.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.36	---	---	---



### CONTAMINATION

Particles >4µm		█ 2397	---	---	---
Particles >6µm		█ 620	---	---	---
Particles >14µm		█ 70	---	---	---
ISO 4406:1999 (c)		█ 18/16/13	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 4	---	---	---
Potassium	ppm	█ 1	---	---	---

### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) AW HYDRAULIC OIL ISO 46. Please confirm.  
 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	█ 5	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	█ 0	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	█ <1	---	---	---



### ADDITIVES

Calcium	ppm	█ 51	---	---	---
Magnesium	ppm	█ 3	---	---	---
Zinc	ppm	█ 402	---	---	---
Phosphorus	ppm	█ 336	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 0	---	---	---

**Depot:** VOLVO0081  
**Unique No:** 10547065  
**Signed:** Wes Davis  
**Report Date:** 07 Jul 2023

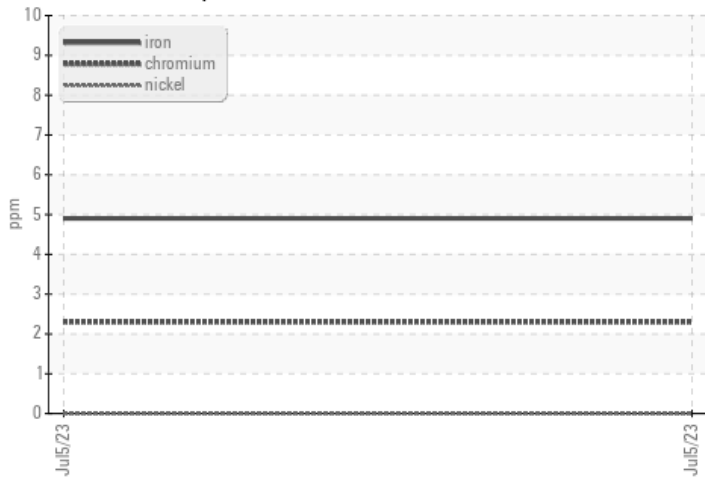


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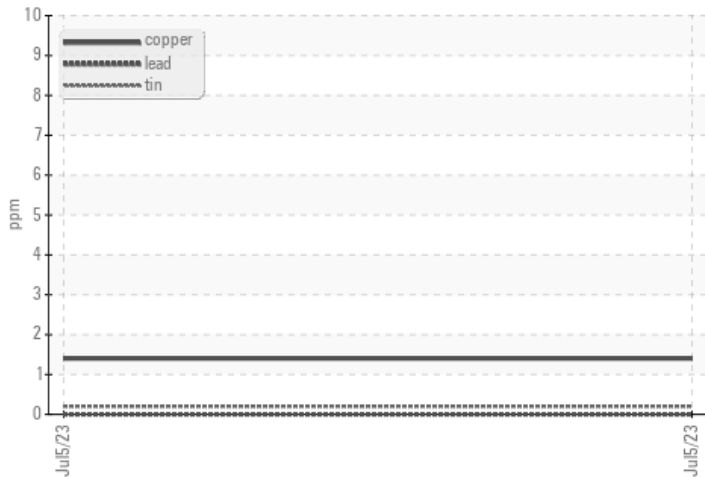


## GRAPHS

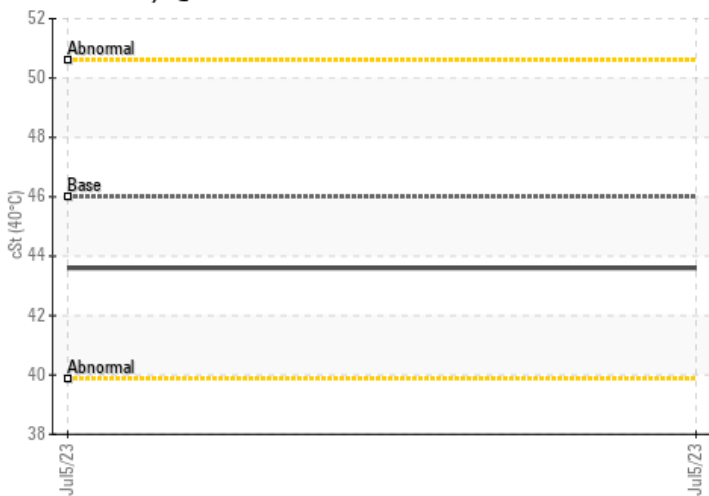
### Ferrous Alloys



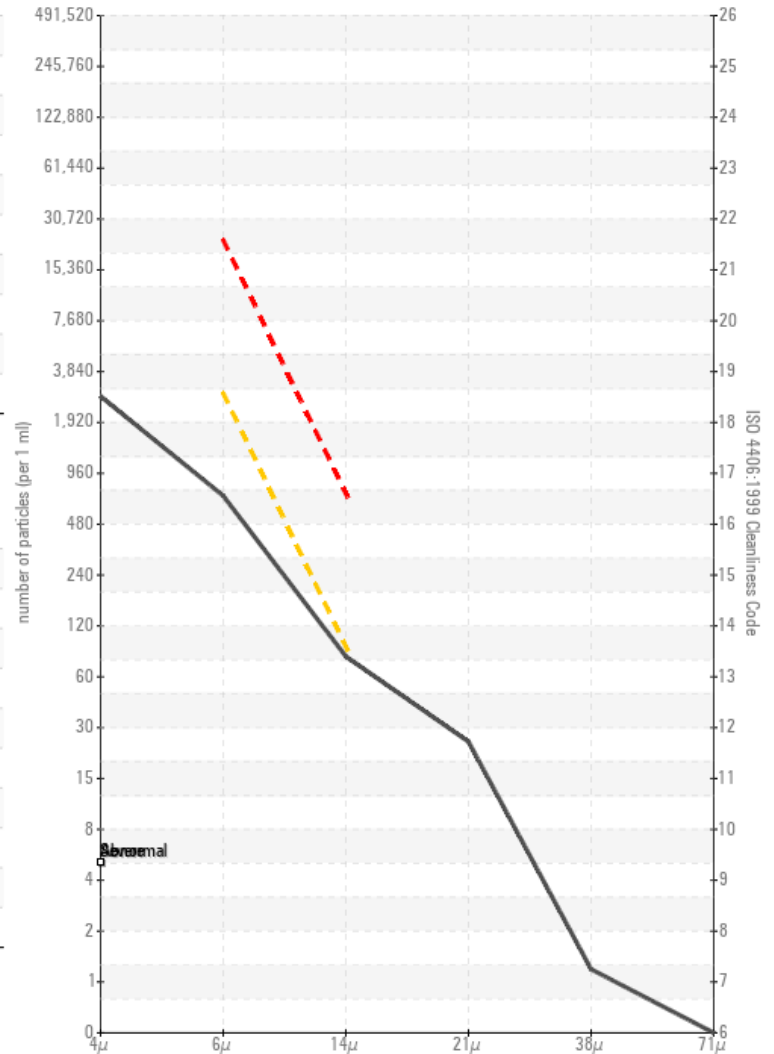
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

