



# CONSTRUCTION EQUIPMENT

673135 SENNEBOGEN 840 840.0.2369 - HYDRAULIC SYSTEM



**Sample No:** VCP445843  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 673135



## SAMPLE INFORMATION

Sample Number	VCP445843	---	---	---
Sample Date	10 Feb 2024	---	---	---
Machine Hours	2322	---	---	---
Oil Hours	2322	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

### FERROUS PROCESSING AND TRADING

3400 E LAFAYETTE  
 DETROIT, MI  
 US 48207

Contact: KEITH HALL  
 keith.hall@fpt1.com

T:  
 F:



## OIL CONDITION

Visc @ 40°C	cSt	▲ 35.06	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.04	---	---	---



## CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		▲ 19499	---	---	---
Particles >6µm		▲ 6569	---	---	---
Particles >14µm		▲ 709	---	---	---
ISO 4406:1999 (c)		21/20/17	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ 2	---	---	---

### 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 high amount of particulates present in the oil. The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.



## WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 2	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ <1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



## ADDITIVES

Calcium	ppm	1156	---	---	---
Magnesium	ppm	■ 24	---	---	---
Zinc	ppm	■ 638	---	---	---
Phosphorus	ppm	■ 514	---	---	---
Barium	ppm	■ 5	---	---	---
Boron	ppm	■ 0	---	---	---

**Depot:** FERDET  
**Unique No:** 10896529  
**Signed:** Jonathan Hester  
**Report Date:** 28 Feb 2024

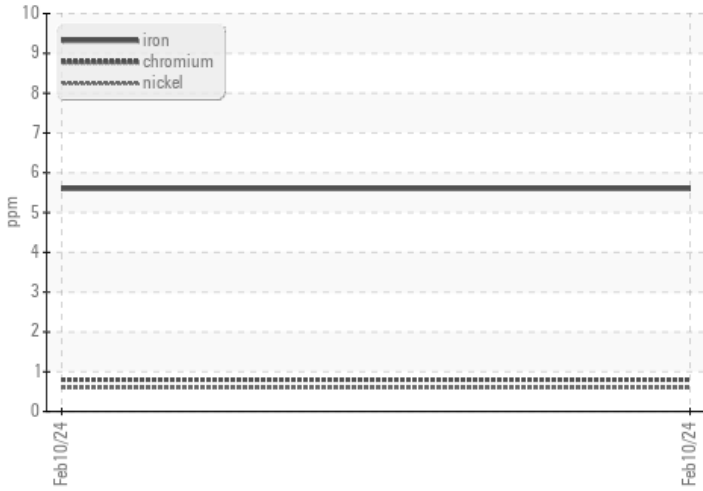


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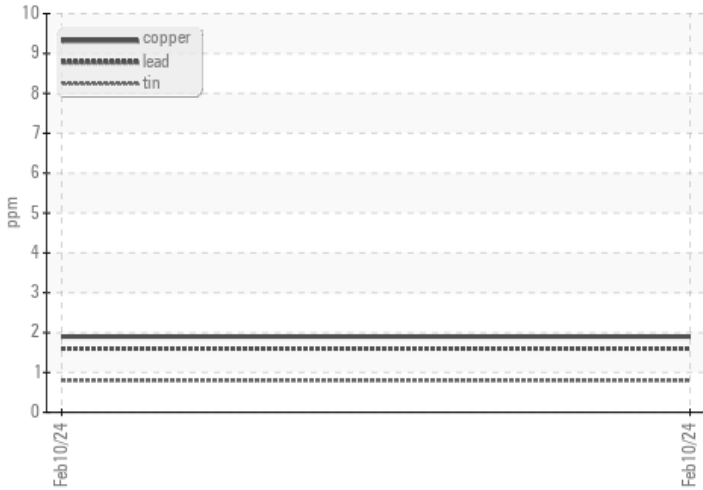


## VOLVO GRAPHS

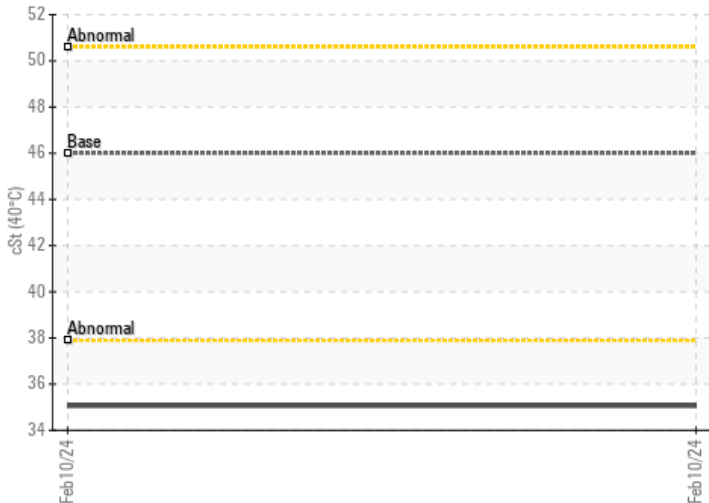
### Ferrous Alloys



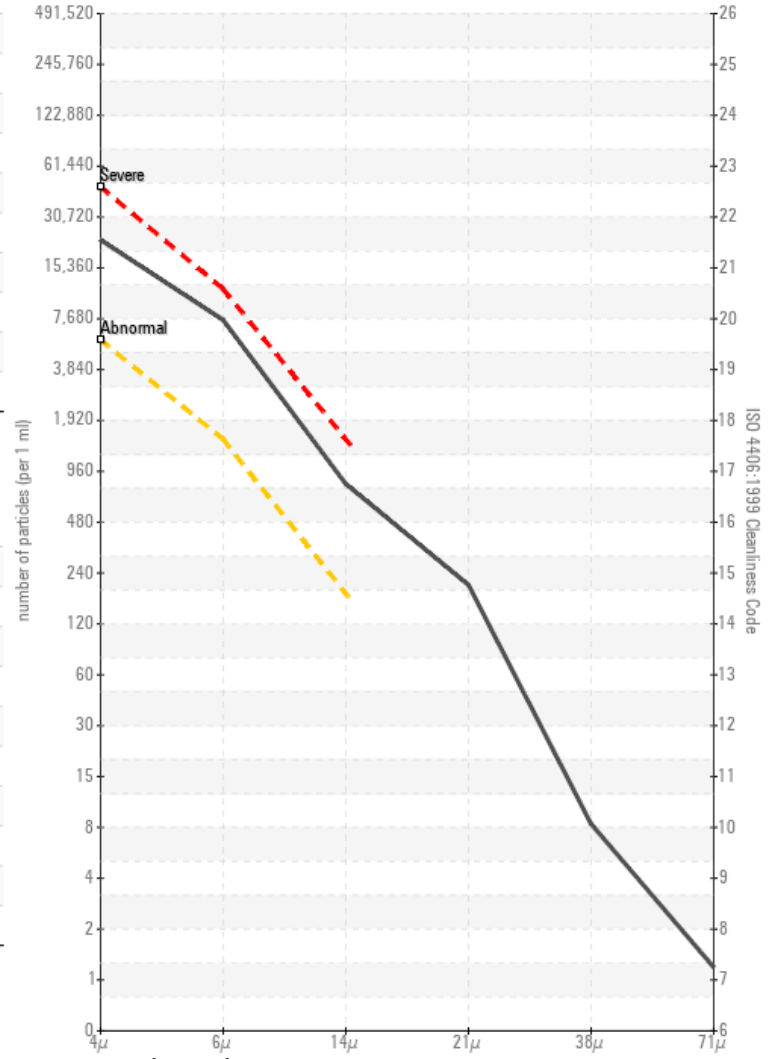
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

