

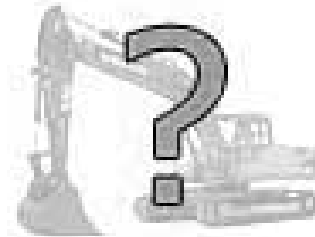


CONSTRUCTION EQUIPMENT

SENNEBOGEN 830E 830.O.2726 - HYDRAULIC SYSTEM



Sample No: VCP406659
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-----|
| Sample Number | VCP406659 | VCP373625 | VCP342682 | --- |
| Sample Date | 21 Jul 2023 | 11 Jan 2023 | 08 Mar 2022 | --- |
| Machine Hours | 10523 | 8763 | 13895 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | ATTENTION | ABNORMAL | NORMAL | --- |

UNITED SCRAP

1545 S CICERO AVE
 CICERO, IL
 US 60804
 Contact: RON LUCHTENBURG
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 T:
 F:



OIL CONDITION

| | | | | | |
|------------------|----------|-------------|------|------|-----|
| Visc @ 40°C | cSt | 42.8 | 42.9 | 43.8 | --- |
| Acid Number (AN) | mg KOH/g | 0.30 | 0.36 | 0.42 | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|-----------------|----------|----------|-----|
| Water | % | NEG | NEG | NEG | --- |
| Particles >4µm | | 7409 | 21826 | 823 | --- |
| Particles >6µm | | 247 | 6797 | 141 | --- |
| Particles >14µm | | 12 | 309 | 13 | --- |
| ISO 4406:1999 (c) | | 20/15/11 | 22/20/15 | 17/14/11 | --- |
| Silicon | ppm | <1 | 1 | 1 | --- |
| Sodium | ppm | 3 | 2 | <1 | --- |
| Potassium | ppm | 0 | 0 | 1 | --- |

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light 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 suitable for further service.



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|-----|
| Iron | ppm | 6 | 8 | 10 | --- |
| Copper | ppm | 6 | 2 | 3 | --- |
| Lead | ppm | 0 | 0 | <1 | --- |
| Tin | ppm | 0 | 0 | 0 | --- |
| Aluminum | ppm | 0 | <1 | <1 | --- |
| Chromium | ppm | 8 | 7 | 7 | --- |
| Molybdenum | ppm | 0 | <1 | <1 | --- |
| Nickel | ppm | 0 | 0 | 0 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | 0 | 0 | 0 | --- |
| Vanadium | ppm | <1 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------------|-----|-----|-----|
| Calcium | ppm | 56 | 67 | 93 | --- |
| Magnesium | ppm | 0 | <1 | 3 | --- |
| Zinc | ppm | 456 | 483 | 422 | --- |
| Phosphorus | ppm | 361 | 387 | 335 | --- |
| Barium | ppm | 0 | 0 | 0 | --- |
| Boron | ppm | 0 | 0 | 0 | --- |

Depot: UNICICIL
Unique No: 10802683
Signed: Wes Davis
Report Date: 22 Dec 2023

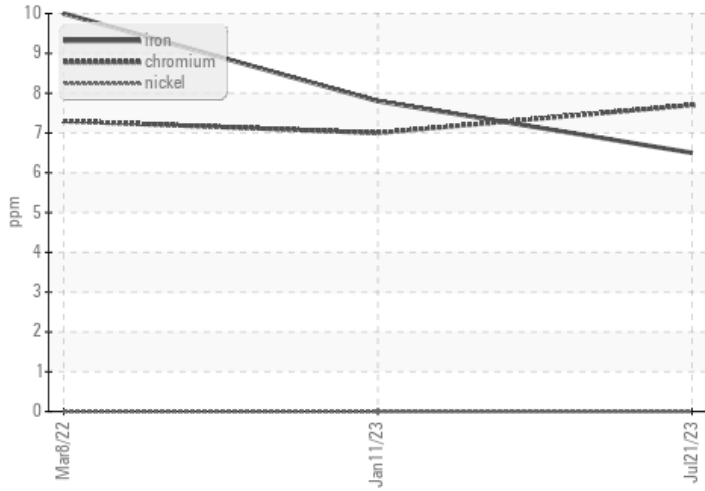


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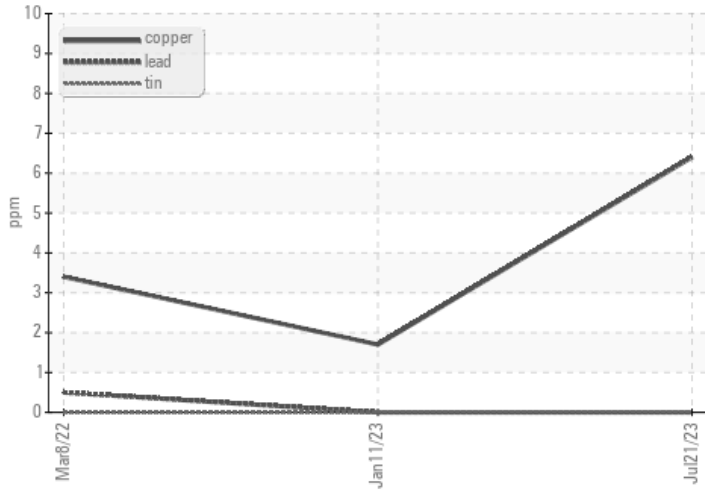


VOLVO GRAPHS

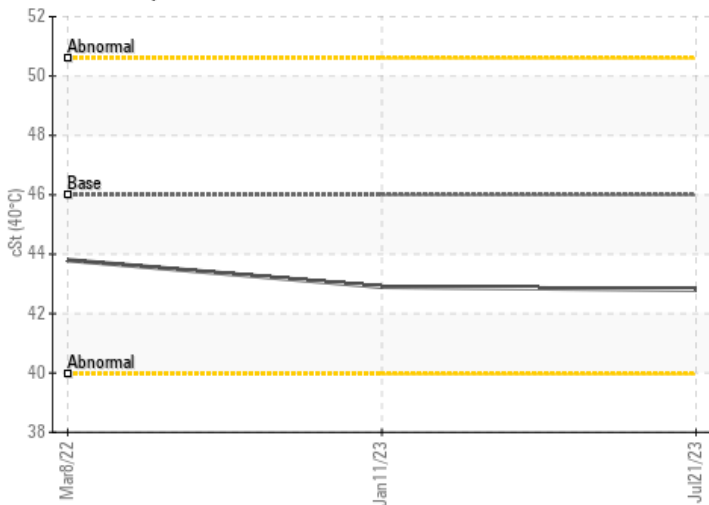
Ferrous Alloys



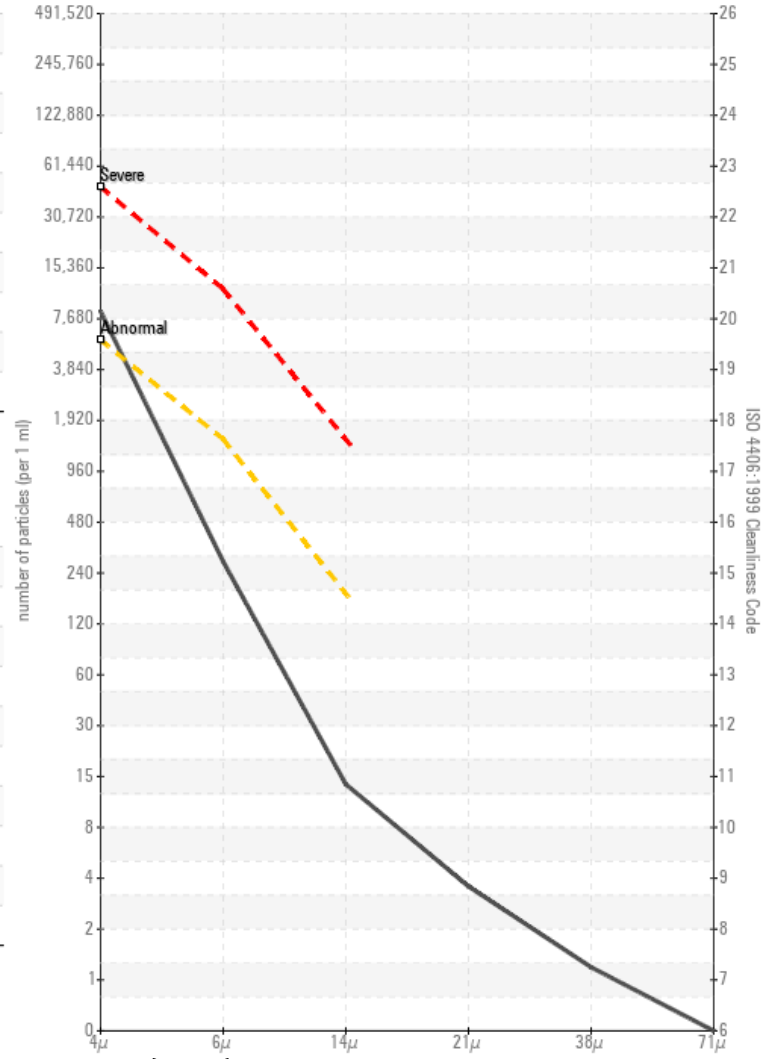
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

