



# CONSTRUCTION EQUIPMENT

SPM633607 SENNEBOGEN 835 835.0.32 13 - HYDRAULIC SYSTEM



**Sample No:** VCP440591  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM633607



## SAMPLE INFORMATION

Sample Number	VCP440591	VCP415021	---	---
Sample Date	17 Oct 2023	12 Sep 2023	---	---
Machine Hours	1047	543	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ATTENTION	ATTENTION	---	---

### SIMS METAL MANAGEMENT

2500 S. PAULINA  
 CHICAGO, IL  
 US 60608  
 Contact: RYAN WISE  
 ryan.wise@simsmm.com  
 T:  
 F:

## OIL CONDITION

Visc @ 40°C	cSt	■ 36.8	■ 38.1	---	---
Acid Number (AN)	mg KOH/g	■ 1.10	■ 1.14	---	---

## CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		▲ 7125	▲ 7318	---	---
Particles >6µm		■ 1155	▲ 1425	---	---
Particles >14µm		■ 48	■ 73	---	---
ISO 4406:1999 (c)		20/17/13	20/18/13	---	---
Silicon	ppm	■ 2	■ 2	---	---
Sodium	ppm	■ 3	■ 2	---	---
Potassium	ppm	■ 0	■ 1	---	---

### 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 light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

## WEAR METALS

Iron	ppm	■ 5	■ 3	---	---
Copper	ppm	■ 4	■ 3	---	---
Lead	ppm	■ <1	■ <1	---	---
Tin	ppm	■ <1	■ 0	---	---
Aluminum	ppm	■ 0	■ <1	---	---
Chromium	ppm	■ <1	■ 0	---	---
Molybdenum	ppm	■ 0	■ 0	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ <1	■ <1	---	---
Vanadium	ppm	0	0	---	---

## ADDITIVES

Calcium	ppm	1131	1336	---	---
Magnesium	ppm	■ 2	■ 6	---	---
Zinc	ppm	■ 631	■ 727	---	---
Phosphorus	ppm	■ 534	■ 583	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 0	■ 0	---	---

**Depot:** SIMCHIL  
**Unique No:** 10882925  
**Signed:** Wes Davis  
**Report Date:** 16 Feb 2024

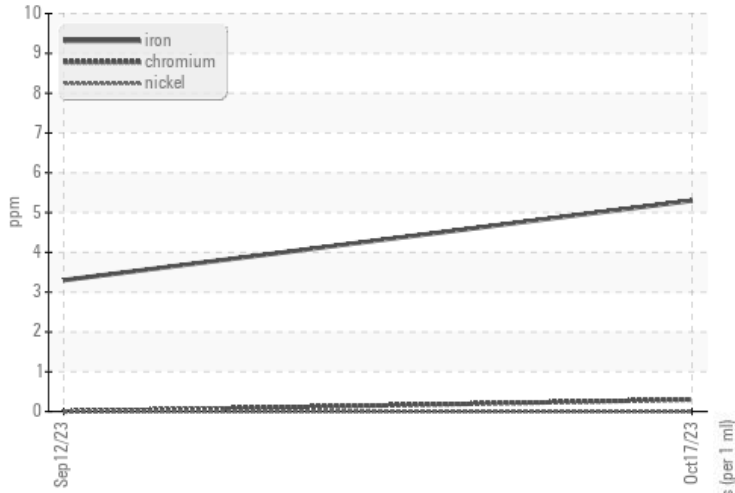


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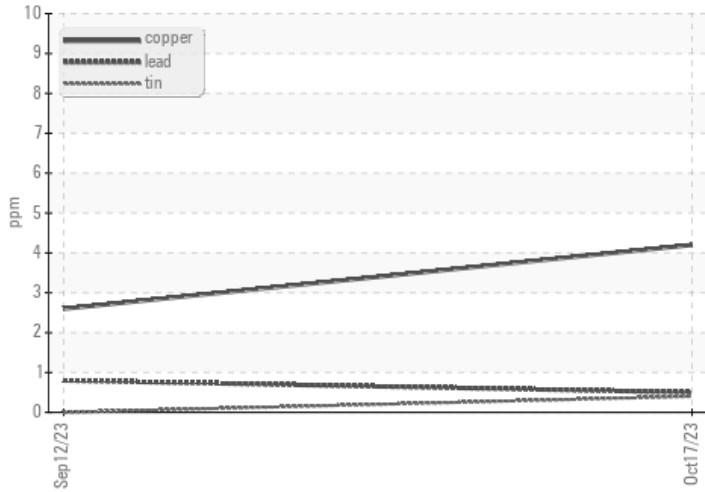


## GRAPHS

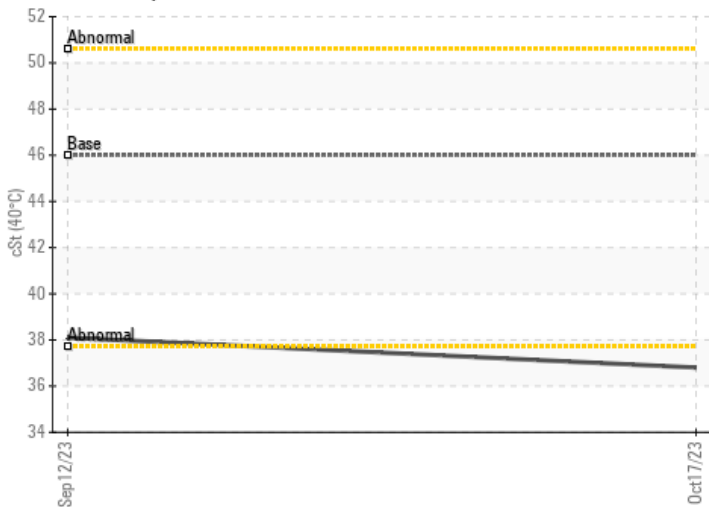
### Ferrous Alloys



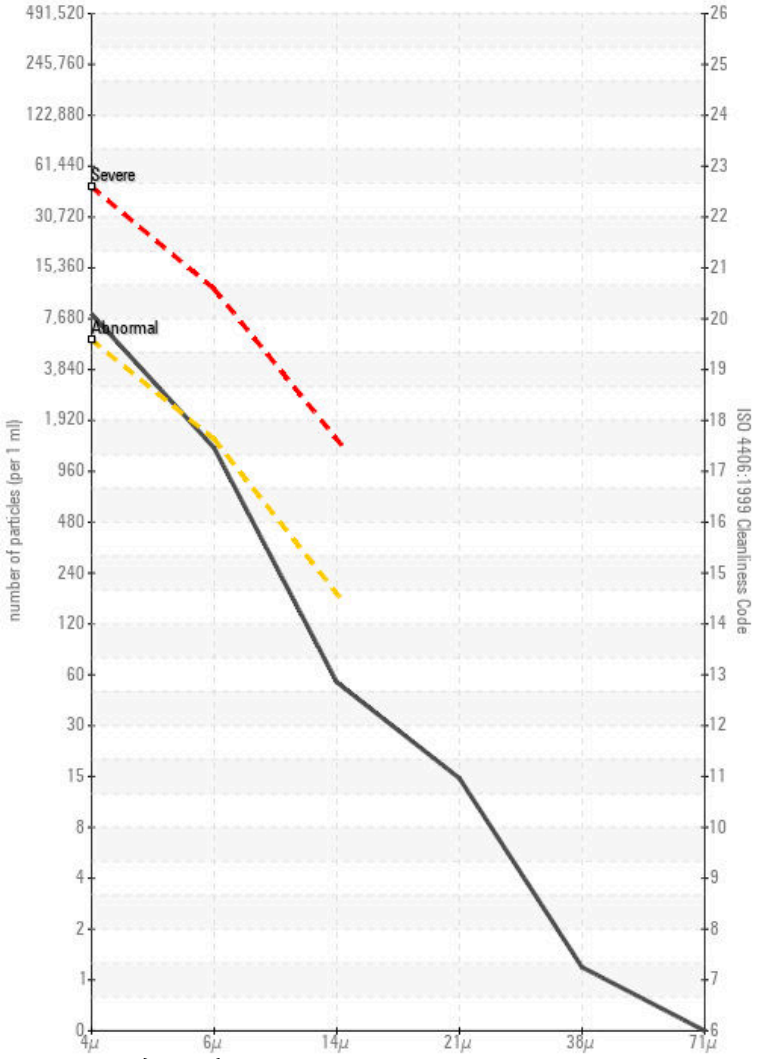
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

