



CONSTRUCTION EQUIPMENT

SIMS SENNEBOGEN 830 830.0.3197 - HYDRAULIC SYSTEM



Sample No: VCP401665
Oil Type: SENNEBOGEN HD 46
Job No: SIMS



SAMPLE INFORMATION

Sample Number	VCP401665	---	---	---
Sample Date	15 May 2023	---	---	---
Machine Hours	2002	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

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 13 SPYROS DRIVE
 SOUTH AMBOY, NJ
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 JOE@GREENMSRV.COM
 T: (732)673-5920
 F:

OIL CONDITION

Visc @ 40°C	cSt	▲ 34.6	---	---	---
Acid Number (AN)	mg KOH/g	■ 1.03	---	---	---

CONTAMINATION

Particles >4µm		▲ 15409	---	---	---
Particles >6µm		▲ 3282	---	---	---
Particles >14µm		■ 152	---	---	---
ISO 4406:1999 (c)		21/19/14	---	---	---
Silicon	ppm	■ 2	---	---	---
Sodium	ppm	■ <1	---	---	---
Potassium	ppm	■ 2	---	---	---

Diagnosis

No corrective action is recommended at this time. 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 silt (particulates < 14 microns in size) present in the oil. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

WEAR METALS

Iron	ppm	■ 6	---	---	---
Copper	ppm	■ 15	---	---	---
Lead	ppm	■ 2	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ <1	---	---	---
Chromium	ppm	■ 0	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1163	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	699	---	---	---
Phosphorus	ppm	532	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: GRESOUNJ
Unique No: 10506412
Signed: Don Baldrige
Report Date: 08 Jun 2023

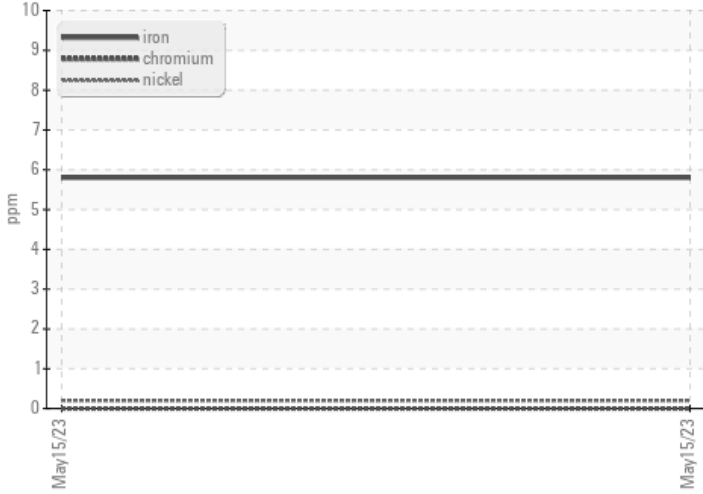


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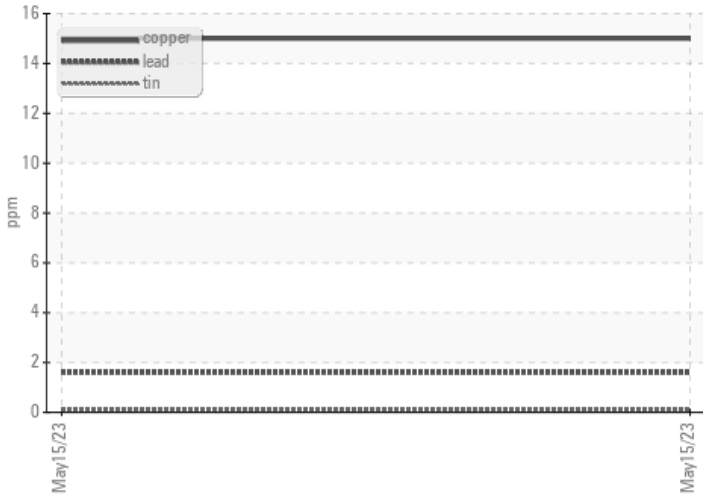


GRAPHS

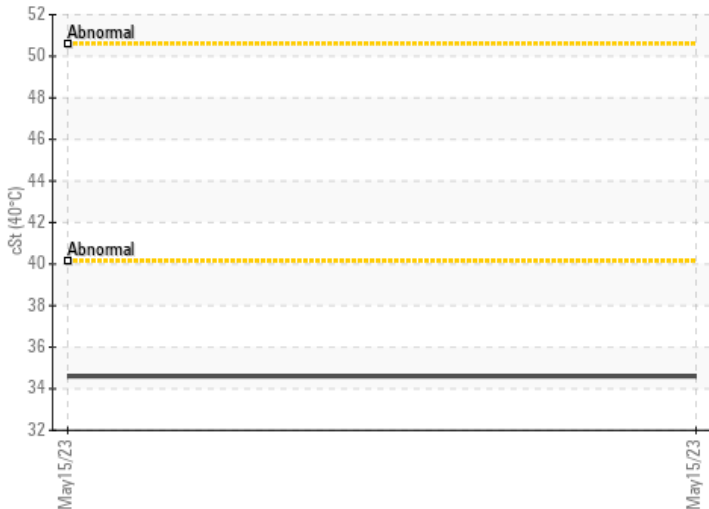
Ferrous Alloys



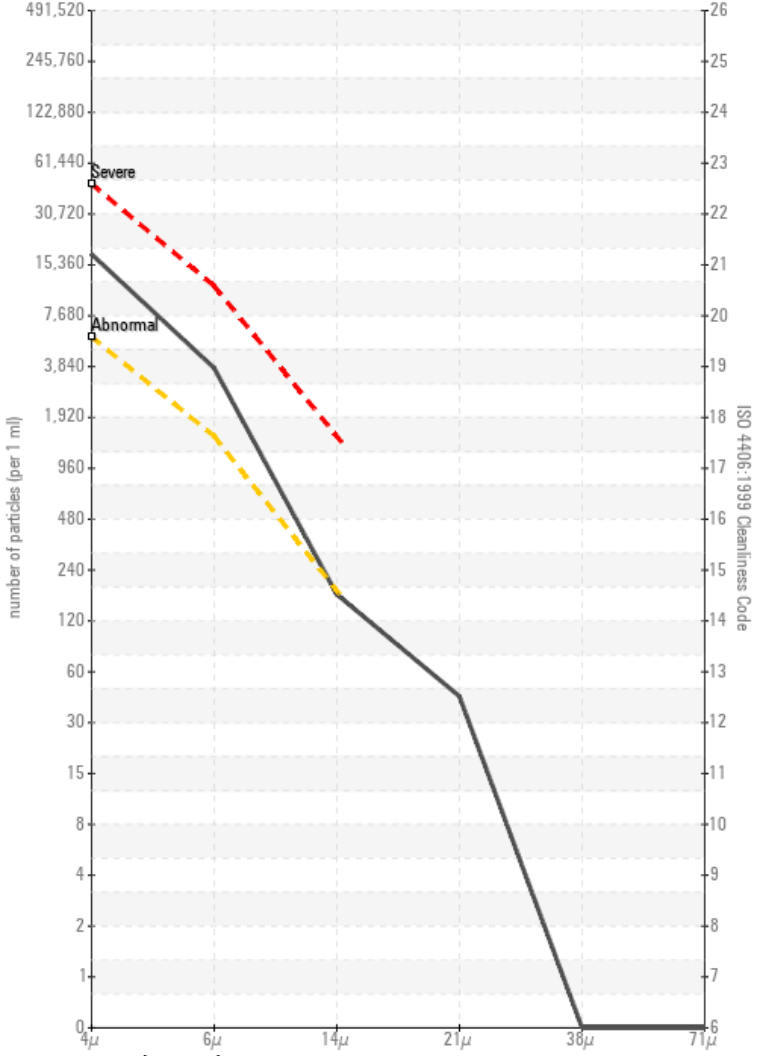
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

