



CONSTRUCTION EQUIPMENT

SPM621033 SENNEBOGEN 850E 850.0.3183 - HYDRAULIC SYSTEM



Sample No: VCP429724
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SPM621033



SAMPLE INFORMATION

Sample Number	VCP429724	---	---	---
Sample Date	20 Oct 2023	---	---	---
Machine Hours	262	---	---	---
Oil Hours	262	---	---	---
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	█ 41.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 1.20	---	---	---



CONTAMINATION

Particles >4µm		▲ 23135	---	---	---
Particles >6µm		▲ 2224	---	---	---
Particles >14µm		█ 91	---	---	---
ISO 4406:1999 (c)		22/18/14	---	---	---
Silicon	ppm	█ 2	---	---	---
Sodium	ppm	█ 0	---	---	---
Potassium	ppm	█ 3	---	---	---

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high 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	█ 2	---	---	---
Copper	ppm	█ 1	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ <1	---	---	---
Nickel	ppm	█ <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	█ 0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 1293	---	---	---
Magnesium	ppm	█ 2	---	---	---
Zinc	ppm	█ 728	---	---	---
Phosphorus	ppm	█ 642	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 0	---	---	---

Depot: FERDET
Unique No: 10714242
Signed: Don Baldrige
Report Date: 30 Oct 2023

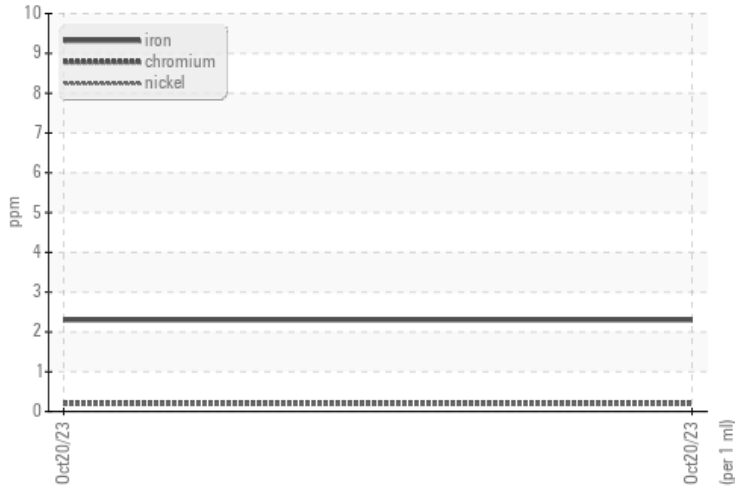


CONSTRUCTION EQUIPMENT

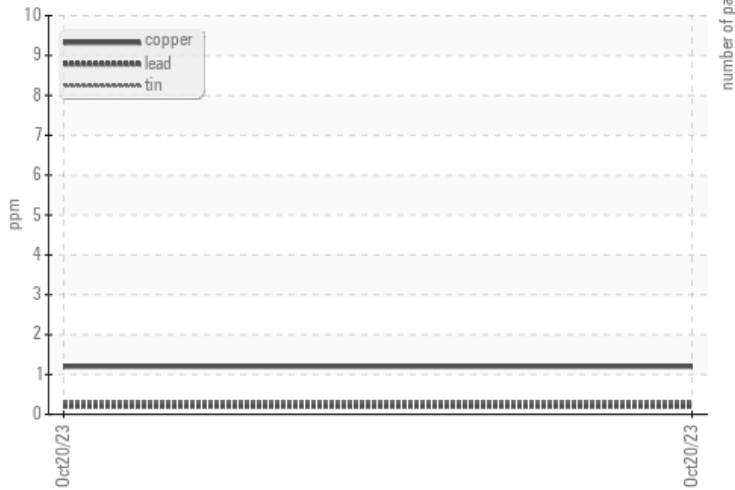


GRAPHS

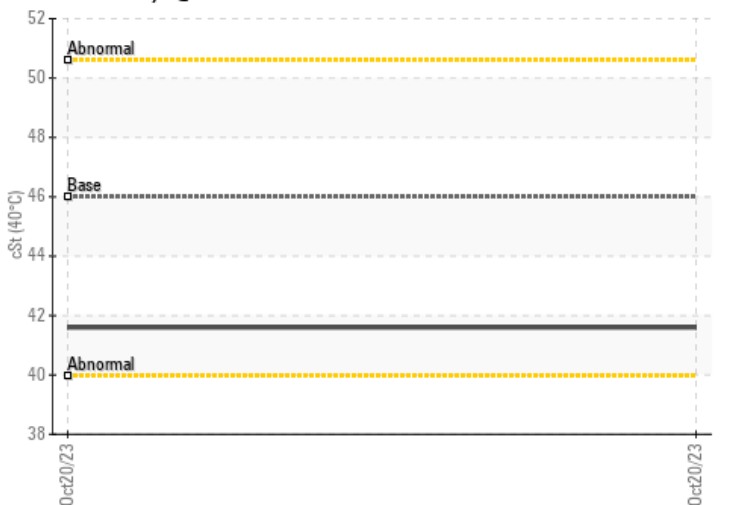
Ferrous Alloys



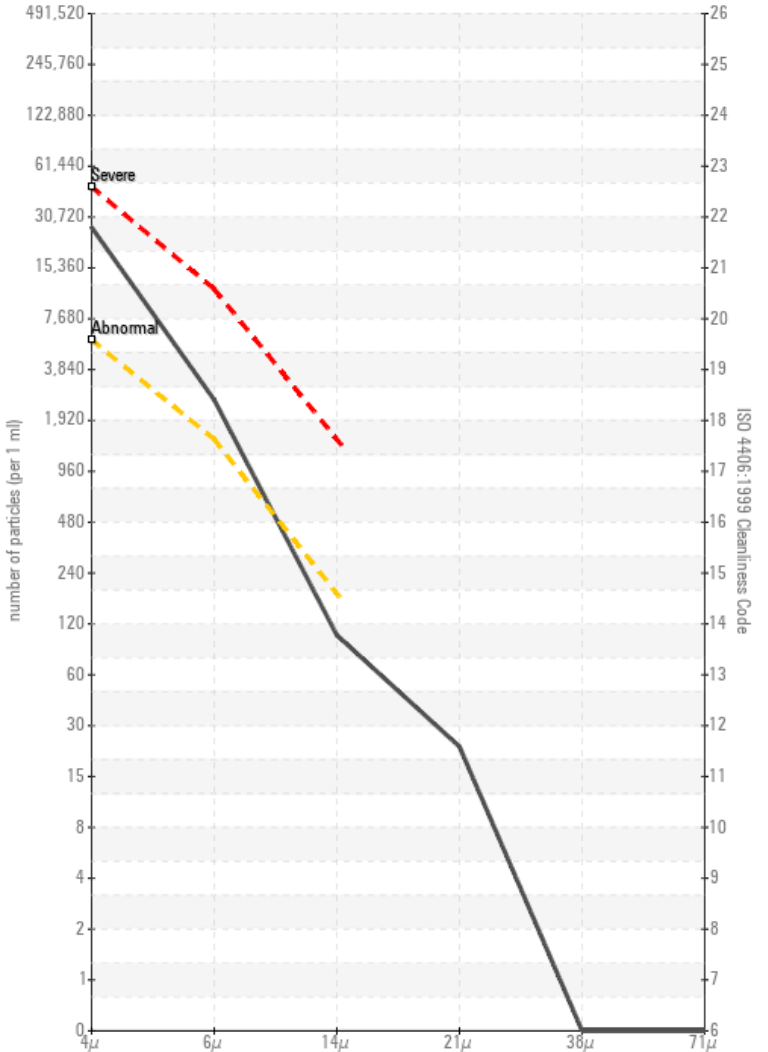
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

