



CONSTRUCTION EQUIPMENT

SIMS SENNEBOGEN 840 840.0.2329 - HYDRAULIC SYSTEM



Sample No: VCP364639
Oil Type: AW HYDRAULIC OIL ISO 46
Job No: SIMS



SAMPLE INFORMATION

Sample Number	VCP364639	VCP401633	---	---
Sample Date	17 May 2023	13 Mar 2023	---	---
Machine Hours	2626	2626	---	---
Oil Hours	2196	0	---	---
Oil Changed	Not Chngd	Not Chngd	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---

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 F:

OIL CONDITION

Visc @ 40°C	cSt	38.0	▲ 36.7	---	---
Acid Number (AN)	mg KOH/g	■ 0.73	■ 0.80	---	---

CONTAMINATION

Particles >4µm		▲ 11826	▲ 53989	---	---
Particles >6µm		▲ 1715	▲ 10743	---	---
Particles >14µm		▲ 176	▲ 656	---	---
ISO 4406:1999 (c)		21/18/15	23/21/17	---	---
Silicon	ppm	■ 1	■ 2	---	---
Sodium	ppm	■ 0	■ <1	---	---
Potassium	ppm	■ 1	■ 2	---	---

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 particulates 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	■ 14	■ 23	---	---
Copper	ppm	■ 4	■ 6	---	---
Lead	ppm	■ <1	■ <1	---	---
Tin	ppm	■ 0	■ <1	---	---
Aluminum	ppm	■ 0	■ 0	---	---
Chromium	ppm	■ <1	■ 2	---	---
Molybdenum	ppm	■ 2	■ <1	---	---
Nickel	ppm	■ 0	■ 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	■ <1	■ <1	---	---
Vanadium	ppm	0	0	---	---

ADDITIVES

Calcium	ppm	■ 672	■ 1055	---	---
Magnesium	ppm	■ 2	■ 4	---	---
Zinc	ppm	■ 607	■ 761	---	---
Phosphorus	ppm	■ 475	■ 596	---	---
Barium	ppm	■ 0	■ 0	---	---
Boron	ppm	■ 10	■ 0	---	---

Depot: GRESOUNJ
Unique No: 10506413
Signed: Don Baldrige
Report Date: 08 Jun 2023

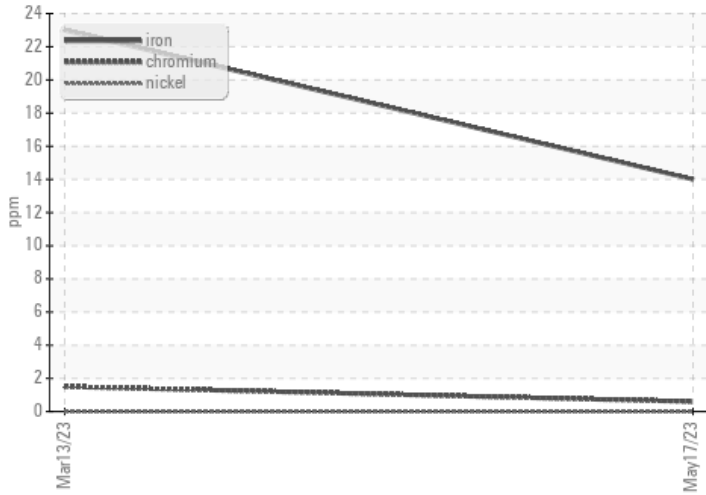


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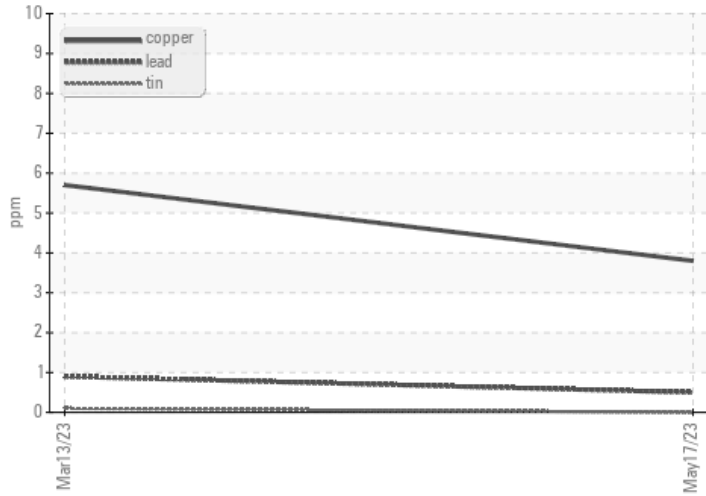


VOLVO GRAPHS

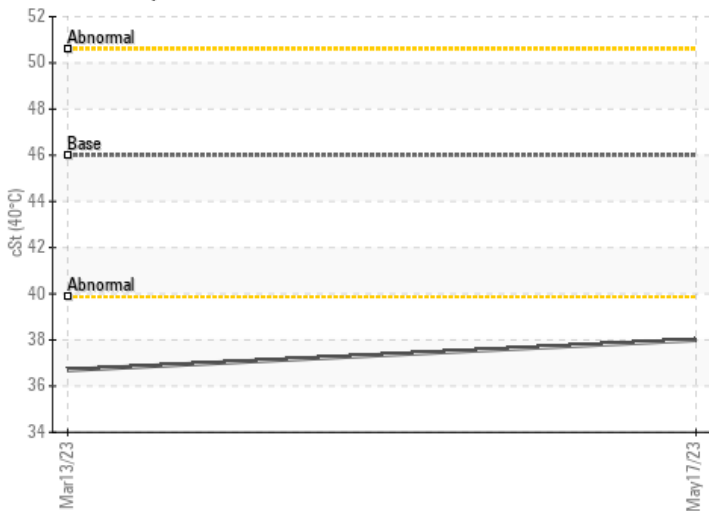
Ferrous Alloys



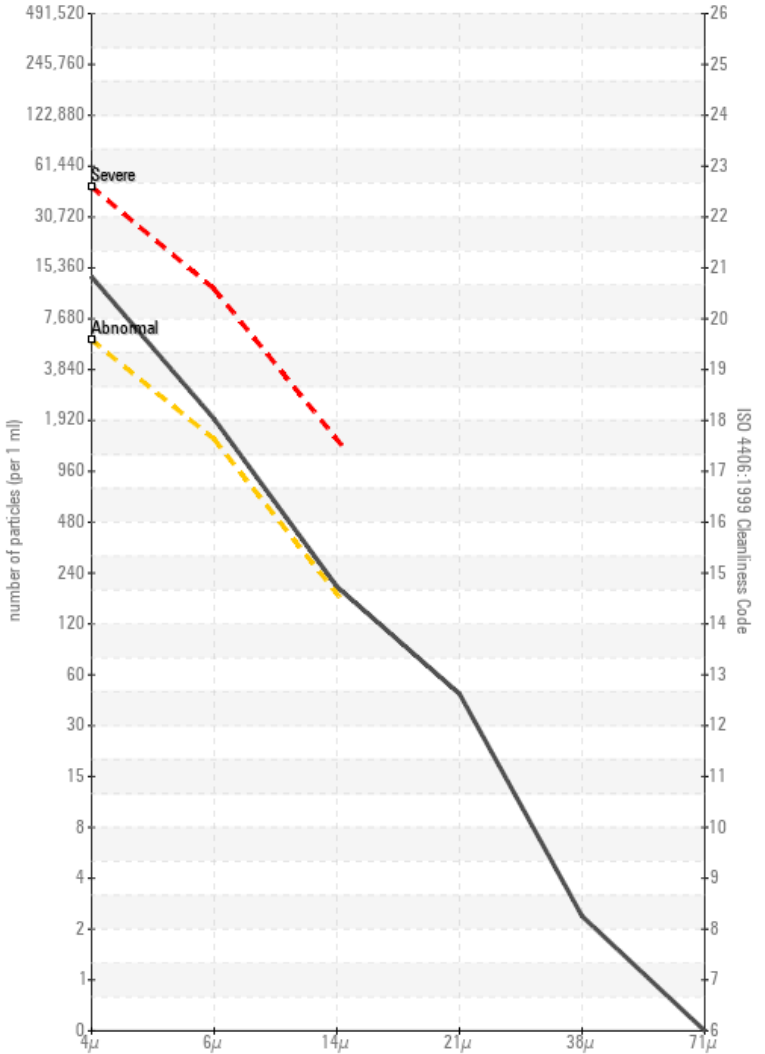
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

