



# CONSTRUCTION EQUIPMENT

## SW1022211 VOLVO EC550E 310081 - HYDRAULIC SYSTEM



**Sample No:** VCP409770  
**Oil Type:** NOT GIVEN  
**Job No:** SW1022211



### SAMPLE INFORMATION

Sample Number	VCP409770	---	---	---
Sample Date	28 Jul 2023	---	---	---
Machine Hours	780	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

**ARNOLD MACHINERY COMPANY**  
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### OIL CONDITION

Visc @ 40°C	cSt	█ 41.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.50	---	---	---



### CONTAMINATION

Particles >4µm		█ 7662	---	---	---
Particles >6µm		█ 793	---	---	---
Particles >14µm		█ 12	---	---	---
ISO 4406:1999 (c)		20/17/11	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ <1	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.No visible metal present. All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are 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	█ 13	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



### ADDITIVES

Calcium	ppm	94	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	564	---	---	---
Phosphorus	ppm	421	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

**Depot:** VOLVO6174  
**Unique No:** 10588631  
**Signed:** Doug Bogart  
**Report Date:** 07 Aug 2023

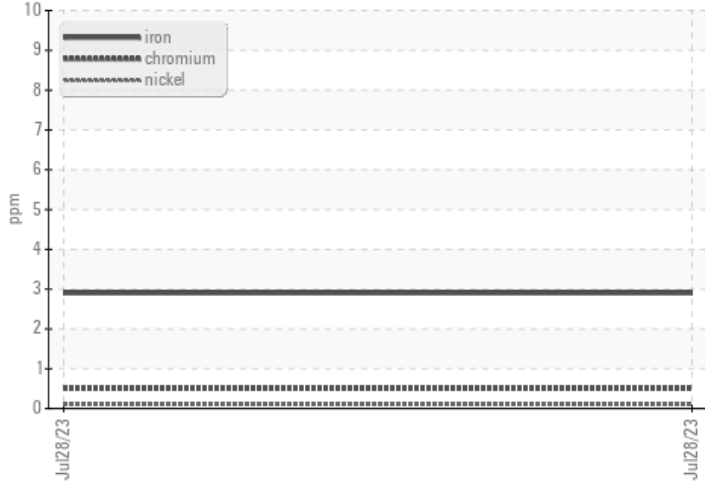


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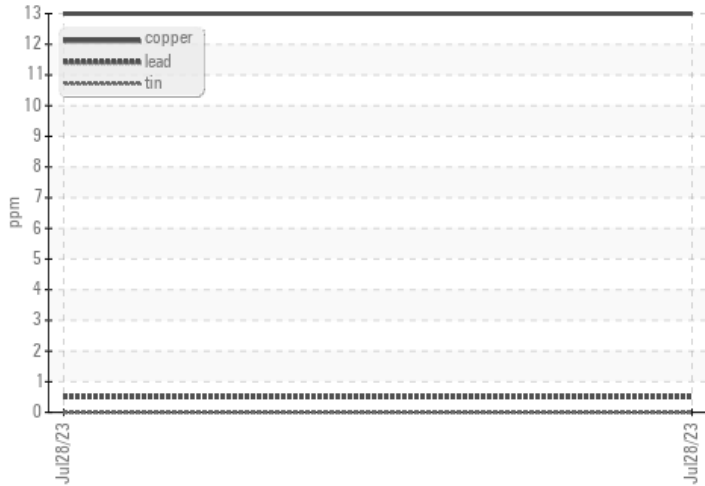


## GRAPHS

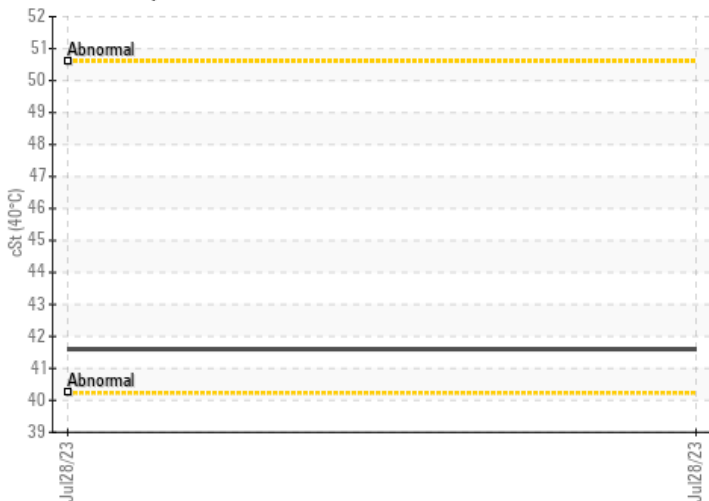
### Ferrous Alloys



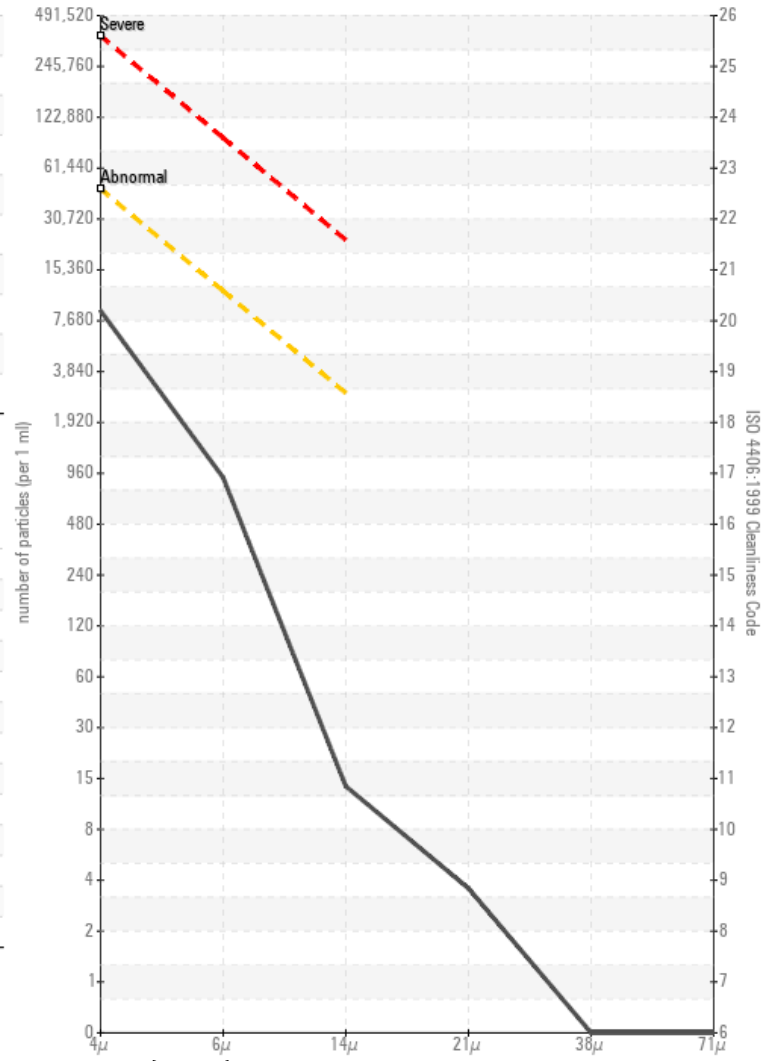
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

