



# CONSTRUCTION EQUIPMENT

S&A SCRAP SENNEBOGEN 818 818.5.2881 - HYDRAULIC SYSTEM



**Sample No:** VCP422147  
**Oil Type:** SENNEBOGEN HO 46  
**Job No:** S&A SCRAP



## SAMPLE INFORMATION

Sample Number	VCP422147	---	---	---
Sample Date	25 Sep 2023	---	---	---
Machine Hours	2892	---	---	---
Oil Hours	2892	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

**GREEN MACHINE SERVICES LLC**  
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## OIL CONDITION

Visc @ 40°C	cSt	▲ 33.6	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.09	---	---	---

## CONTAMINATION

Particles >4µm		▲ 114004	---	---	---
Particles >6µm		▲ 36315	---	---	---
Particles >14µm		▲ 1279	---	---	---
ISO 4406:1999 (c)		24/22/17	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 10	---	---	---
Potassium	ppm	■ 1	---	---	---

### Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. 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. 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	■ 9	---	---	---
Copper	ppm	■ 9	---	---	---
Lead	ppm	■ 1	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ 4	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

## ADDITIVES

Calcium	ppm	1304	---	---	---
Magnesium	ppm	18	---	---	---
Zinc	ppm	734	---	---	---
Phosphorus	ppm	603	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

**Depot:** GRESOUNJ  
**Unique No:** 10675413  
**Signed:** Don Baldrige  
**Report Date:** 06 Oct 2023

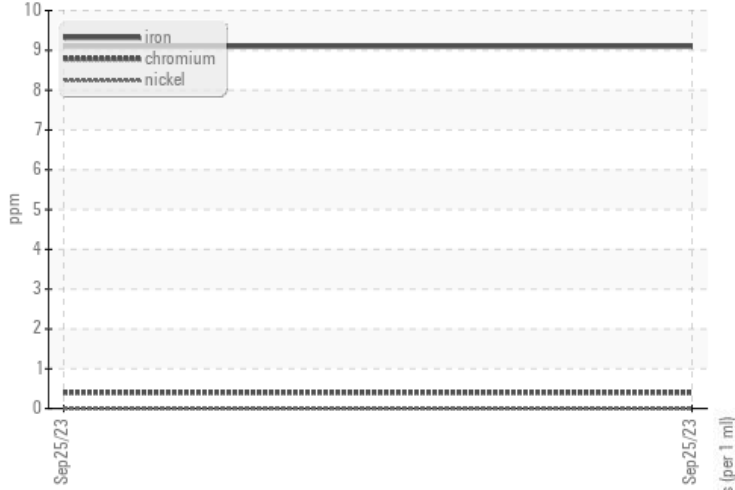


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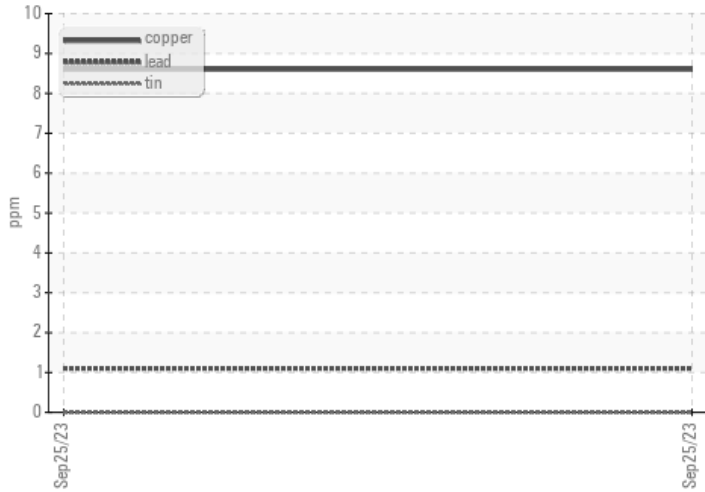


## GRAPHS

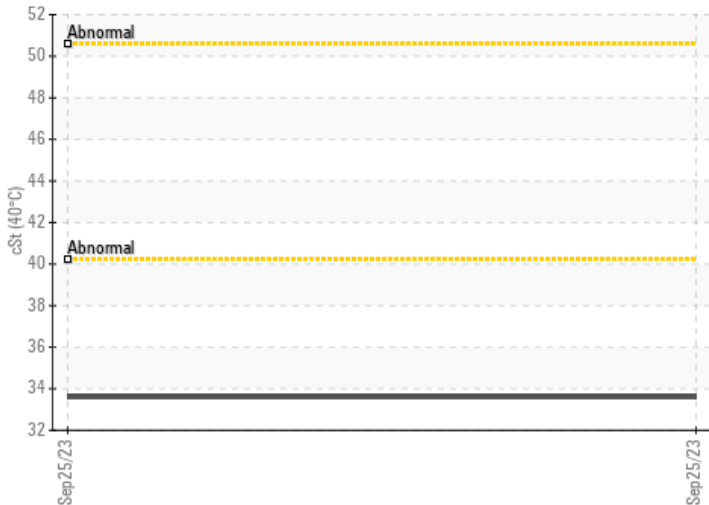
### Ferrous Alloys



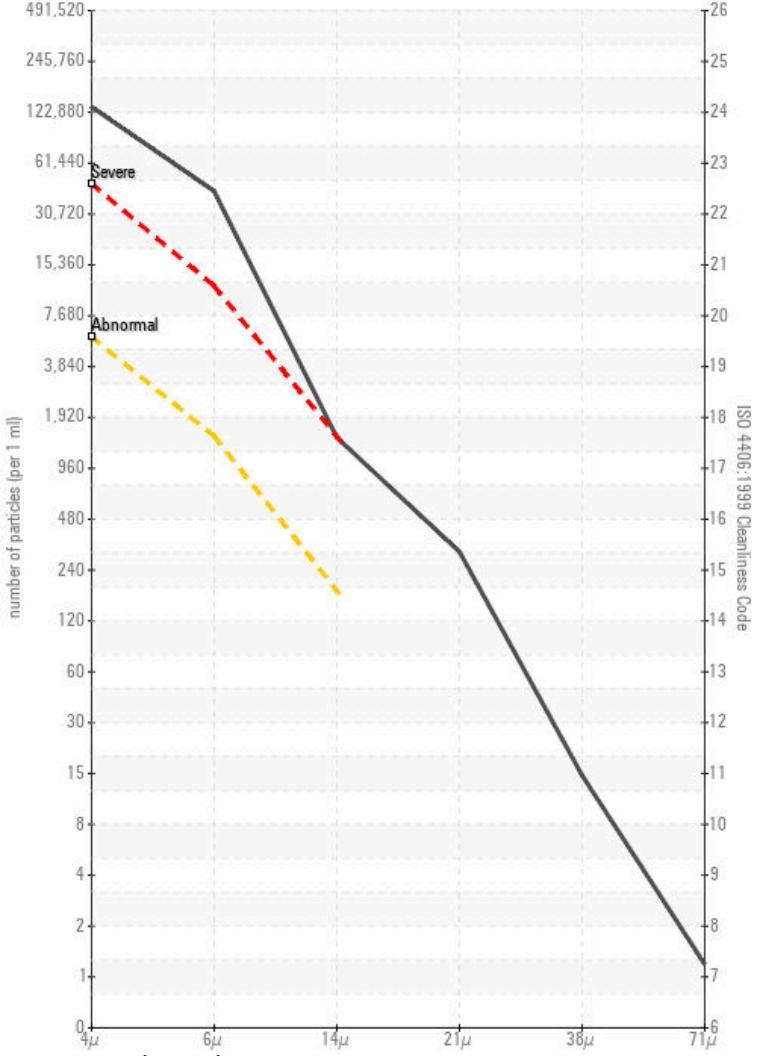
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

