



# CONSTRUCTION EQUIPMENT

717008 SOUTHLAND VOLVO A25G 752245 (S/N 742245) - HYDRAULIC SYSTEM



**Sample No:** VCP450729  
**Oil Type:** VOLVO AT 102  
**Job No:** 717008 SOUTHLAND



**ALTA EQUIPMENT COMPANY**  
5210 REESE ROAD  
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US 33314  
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## SAMPLE INFORMATION

Sample Number	VCP450729	---	---	---
Sample Date	22 May 2024	---	---	---
Machine Hours	5245	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	█ 42.3	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.31	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		█ 20633	---	---	---
Particles >6µm		● 5741	---	---	---
Particles >14µm		▲ 353	---	---	---
ISO 4406:1999 (c)		22/20/16	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---



## WEAR METALS

Iron	ppm	█ 9	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	█ 0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	█ 64	---	---	---
Magnesium	ppm	█ 5	---	---	---
Zinc	ppm	█ 413	---	---	---
Phosphorus	ppm	█ 332	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 0	---	---	---

## Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

**Depot:** VOLVO0095  
**Unique No:** 11048867  
**Signed:** Angela Borella  
**Report Date:** 30 May 2024

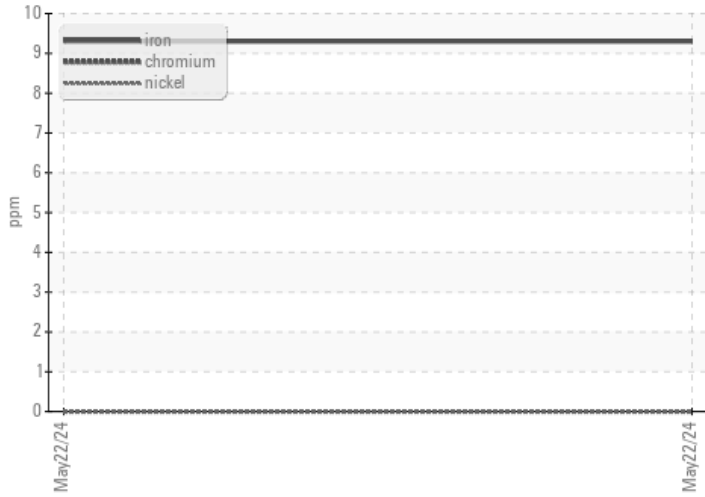


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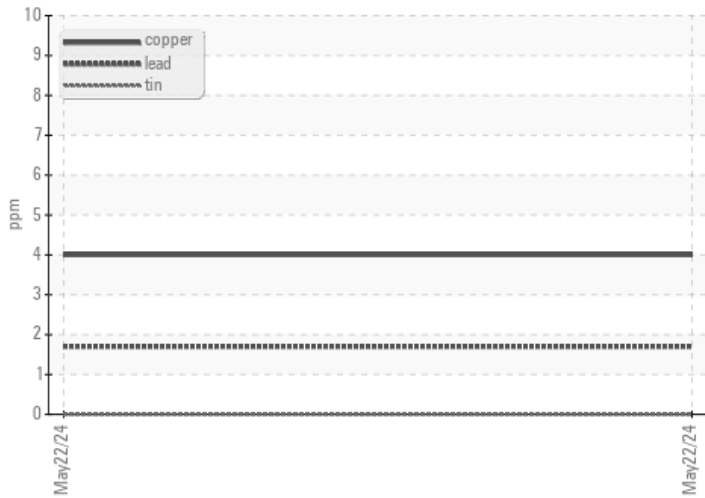


## GRAPHS

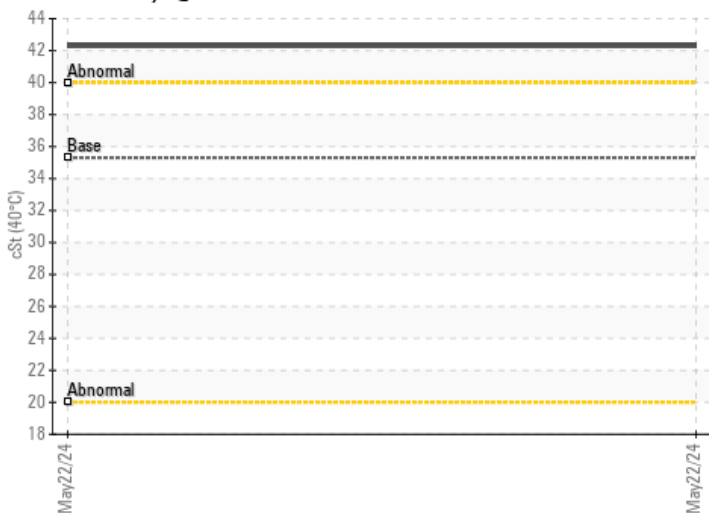
### Ferrous Alloys



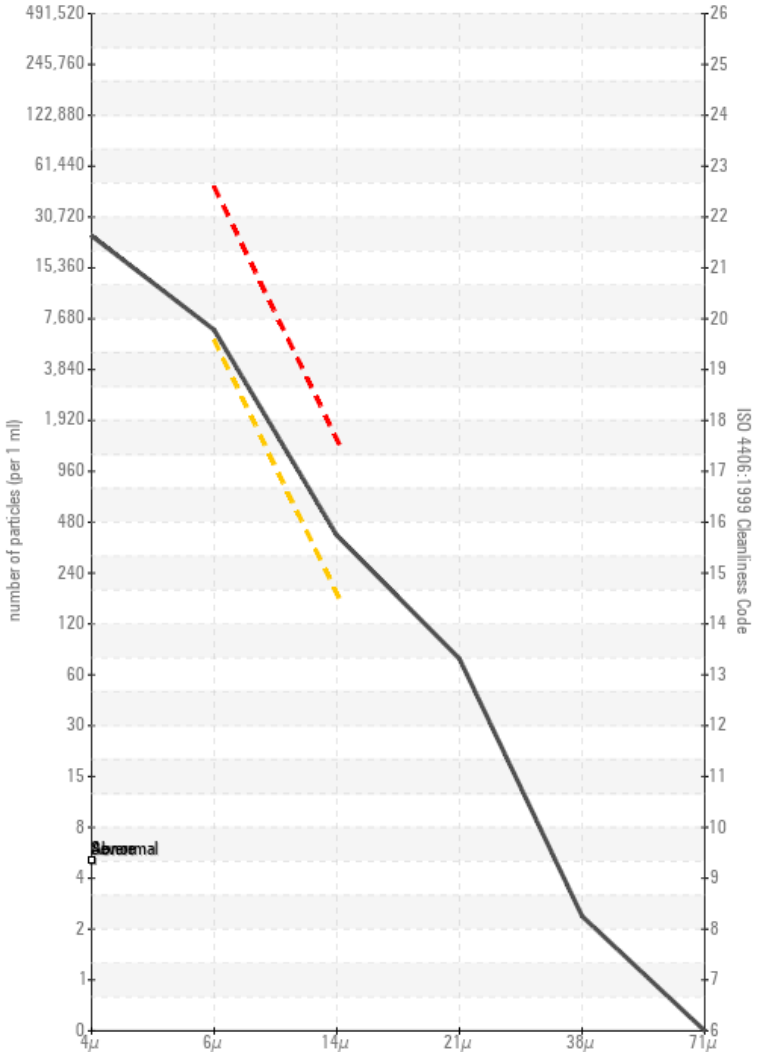
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

