



# CONSTRUCTION EQUIPMENT

## SPM593006 SENNEBOGEN 840ME 840.0.2170 - HYDRAULIC SYSTEM



**Sample No:** VCP399751  
**Oil Type:** AW HYDRAULIC OIL ISO 46  
**Job No:** SPM593006



### SAMPLE INFORMATION

Sample Number	<b>VCP399751</b>	VCP323144	---	---
Sample Date	<b>14 Aug 2023</b>	15 Jul 2021	---	---
Machine Hours	<b>8508</b>	3424	---	---
Oil Hours	<b>0</b>	0	---	---
Oil Changed	<b>Changed</b>	Changed	---	---
Sample Status	<b>ATTENTION</b>	NORMAL	---	---

### ALTA CONSTRUCTION EQUIPMENT

613 E STEVENSON RD  
 OTTAWA, IL  
 US 61350  
 Contact: ALEX MARCO  
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 T:  
 F:



### OIL CONDITION

Visc @ 40°C	cSt	<b>42.1</b>	37.9	---	---
Acid Number (AN)	mg KOH/g	<b>0.52</b>	0.728	---	---



### CONTAMINATION

Particles >4µm		<b>8388</b>	465	---	---
Particles >6µm		<b>1504</b>	44	---	---
Particles >14µm		<b>63</b>	3	---	---
ISO 4406:1999 (c)		<b>20/18/13</b>	16/13/9	---	---
Silicon	ppm	<b>1</b>	<1	---	---
Sodium	ppm	<b>&lt;1</b>	3	---	---
Potassium	ppm	<b>&lt;1</b>	0	---	---

### Diagnosis

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 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	<b>10</b>	10	---	---
Copper	ppm	<b>2</b>	2	---	---
Lead	ppm	<b>&lt;1</b>	<1	---	---
Tin	ppm	<b>0</b>	0	---	---
Aluminum	ppm	<b>&lt;1</b>	<1	---	---
Chromium	ppm	<b>3</b>	1	---	---
Molybdenum	ppm	<b>4</b>	2	---	---
Nickel	ppm	<b>0</b>	<1	---	---
Titanium	ppm	<b>0</b>	0	---	---
Silver	ppm	<b>0</b>	<1	---	---
Manganese	ppm	<b>0</b>	<1	---	---
Vanadium	ppm	<b>0</b>	0	---	---



### ADDITIVES

Calcium	ppm	<b>205</b>	652	---	---
Magnesium	ppm	<b>24</b>	13	---	---
Zinc	ppm	<b>479</b>	554	---	---
Phosphorus	ppm	<b>373</b>	426	---	---
Barium	ppm	<b>0</b>	0	---	---
Boron	ppm	<b>3</b>	0	---	---

**Depot:** VOLVO5055  
**Unique No:** 10608710  
**Signed:** Wes Davis  
**Report Date:** 21 Aug 2023

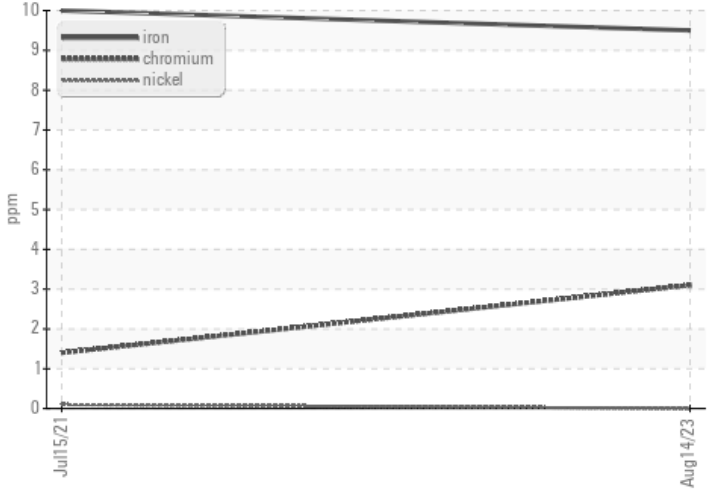


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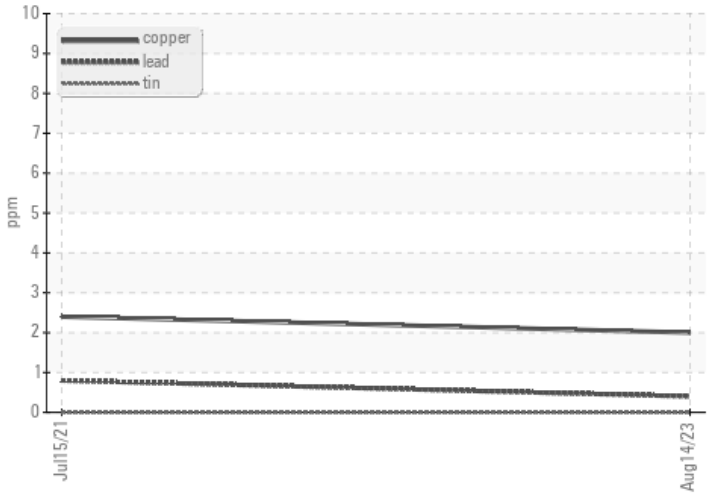


## VOLVO GRAPHS

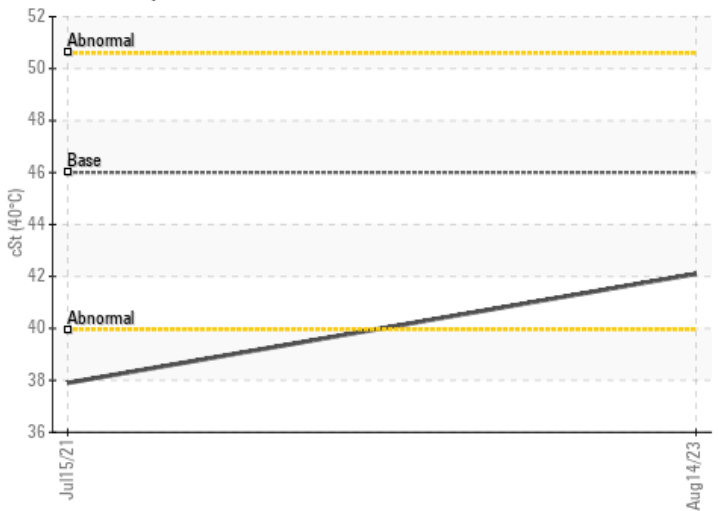
### Ferrous Alloys



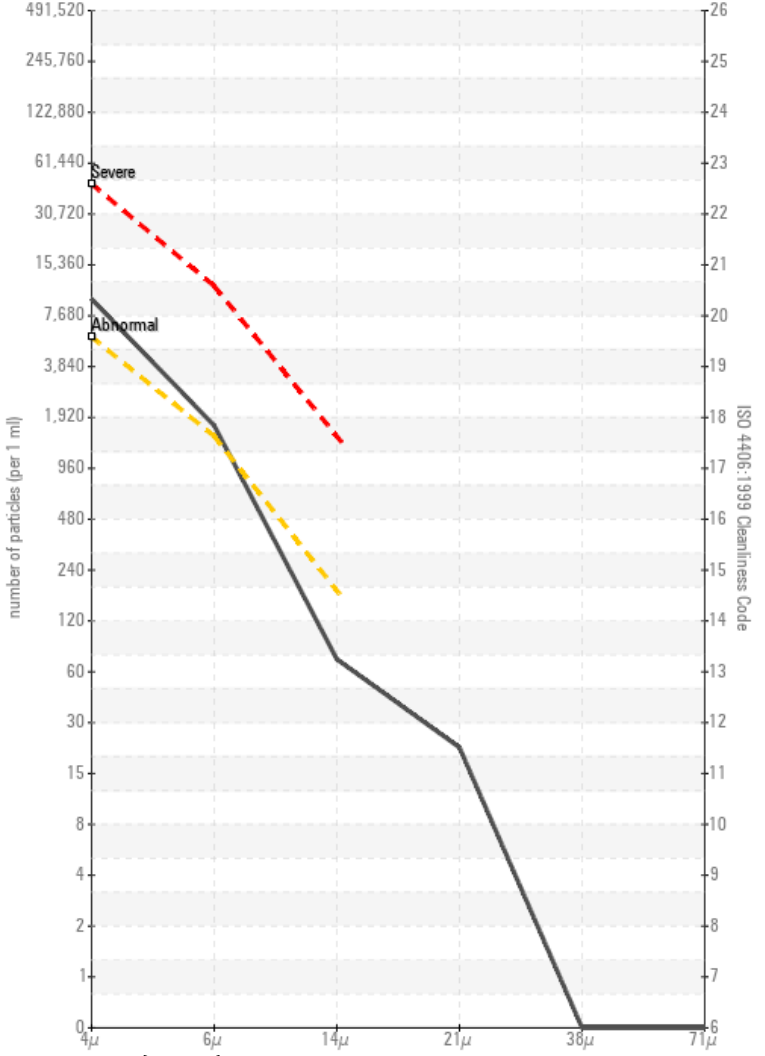
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

