



# CONSTRUCTION EQUIPMENT

## SPM578994 AMG SENNEBOGEN 835M 835.0.2002 - HYDRAULIC SYSTEM



**Sample No:** VCP422576  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM578994 AMG



### SAMPLE INFORMATION

Sample Number	<b>VCP422576</b>	VCP406710	VCP372283	VCP328724
Sample Date	<b>07 Jul 2023</b>	14 Apr 2023	29 Jul 2022	30 Aug 2021
Machine Hours	<b>8436</b>	13746	11134	8073
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.1</b>	43.1	43.5	46.2
Acid Number (AN)	mg KOH/g	<b>0.31</b>	0.30	0.33	0.520

### CONTAMINATION

Particles >4µm	<b>1794</b>	850	1561	---	
Particles >6µm	<b>460</b>	187	157	---	
Particles >14µm	<b>25</b>	15	14	---	
ISO 4406:1999 (c)	<b>18/16/12</b>	17/15/11	18/14/11	---	
Silicon	ppm	<b>&lt;1</b>	0	<1	3
Sodium	ppm	<b>0</b>	<1	<1	11
Potassium	ppm	<b>2</b>	0	0	28

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	<b>4</b>	2	3	▲ 26
Copper	ppm	<b>2</b>	<1	<1	4
Lead	ppm	<b>&lt;1</b>	0	0	<1
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>0</b>	<1	<1	1
Chromium	ppm	<b>5</b>	5	3	4
Molybdenum	ppm	<b>1</b>	<1	<1	8
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	0	<1
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>67</b>	60	62	181
Magnesium	ppm	<b>5</b>	4	8	63
Zinc	ppm	<b>482</b>	434	467	562
Phosphorus	ppm	<b>369</b>	359	352	431
Barium	ppm	<b>1</b>	0	0	0
Boron	ppm	<b>0</b>	0	<1	0

**Depot:** VOLVO8885  
**Unique No:** 10574230  
**Signed:** Wes Davis  
**Report Date:** 27 Jul 2023

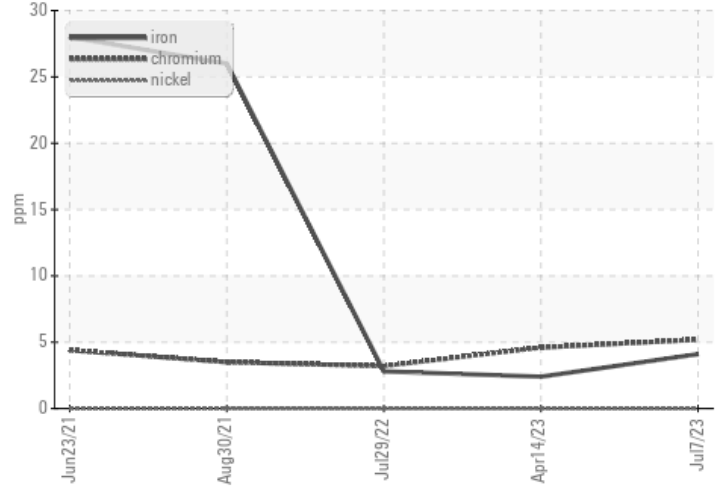


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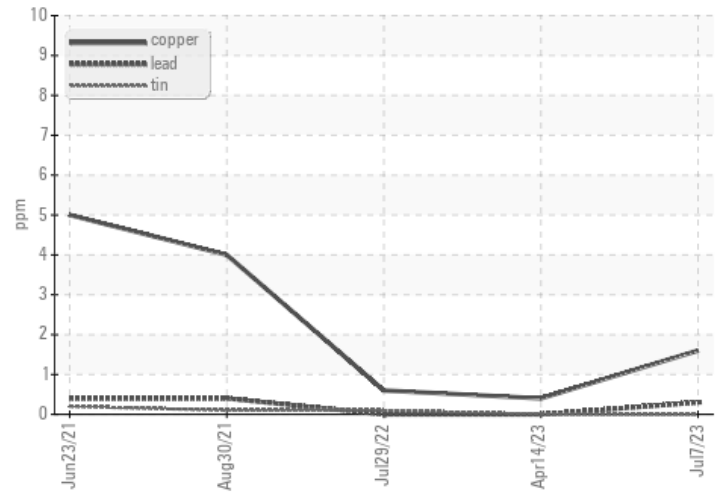


## GRAPHS

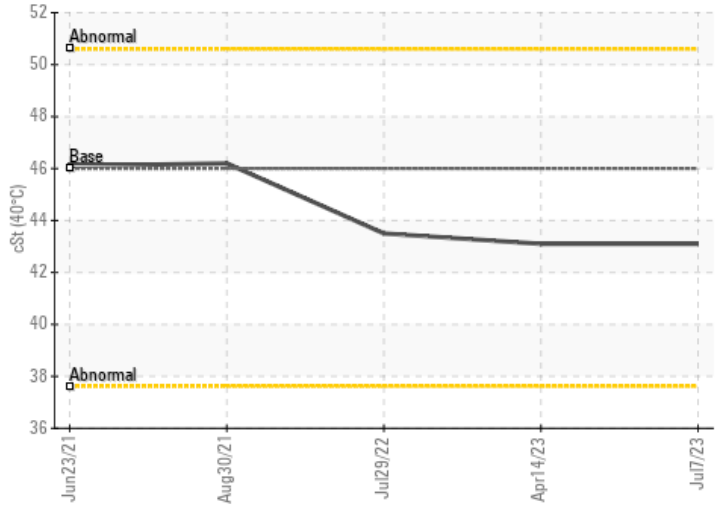
### Ferrous Alloys



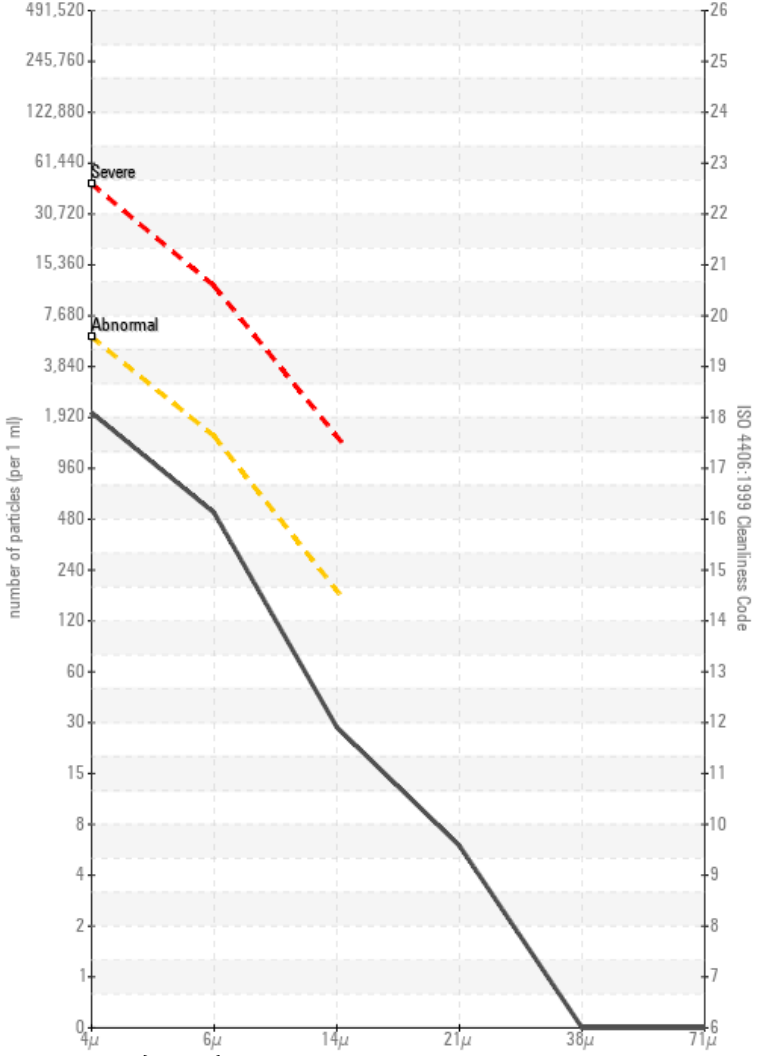
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

