



CONSTRUCTION EQUIPMENT

AMG SENNEBOGEN 835 835.0.2547 - HYDRAULIC SYSTEM



Sample No: VCP434047
Oil Type: SENNEBOGEN HO46
Job No: AMG



SAMPLE INFORMATION

Sample Number	VCP434047	VCP422149	VCP411557	---
Sample Date	03 Jan 2024	15 Sep 2023	07 Jul 2023	---
Machine Hours	11478	10840	10362	---
Oil Hours	2000	1500	1500	---
Oil Changed	Not Chngd	Not Chngd	N/A	---
Sample Status	ABNORMAL	NORMAL	SEVERE	---

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OIL CONDITION

Visc @ 40°C	cSt	43.7	43.3	43.3	---
Acid Number (AN)	mg KOH/g	0.56	0.47	0.49	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		24456	2175	37984	---
Particles >6µm		2996	654	10392	---
Particles >14µm		83	50	587	---
ISO 4406:1999 (c)		22/19/14	18/17/13	22/21/16	---
Silicon	ppm	2	2	3	---
Sodium	ppm	2	2	3	---
Potassium	ppm	0	<1	<1	---

Diagnosis
 No corrective action is recommended at this time. 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	8	10	10	---
Copper	ppm	3	4	4	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	<1	2	3	---
Chromium	ppm	4	5	4	---
Molybdenum	ppm	0	1	1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---



ADDITIVES

Calcium	ppm	190	217	240	---
Magnesium	ppm	16	14	12	---
Zinc	ppm	453	479	475	---
Phosphorus	ppm	373	362	367	---
Barium	ppm	0	0	0	---
Boron	ppm	1	0	0	---

Depot: GRESOUNJ
Unique No: 10835613
Signed: Don Baldrige
Report Date: 20 Jan 2024

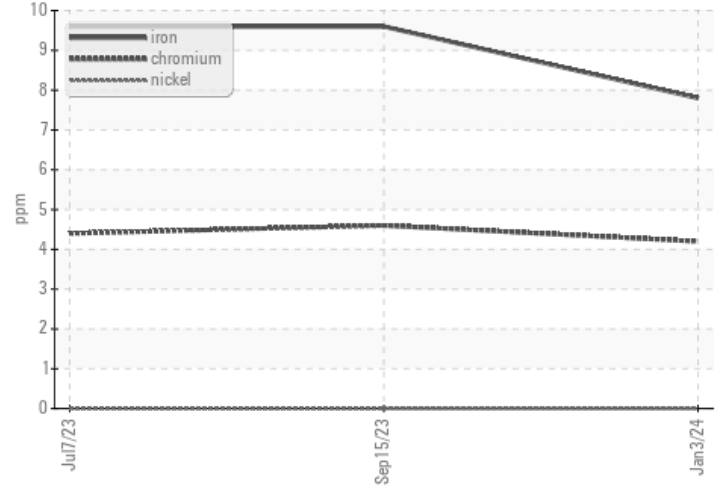


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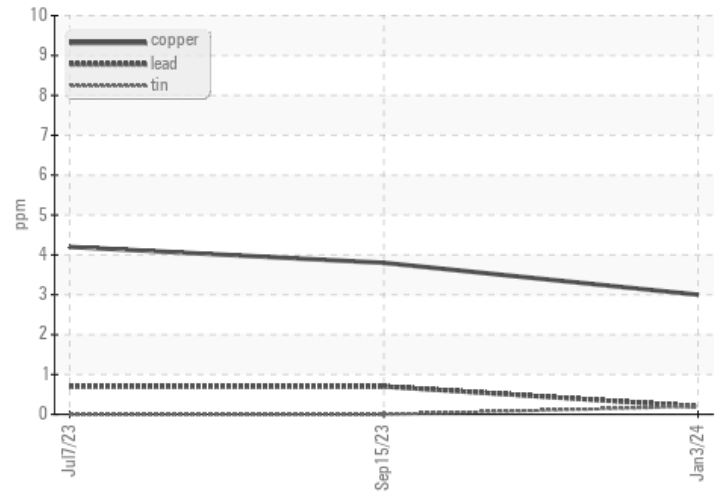


GRAPHS

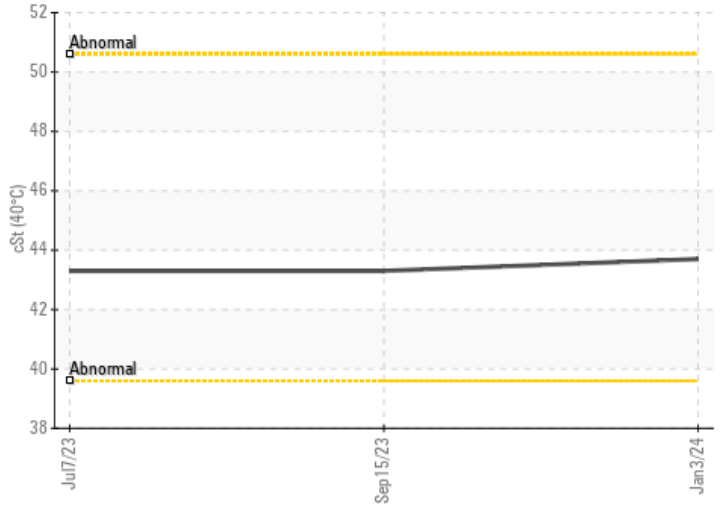
Ferrous Alloys



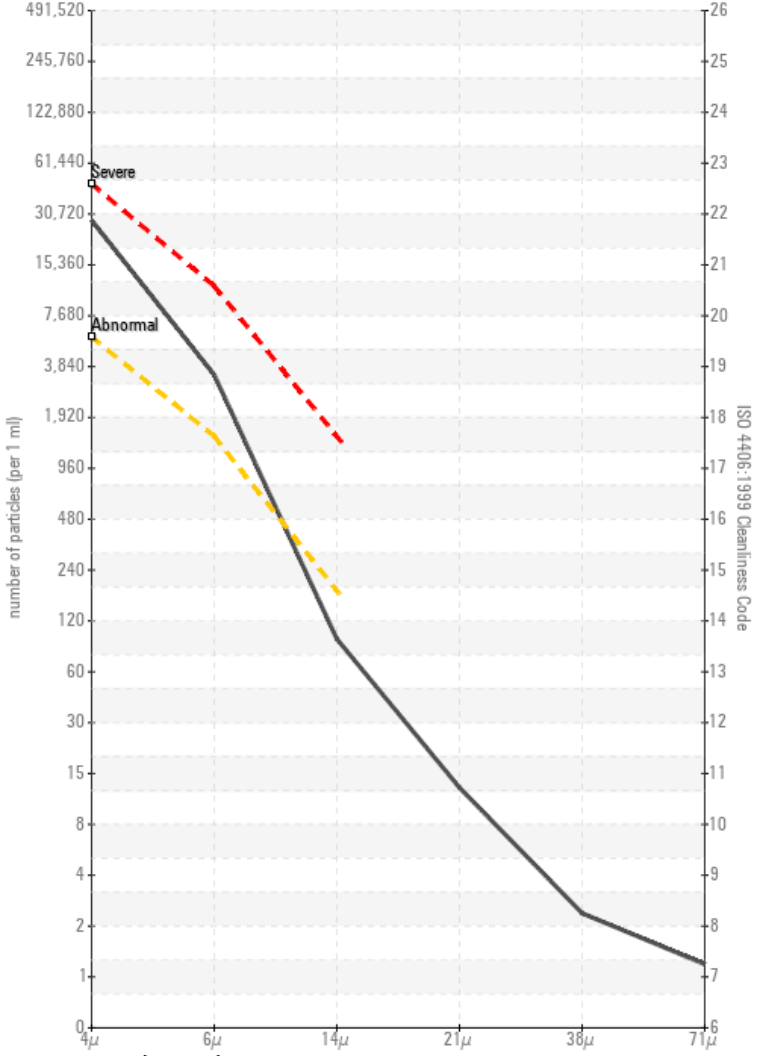
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

