



CONSTRUCTION EQUIPMENT

SENNEBOGEN 825MD 825.0.3324 - HYDRAULIC SYSTEM



Sample No: VCP440530
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

Sample Number	VCP440530	VCP370238	VCP327415	---
Sample Date	28 Mar 2024	03 May 2023	06 Nov 2021	---
Machine Hours	11523	8745	5635	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	ATTENTION	ABNORMAL	NORMAL	---

UNITED SCRAP

1545 S CICERO AVE
 CICERO, IL
 US 60804
 Contact: RON LUCHTENBURG
 rluchten@unitedscrap.com
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	41.8	36.4	38.9	---
Acid Number (AN)	mg KOH/g	0.47	0.46	0.674	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		7356	---	283	---
Particles >6µm		1124	---	71	---
Particles >14µm		47	---	6	---
ISO 4406:1999 (c)		20/17/13	---	15/13/10	---
Silicon	ppm	1	2	<1	---
Sodium	ppm	2	<1	5	---
Potassium	ppm	1	2	0	---

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 light 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	11	15	7	---
Copper	ppm	4	6	8	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	2	0	<1	---
Chromium	ppm	5	8	2	---
Molybdenum	ppm	<1	<1	0	---
Nickel	ppm	0	<1	<1	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	<1	---
Manganese	ppm	0	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	130	257	723	---
Magnesium	ppm	2	2	6	---
Zinc	ppm	442	501	555	---
Phosphorus	ppm	329	378	450	---
Barium	ppm	0	0	0	---
Boron	ppm	0	0	0	---

Depot: UNICICIL
Unique No: 10963291
Signed: Wes Davis
Report Date: 05 Apr 2024

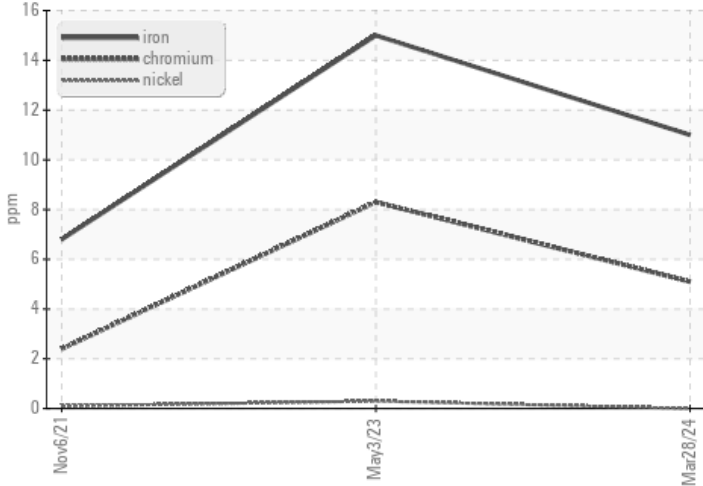


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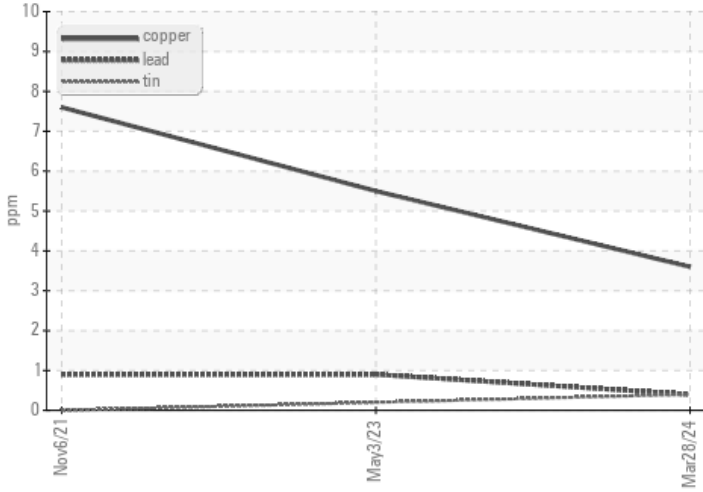


GRAPHS

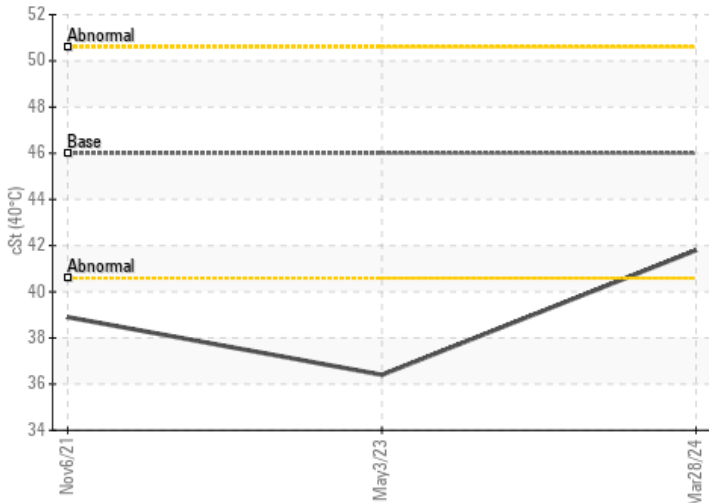
Ferrous Alloys



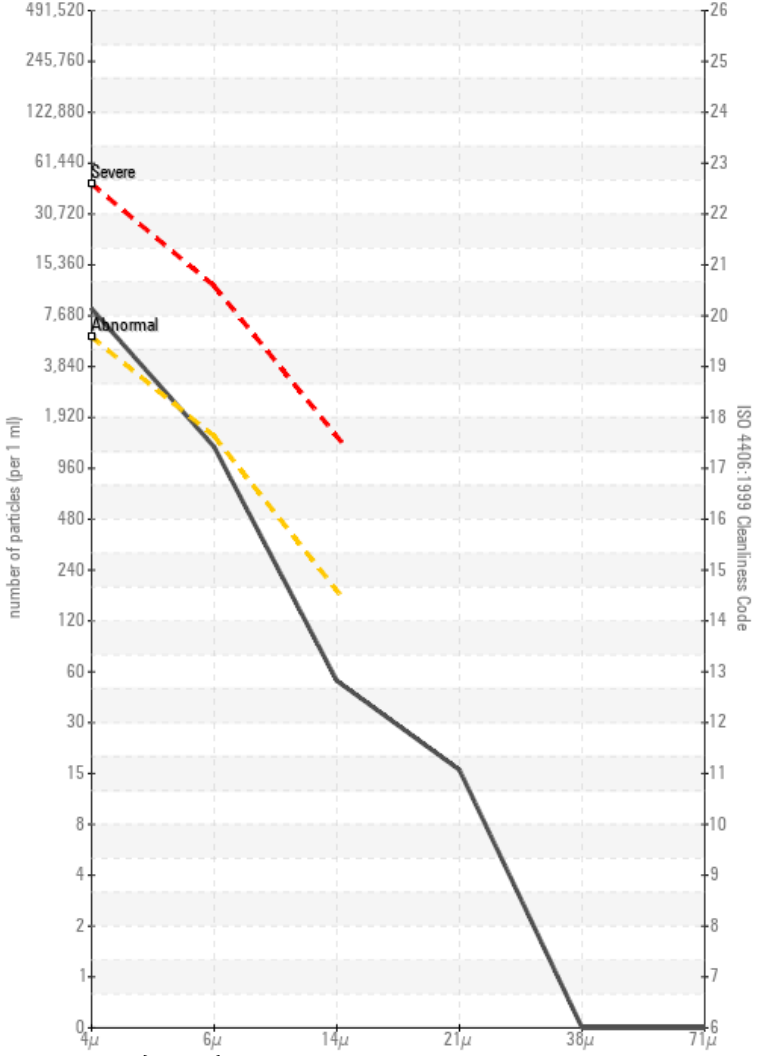
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

