



CONSTRUCTION EQUIPMENT

SENNEBOGEN 870 870.0.1004 - HYDRAULIC SYSTEM



Sample No: VCP431379
Oil Type: SENNEBOGEN HO46
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | VCP431379 | --- | --- | --- |
| Sample Date | 27 Dec 2023 | --- | --- | --- |
| Machine Hours | 7688 | --- | --- | --- |
| Oil Hours | 2000 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

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

OIL CONDITION

| | | | | | |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C | cSt | █ 43.3 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | █ 0.59 | --- | --- | --- |

T: (908)964-8812
 F:

CONTAMINATION

| | | | | | |
|-------------------|-----|----------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Particles >4µm | | ▲ 25003 | --- | --- | --- |
| Particles >6µm | | ▲ 2262 | --- | --- | --- |
| Particles >14µm | | █ 31 | --- | --- | --- |
| ISO 4406:1999 (c) | | 22/18/12 | --- | --- | --- |
| Silicon | ppm | █ 3 | --- | --- | --- |
| Sodium | ppm | █ 4 | --- | --- | --- |
| Potassium | ppm | █ 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 acceptable for the time in service.

WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | █ 7 | --- | --- | --- |
| Copper | ppm | █ 2 | --- | --- | --- |
| Lead | ppm | █ <1 | --- | --- | --- |
| Tin | ppm | █ 0 | --- | --- | --- |
| Aluminum | ppm | █ 1 | --- | --- | --- |
| Chromium | ppm | █ 4 | --- | --- | --- |
| Molybdenum | ppm | 0 | --- | --- | --- |
| Nickel | ppm | █ 0 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |

ADDITIVES

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Calcium | ppm | 195 | --- | --- | --- |
| Magnesium | ppm | 9 | --- | --- | --- |
| Zinc | ppm | 467 | --- | --- | --- |
| Phosphorus | ppm | 384 | --- | --- | --- |
| Barium | ppm | 0 | --- | --- | --- |
| Boron | ppm | <1 | --- | --- | --- |

Depot: DONHILNJ
Unique No: 10835610
Signed: Don Baldrige
Report Date: 22 Jan 2024

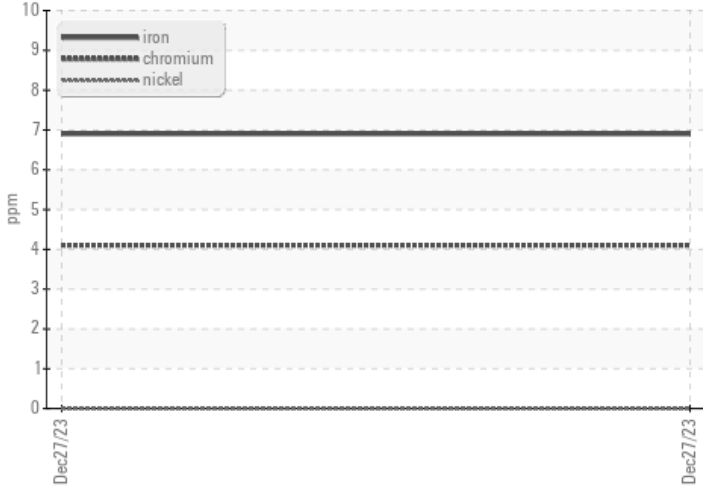


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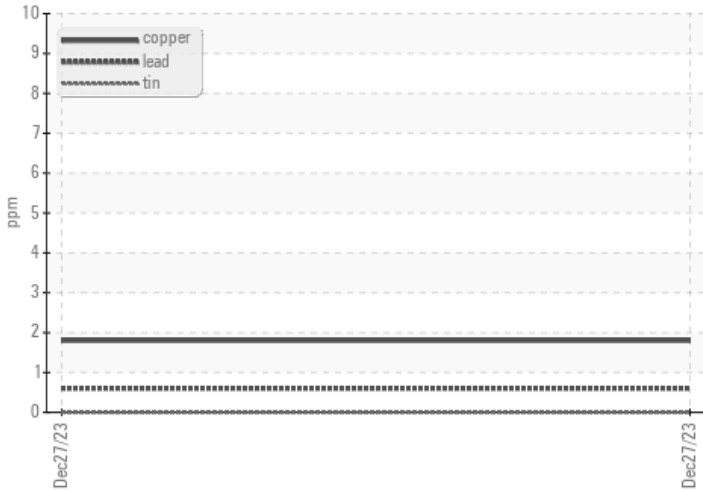


GRAPHS

Ferrous Alloys



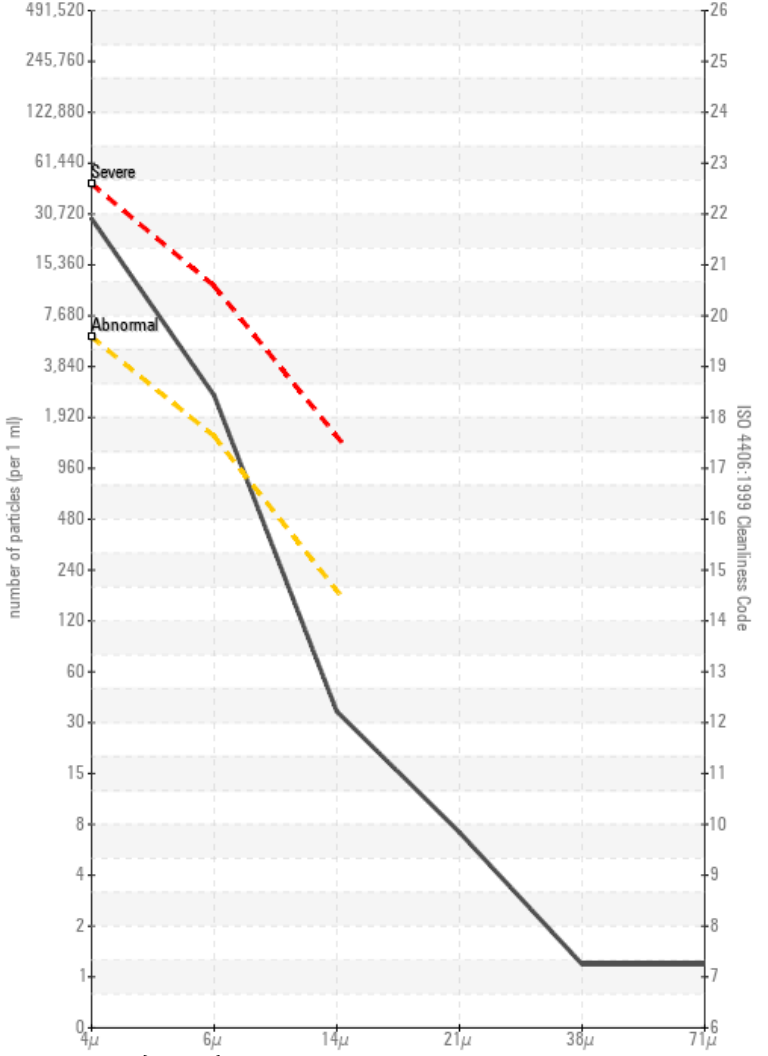
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

