



CONSTRUCTION EQUIPMENT

GAETE RECYCLING SENNEBOGEN 821 821.0.2583 - HYDRAULIC SYSTEM



Sample No: VCP416460
Oil Type: SENNEBOGEN HO46
Job No: GAETE RECYCLING



SAMPLE INFORMATION

Sample Number	VCP416460	---	---	---
Sample Date	08 Dec 2023	---	---	---
Machine Hours	2563	---	---	---
Oil Hours	2000	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

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

OIL CONDITION

Visc @ 40°C	cSt	█ 44.4	---	---	---
Acid Number (AN)	mg KOH/g	█ 0.51	---	---	---

CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 90960	---	---	---
Particles >6µm		● 15797	---	---	---
Particles >14µm		█ 58	---	---	---
ISO 4406:1999 (c)		24/21/13	---	---	---
Silicon	ppm	█ 1	---	---	---
Sodium	ppm	█ 2	---	---	---
Potassium	ppm	█ 0	---	---	---

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. The filter change at the time of sampling has been noted. 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	█ 0	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---

ADDITIVES

Calcium	ppm	107	---	---	---
Magnesium	ppm	17	---	---	---
Zinc	ppm	462	---	---	---
Phosphorus	ppm	377	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Depot: GRESOUNJ
Unique No: 10835621
Signed: Wes Davis
Report Date: 19 Jan 2024

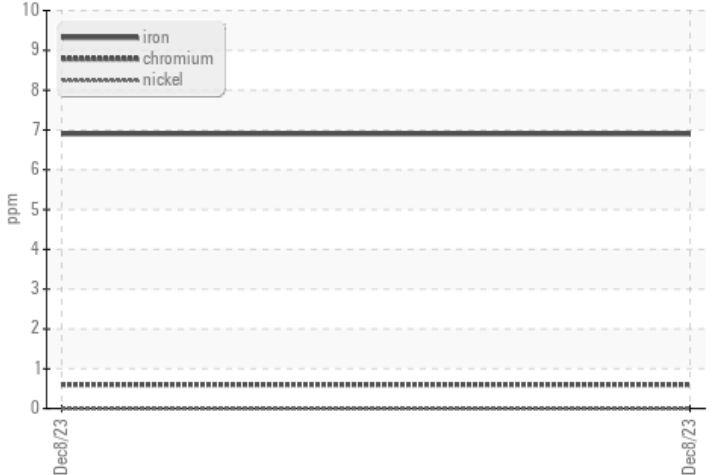


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GRAPHS

Ferrous Alloys



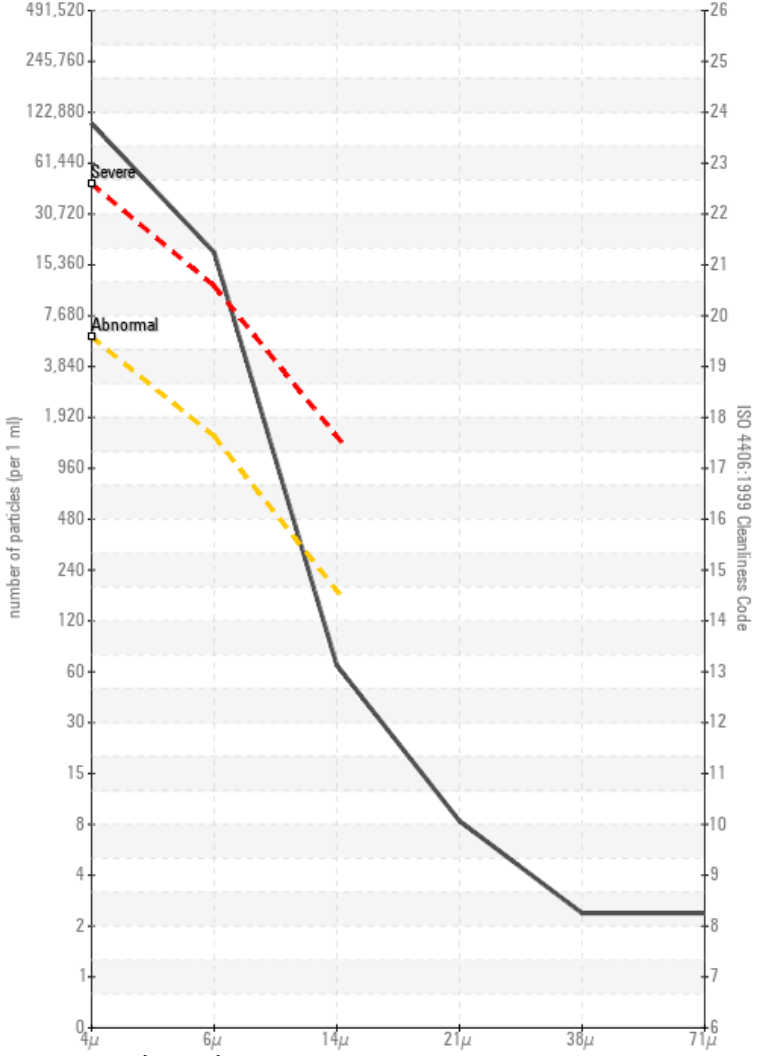
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

