



CONSTRUCTION EQUIPMENT

433400 BEFORE FILTER SENNEBOGEN 835 835.0.3282 - HYDRAULIC SYSTEM



Sample No: VCP425249
Oil Type: NOT GIVEN
Job No: 433400 BEFORE FILTER



SAMPLE INFORMATION

Sample Number	VCP425249	---	---	---
Sample Date	07 Dec 2023	---	---	---
Machine Hours	216	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

BELSON STEEL
1685 N STATE RTE 50
BOURBONNAIS, IL
US 60914
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F:

OIL CONDITION

Visc @ 40°C	cSt	█ 41.6	---	---	---
Acid Number (AN)	mg KOH/g	█ 1.31	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 226855	---	---	---
Particles >6µm		● 82102	---	---	---
Particles >14µm		▲ 737	---	---	---
ISO 4406:1999 (c)		25/24/17	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. 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. Resample in 30-45 days to monitor this situation. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a high amount of particulates (2 to 100 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	█ 9	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ <1	---	---	---
Chromium	ppm	█ 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	1294	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	703	---	---	---
Phosphorus	ppm	622	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: BELBOU
Unique No: 10792953
Signed: Wes Davis
Report Date: 19 Dec 2023

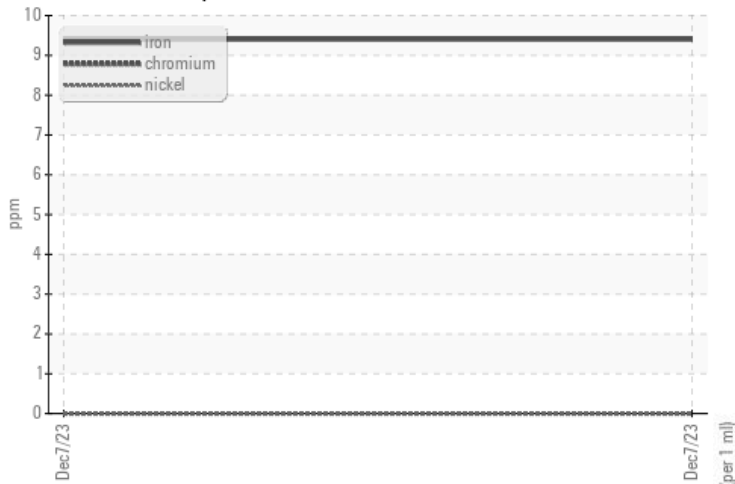


CONSTRUCTION EQUIPMENT

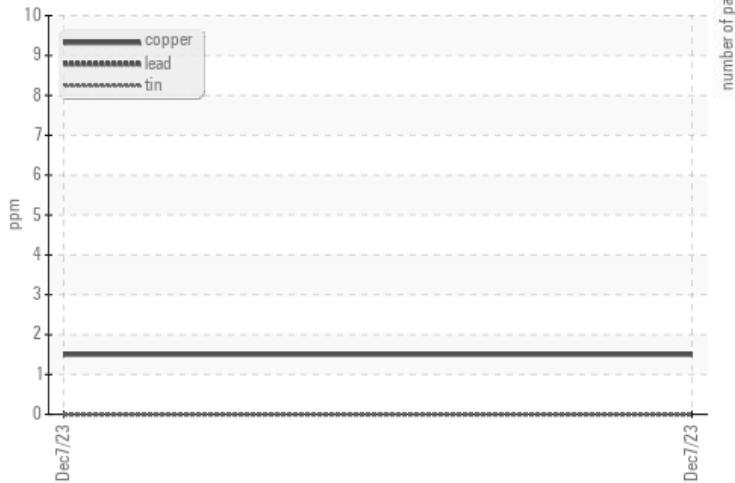


GRAPHS

Ferrous Alloys



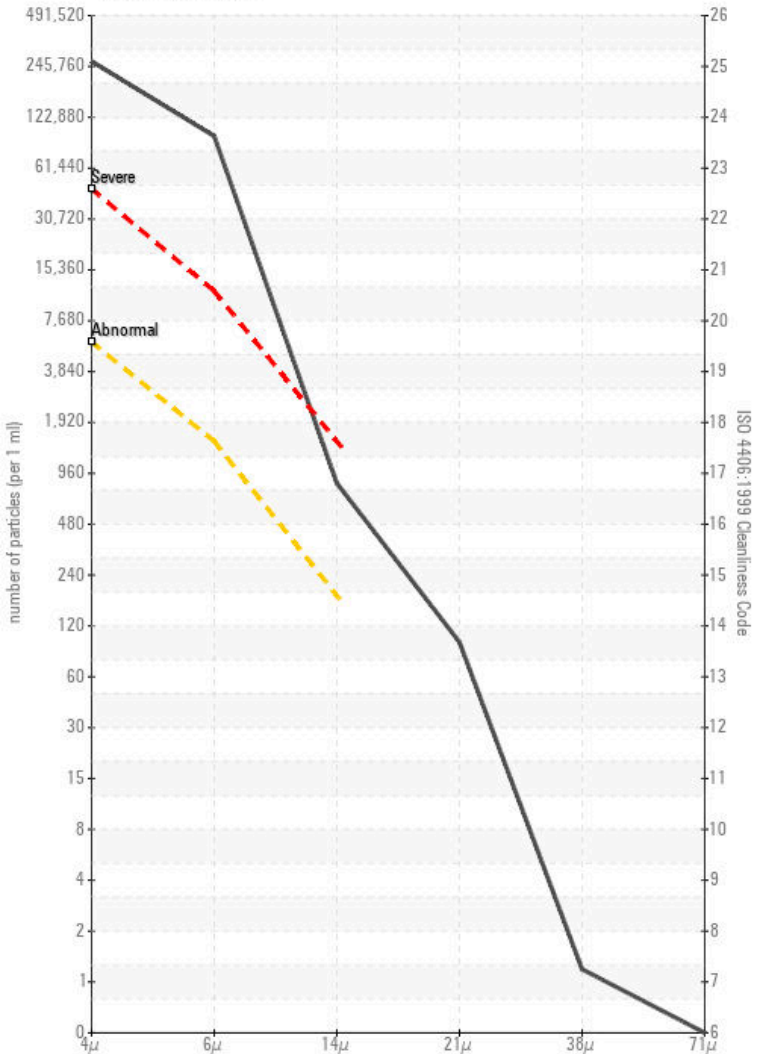
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

