



CONSTRUCTION EQUIPMENT

607580 SENNEBOGEN 840 2345 - HYDRAULIC SYSTEM



Sample No: VCP431501
Oil Type: VOLVO SUPER HYDRAULIC OIL 46
Job No: 607580



SAMPLE INFORMATION

Sample Number	VCP431501	---	---	---
Sample Date	11 Oct 2023	---	---	---
Machine Hours	2072	---	---	---
Oil Hours	2000	---	---	---
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	▲ 36.59	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.03	---	---	---



CONTAMINATION

Particles >4µm		▲ 195265	---	---	---
Particles >6µm		▲ 82498	---	---	---
Particles >14µm		▲ 464	---	---	---
ISO 4406:1999 (c)		25/24/16	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ 3	---	---	---
Potassium	ppm	■ 0	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. All other 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	▲ 25	---	---	---
Copper	ppm	■ 4	---	---	---
Lead	ppm	■ 0	---	---	---
Tin	ppm	■ 0	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1069	---	---	---
Magnesium	ppm	■ 0	---	---	---
Zinc	ppm	■ 625	---	---	---
Phosphorus	ppm	■ 532	---	---	---
Barium	ppm	■ 0	---	---	---
Boron	ppm	■ 0	---	---	---

Depot: FERDET
Unique No: 10698473
Signed: Jonathan Hester
Report Date: 23 Oct 2023

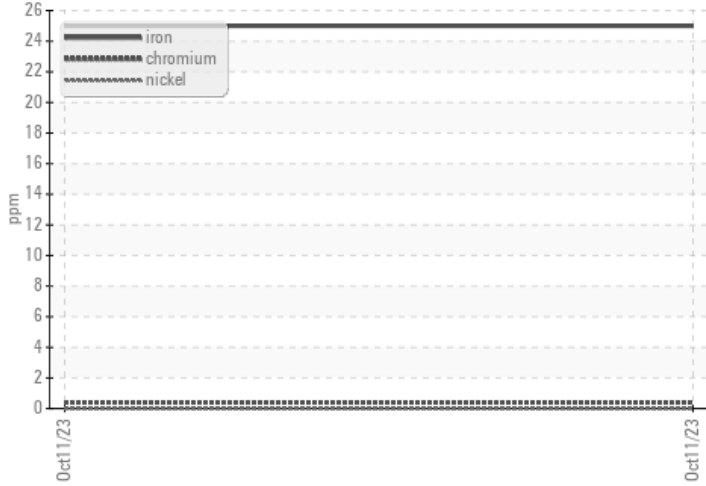


CONSTRUCTION EQUIPMENT

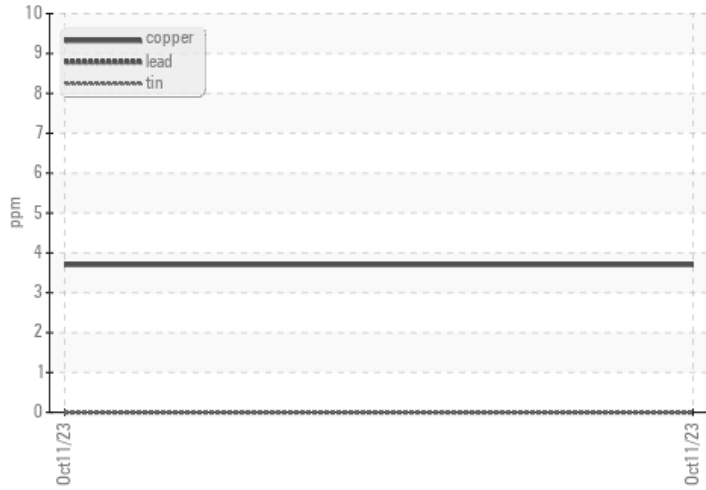


VOLVO GRAPHS

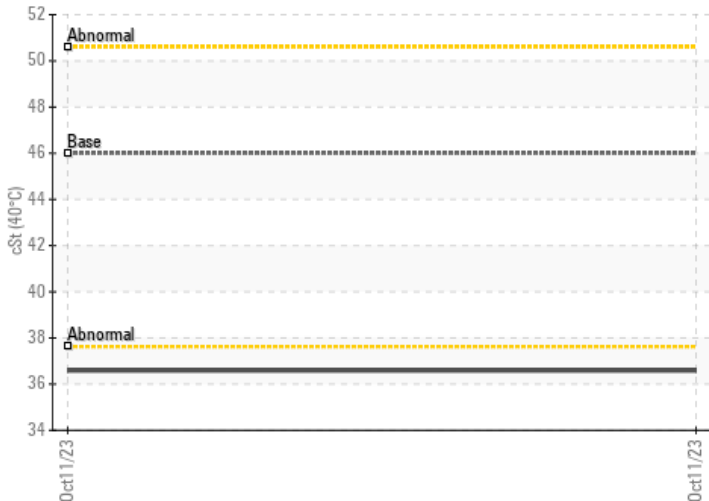
▲ Ferrous Alloys



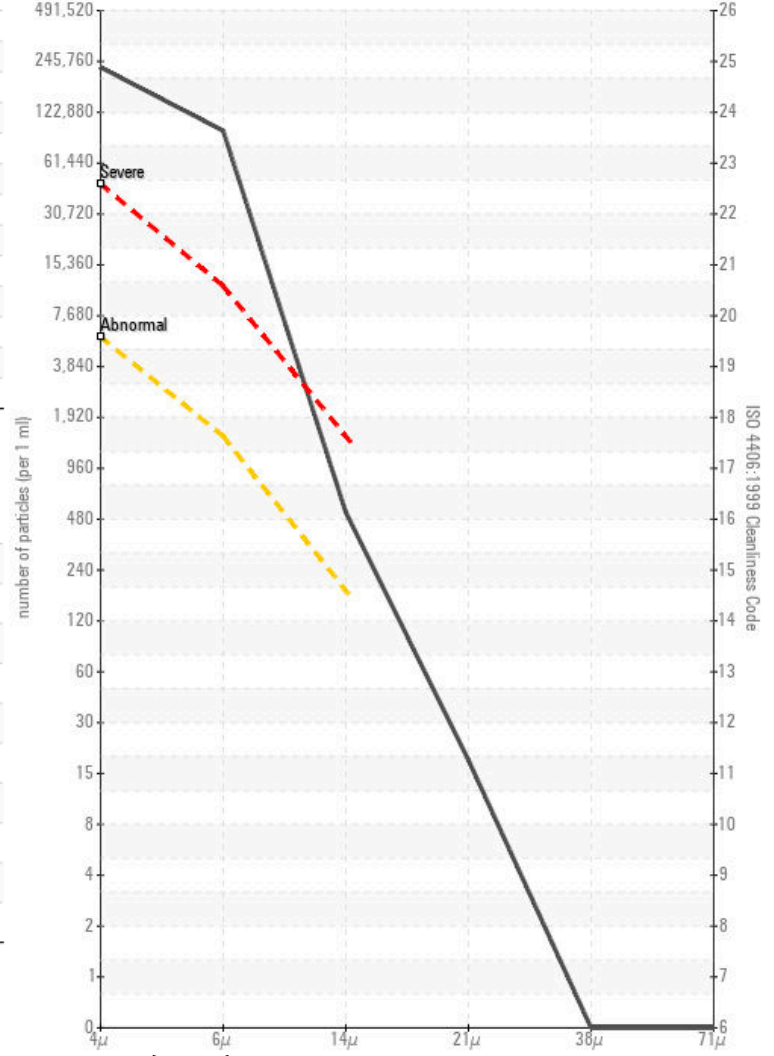
Non-ferrous Metals



▲ Viscosity @ 40°C



▲ Particle Count



Acid Number

