

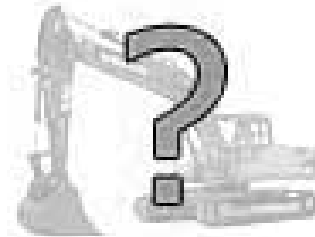


CONSTRUCTION EQUIPMENT

SENNEBOGEN 870M 870.0.345 - HYDRAULIC SYSTEM



Sample No: VCP431377
Oil Type: SENNEBOGEN HO46
Job No:



SAMPLE INFORMATION

Sample Number	VCP431377	---	---	---
Sample Date	09 Jan 2024	---	---	---
Machine Hours	17500	---	---	---
Oil Hours	1500	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---

DONJON MARINE
 100 CENTRAL AVE
 HILLSIDE, NJ
 US 07205
 Contact:

OIL CONDITION

Visc @ 40°C	cSt	█ 41.8	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.50	---	---	---

T: (908)964-8812
 F:

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 93998	---	---	---
Particles >6µm		● 22729	---	---	---
Particles >14µm		▲ 482	---	---	---
ISO 4406:1999 (c)		24/22/16	---	---	---
Silicon	ppm	█ 4	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation. 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 oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

WEAR METALS

Iron	ppm	█ 7	---	---	---
Copper	ppm	█ 4	---	---	---
Lead	ppm	█ <1	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 1	---	---	---
Chromium	ppm	█ 4	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	79	---	---	---
Magnesium	ppm	21	---	---	---
Zinc	ppm	435	---	---	---
Phosphorus	ppm	354	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Depot: DONHILNJ
Unique No: 10835616
Signed: Wes Davis
Report Date: 19 Jan 2024

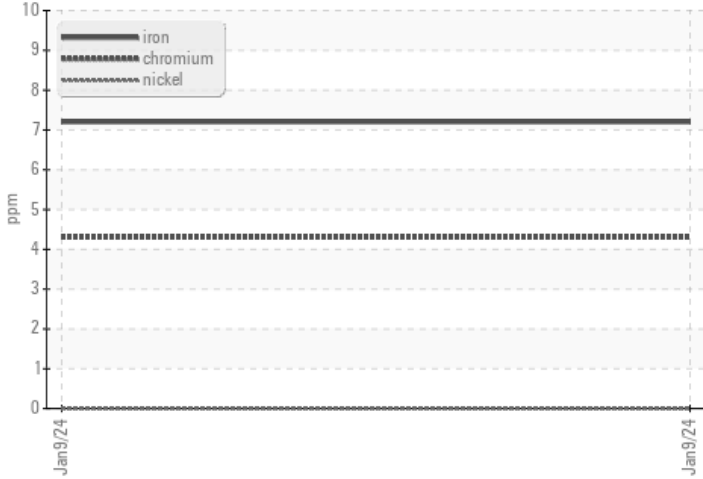


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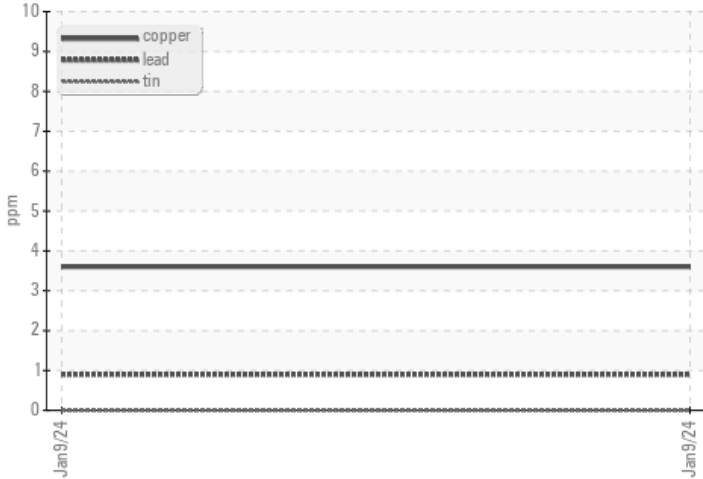


GRAPHS

Ferrous Alloys



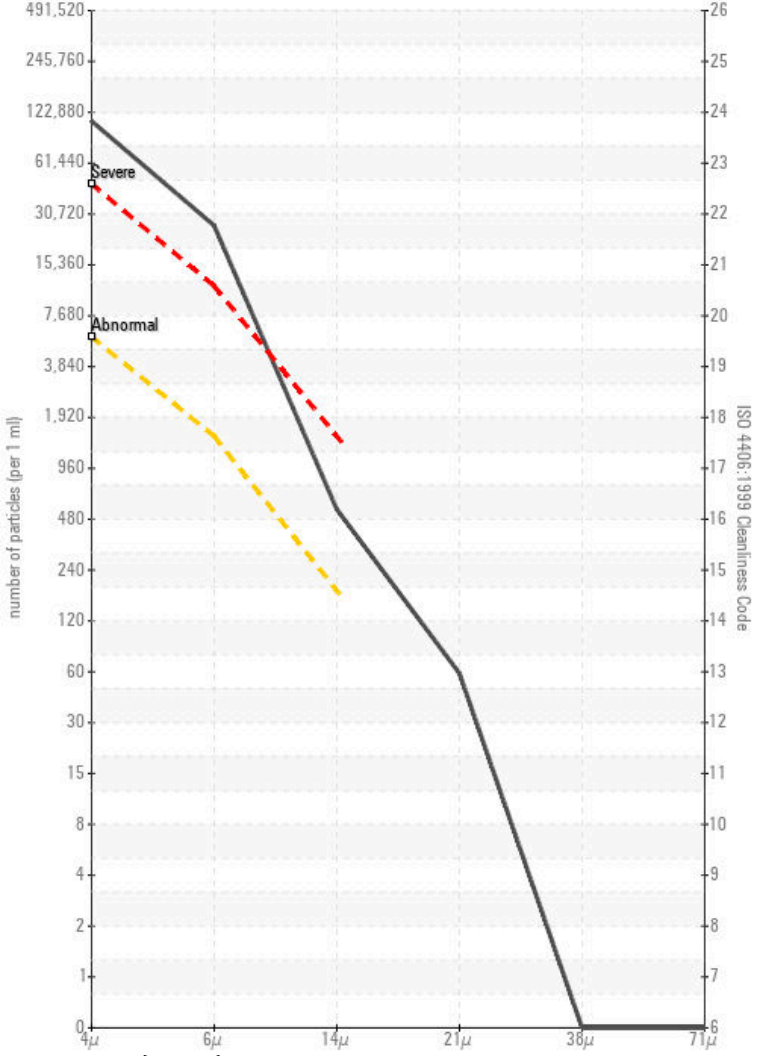
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

