



# CONSTRUCTION EQUIPMENT

## SPM595374 SENNEBOGEN 860 860.0.1095 - HYDRAULIC SYSTEM



**Sample No:** VCP413962  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM595374



### SAMPLE INFORMATION

Sample Number	VCP413962	VCP410324	---	---
Sample Date	28 Aug 2023	25 Aug 2023	---	---
Machine Hours	10929	10929	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	ATTENTION	ABNORMAL	---	---

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F:



### OIL CONDITION

Visc @ 40°C	cSt	█ 48.9	█ 42.6	---	---
Acid Number (AN)	mg KOH/g	█ 0.32	█ 0.41	---	---



### CONTAMINATION

Water	%	---	▲ 0.243	---	---
Particles >4µm		▲ 5805	▲ 60001	---	---
Particles >6µm		█ 1226	▲ 3023	---	---
Particles >14µm		█ 30	█ 47	---	---
ISO 4406:1999 (c)		20/17/12	23/19/13	---	---
Silicon	ppm	█ 0	█ 2	---	---
Sodium	ppm	█ 0	█ 7	---	---
Potassium	ppm	█ <1	█ 2	---	---

### Diagnosis

No corrective action is recommended at this time. Oil and 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 moderate 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	█ 0	█ 8	---	---
Copper	ppm	█ 0	█ 9	---	---
Lead	ppm	█ 0	█ <1	---	---
Tin	ppm	█ 0	█ <1	---	---
Aluminum	ppm	█ <1	█ <1	---	---
Chromium	ppm	█ 0	█ 2	---	---
Molybdenum	ppm	█ 3	█ <1	---	---
Nickel	ppm	█ 0	█ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	█ 0	█ <1	---	---
Vanadium	ppm	<1	<1	---	---



### ADDITIVES

Calcium	ppm	█ 125	█ 82	---	---
Magnesium	ppm	█ 44	█ 7	---	---
Zinc	ppm	█ 445	█ 448	---	---
Phosphorus	ppm	█ 350	█ 364	---	---
Barium	ppm	█ 0	█ 0	---	---
Boron	ppm	█ 0	█ 0	---	---

**Depot:** VOLVO8885  
**Unique No:** 10634131  
**Signed:** Don Baldrige  
**Report Date:** 08 Sep 2023

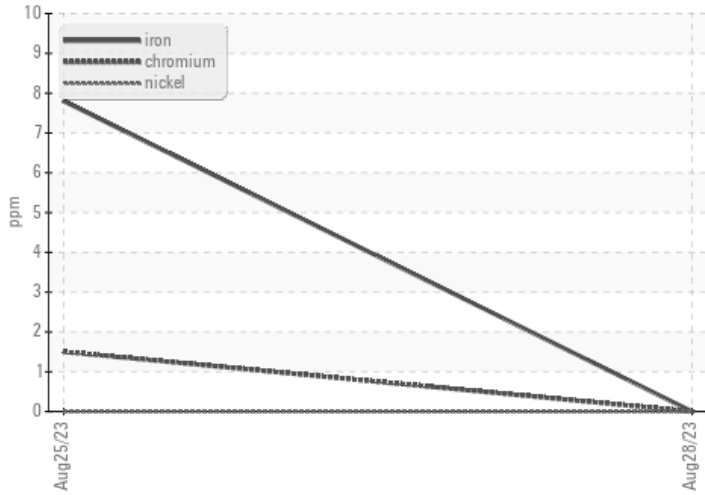


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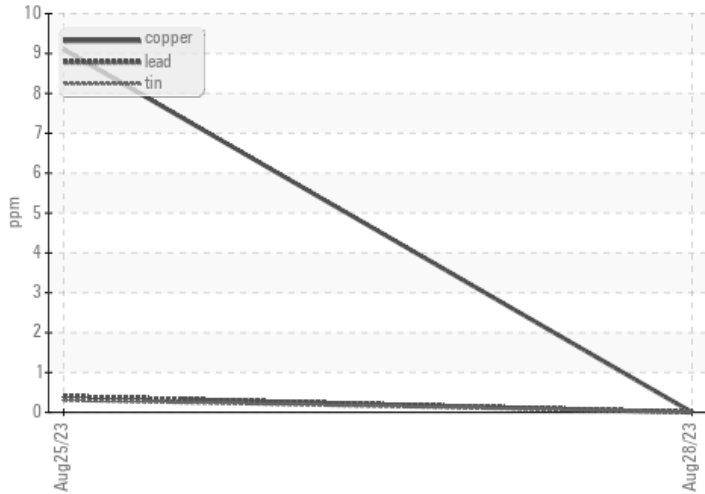


## GRAPHS

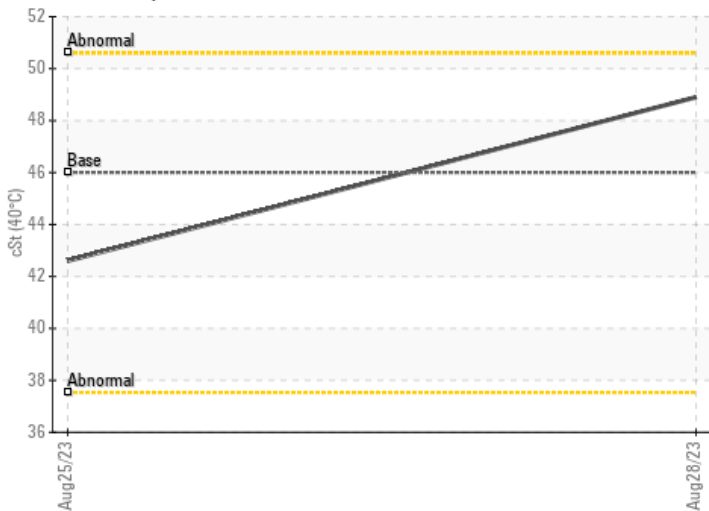
### Ferrous Alloys



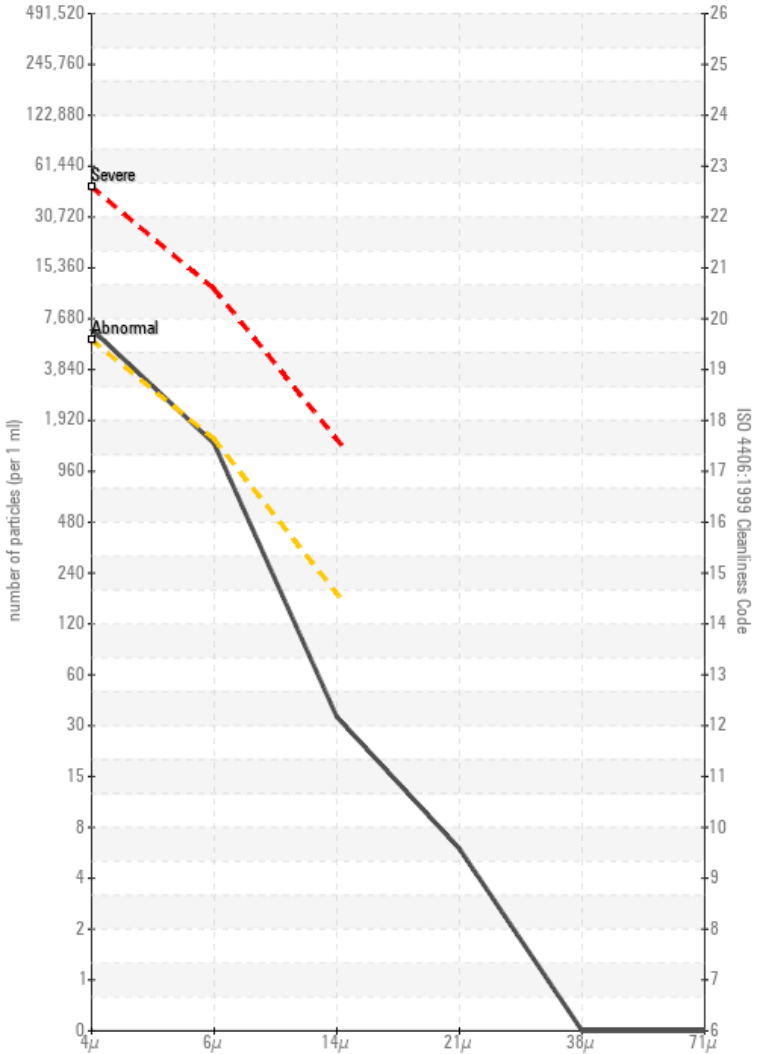
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

