



# CONSTRUCTION EQUIPMENT

367252 ALTER SENNEBOGEN 835 835.0.2949 - HYDRAULIC SYSTEM



**Sample No:** VCP396388  
**Oil Type:** SENNEBOGEN/MAYBE SHELL ISO 46  
**Job No:** 367252 ALTER



## SAMPLE INFORMATION

Sample Number	VCP396388	---	---	---
Sample Date	10 Oct 2023	---	---	---
Machine Hours	4362	---	---	---
Oil Hours	4362	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

**ALTA EQUIPMENT COMPANY**  
1035 WYLIE DRIVE  
BLOOMINGTON, IL  
US 61705  
Contact: JUSTIN PERRY  
justin.perry@altg.com  
T: (309)533-9285  
F:

## OIL CONDITION

Visc @ 40°C	cSt	▲ 33.16	---	---	---
Acid Number (AN)	mg KOH/g	■ 0.99	---	---	---

## CONTAMINATION

Particles >4µm		■ 1049	---	---	---
Particles >6µm		■ 370	---	---	---
Particles >14µm		■ 51	---	---	---
ISO 4406:1999 (c)		17/16/13	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 7	---	---	---
Potassium	ppm	■ 0	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. 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. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

## WEAR METALS

Iron	ppm	■ 7	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ <1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	1197	---	---	---
Magnesium	ppm	8	---	---	---
Zinc	ppm	679	---	---	---
Phosphorus	ppm	562	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

**Depot:** VOLVO5054  
**Unique No:** 10699625  
**Signed:** Jonathan Hester  
**Report Date:** 24 Oct 2023

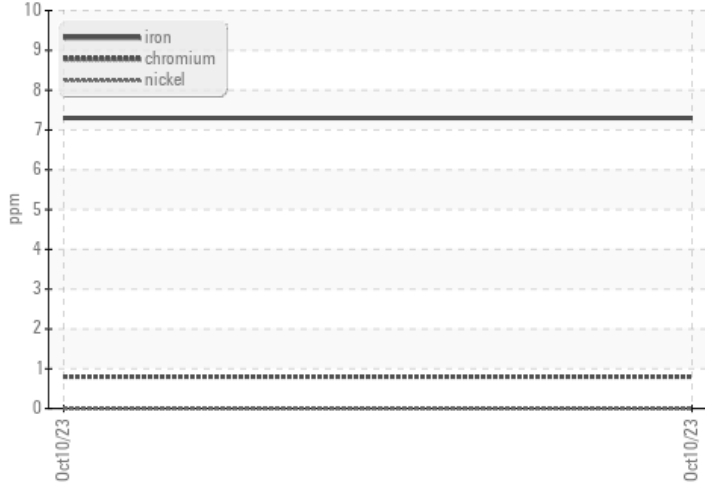


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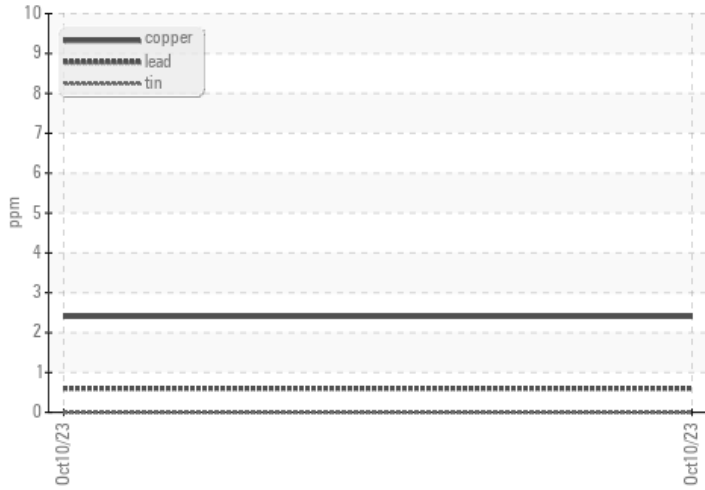


## GRAPHS

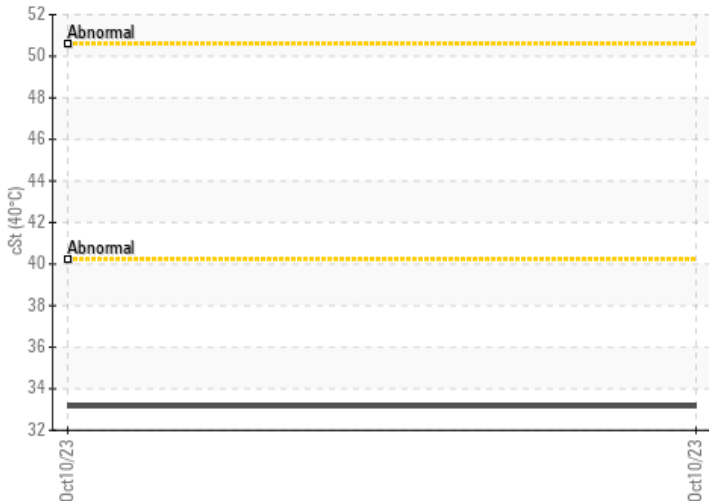
### Ferrous Alloys



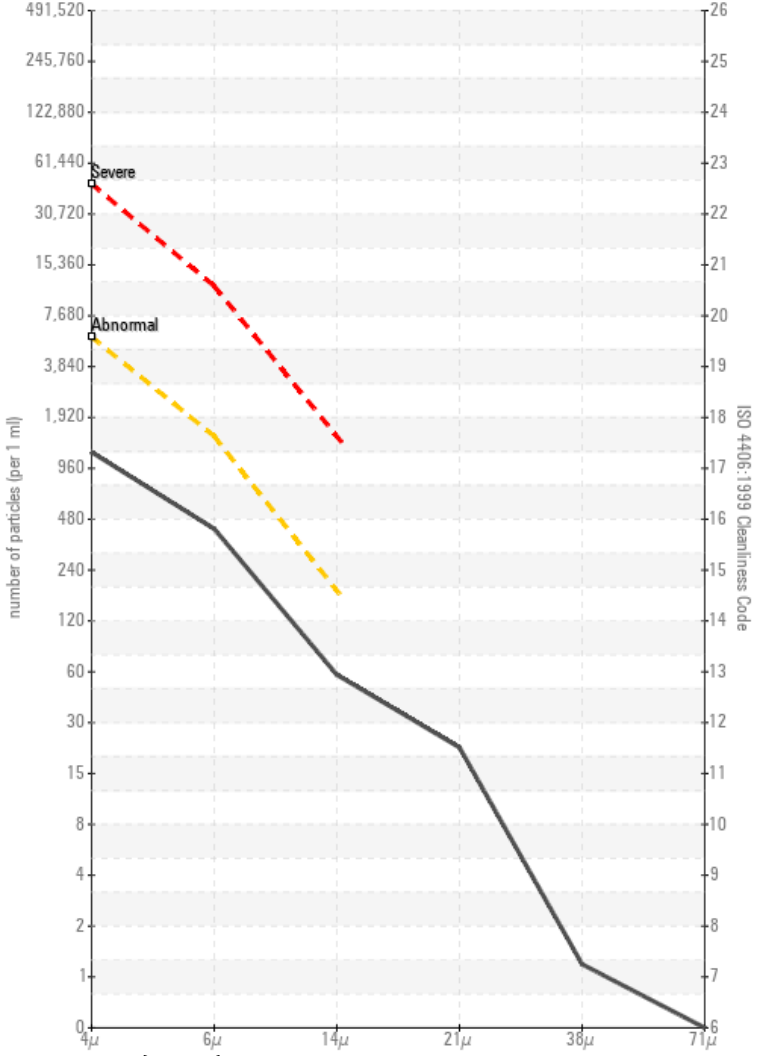
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

