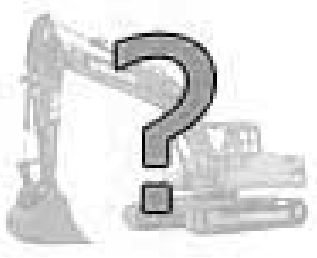
CONSTRUCTION EQUIPMENT

CMC SENNEBOGEN 850 850.0.3186 - HYDRAULIC SYSTEM

Sample No: VCP438681
Oil Type: SENNEBOGEN HO46
Job No: CMC



GREEN MACHINE SERVICES LLC
13 SPYROS DRIVE
SOUTH AMBOY, NJ
US 08879
Contact: JOE GRZANKOWSKI
JOE@GREENMSRV.COM
T: (732)673-5920
F:

SAMPLE INFORMATION

Sample Number		**VCP438681**	VCP407674	---	---
Sample Date		**02 Jan 2024**	11 Sep 2023	---	---
Machine Hours		**1899**	446	---	---
Oil Hours		**1899**	446	---	---
Oil Changed		**Not Changd**	Not Changd	---	---
Sample Status		**ABNORMAL**	ABNORMAL	---	---

OIL CONDITION

Visc @ 40°C	cSt	**39.9**	38.7	---	---
Acid Number (AN)	mg KOH/g	**0.99**	1.15	---	---

CONTAMINATION

Water	%	**NEG**	NEG	---	---
Particles >4µm		**39540**	98195	---	---
Particles >6µm		**3544**	13390	---	---
Particles >14µm		**51**	334	---	---
ISO 4406:1999 (c)		**22/19/13**	24/21/16	---	---
Silicon	ppm	**2**	3	---	---
Sodium	ppm	**2**	2	---	---
Potassium	ppm	**0**	1	---	---

WEAR METALS

Iron	ppm	**8**	5	---	---
Copper	ppm	**2**	2	---	---
Lead	ppm	**<1**	<1	---	---
Tin	ppm	**<1**	0	---	---
Aluminum	ppm	**<1**	4	---	---
Chromium	ppm	**1**	1	---	---
Molybdenum	ppm	**0**	0	---	---
Nickel	ppm	**0**	0	---	---
Titanium	ppm	**0**	0	---	---
Silver	ppm	**0**	0	---	---
Manganese	ppm	**<1**	<1	---	---
Vanadium	ppm	**0**	0	---	---

ADDITIVES

Calcium	ppm	**1222**	1314	---	---
Magnesium	ppm	**12**	10	---	---
Zinc	ppm	**709**	748	---	---
Phosphorus	ppm	**637**	619	---	---
Barium	ppm	**0**	0	---	---
Boron	ppm	**0**	0	---	---

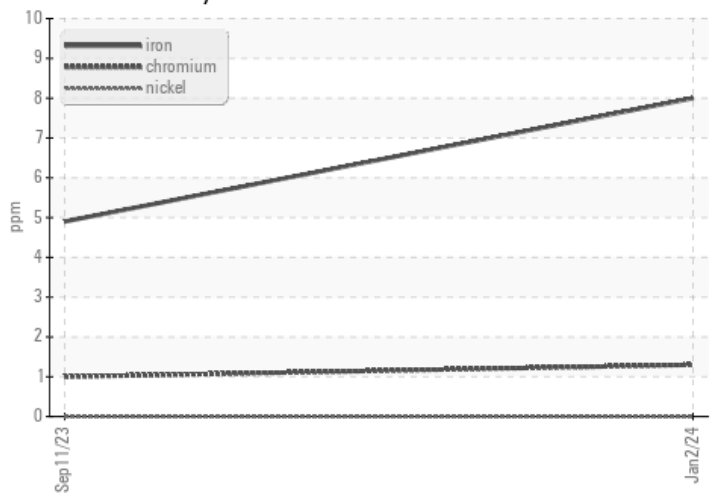
Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

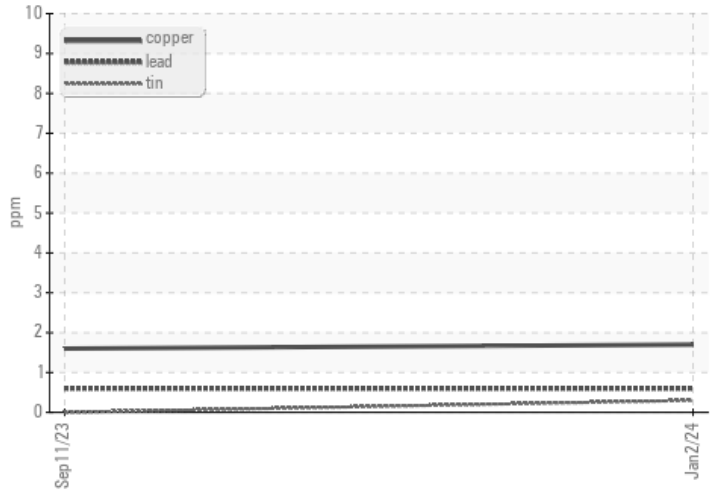
Depot: GRESOUNJ
Unique No: 10835614
Signed: Wes Davis
Report Date: 19 Jan 2024

GRAPHS

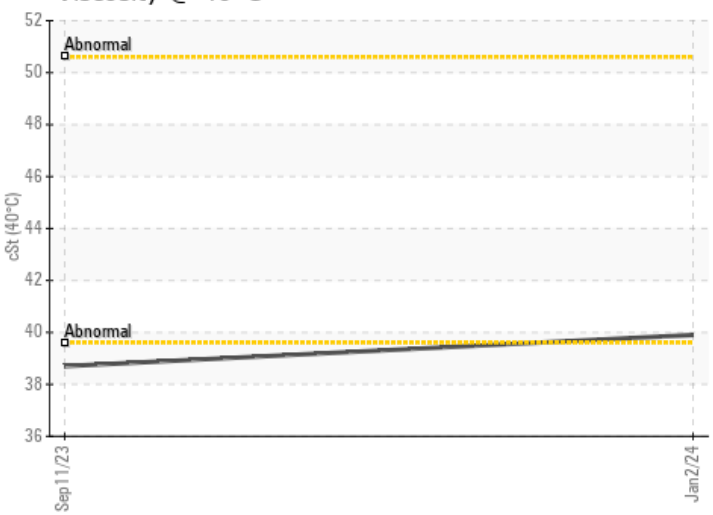
Ferrous Alloys



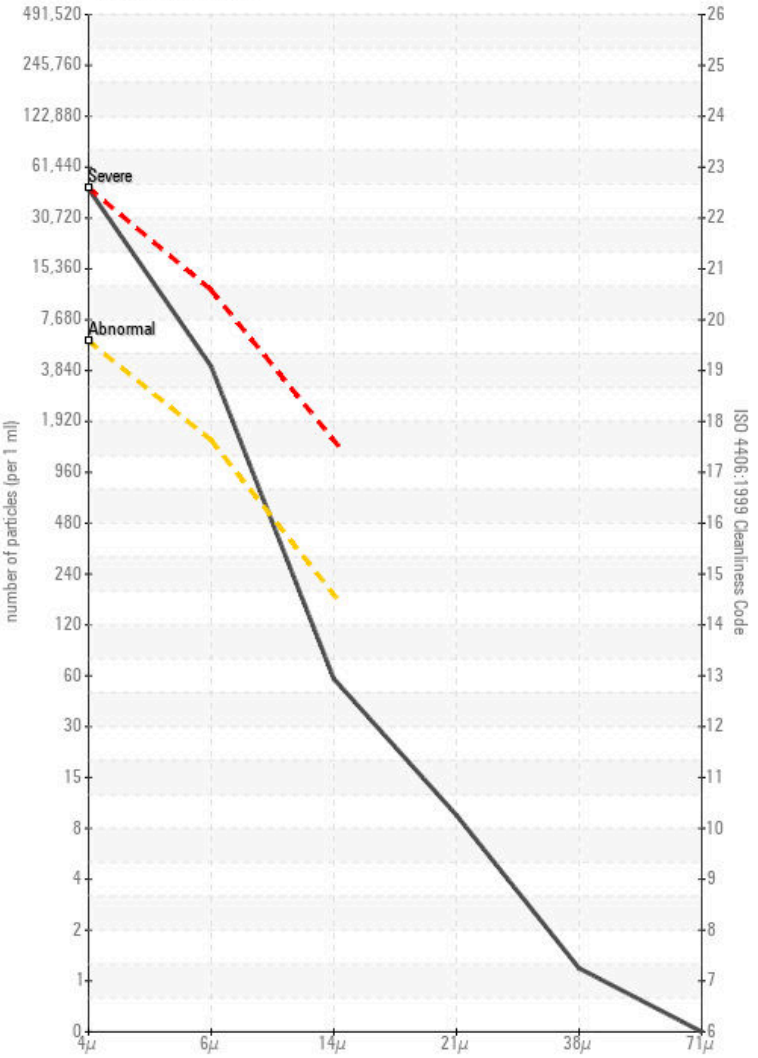
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number