



CONSTRUCTION EQUIPMENT

SENNEBOGEN 825 825.0.2340 - HYDRAULIC SYSTEM



Sample No: VCP414355
Oil Type: AW HYDRAULIC OIL ISO 46
Job No:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | VCP414355 | VCP380669 | --- | --- |
| Sample Date | 04 Aug 2023 | 01 Jun 2023 | --- | --- |
| Machine Hours | 21800 | 22090 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

UNITED SCRAP

1545 S CICERO AVE
 CICERO, IL
 US 60804
 Contact: RON LUCHTENBURG
 rluchten@unitedscrap.com
 T:
 F:



OIL CONDITION

| | | | | | |
|------------------|----------|-------|-------|-----|-----|
| Visc @ 40°C | cSt | █44.0 | █43.5 | --- | --- |
| Acid Number (AN) | mg KOH/g | █0.30 | █0.37 | --- | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|----------|----------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Particles >4µm | | █290 | █1941 | --- | --- |
| Particles >6µm | | █45 | █491 | --- | --- |
| Particles >14µm | | █7 | █27 | --- | --- |
| ISO 4406:1999 (c) | | 15/13/10 | 18/16/12 | --- | --- |
| Silicon | ppm | █<1 | █<1 | --- | --- |
| Sodium | ppm | █4 | █3 | --- | --- |
| Potassium | ppm | █0 | █0 | --- | --- |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

| | | | | | |
|------------|-----|----|-----|-----|-----|
| Iron | ppm | █4 | █8 | --- | --- |
| Copper | ppm | █1 | █2 | --- | --- |
| Lead | ppm | █0 | █0 | --- | --- |
| Tin | ppm | █0 | █0 | --- | --- |
| Aluminum | ppm | █0 | █<1 | --- | --- |
| Chromium | ppm | █9 | █13 | --- | --- |
| Molybdenum | ppm | █0 | █1 | --- | --- |
| Nickel | ppm | █0 | █0 | --- | --- |
| Titanium | ppm | 0 | <1 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | █0 | █<1 | --- | --- |
| Vanadium | ppm | <1 | <1 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|------|-----|-----|
| Calcium | ppm | █51 | █69 | --- | --- |
| Magnesium | ppm | █0 | █3 | --- | --- |
| Zinc | ppm | █443 | █477 | --- | --- |
| Phosphorus | ppm | █361 | █398 | --- | --- |
| Barium | ppm | █0 | █0 | --- | --- |
| Boron | ppm | █0 | █0 | --- | --- |

Depot: UNICICIL
Unique No: 10802684
Signed: Wes Davis
Report Date: 22 Dec 2023

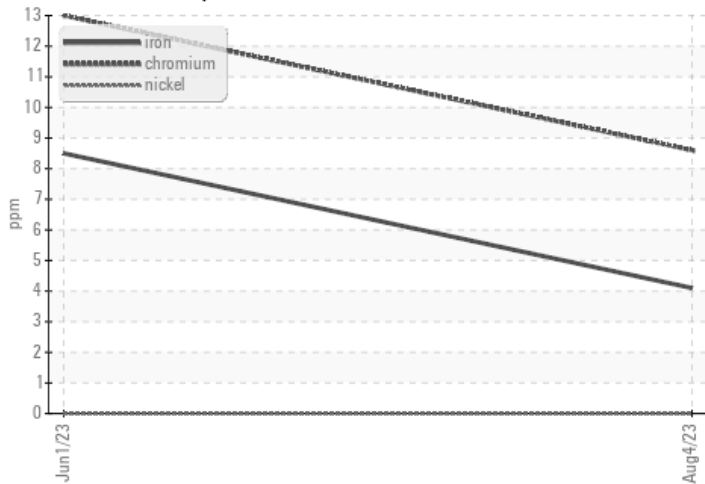


CONSTRUCTION EQUIPMENT

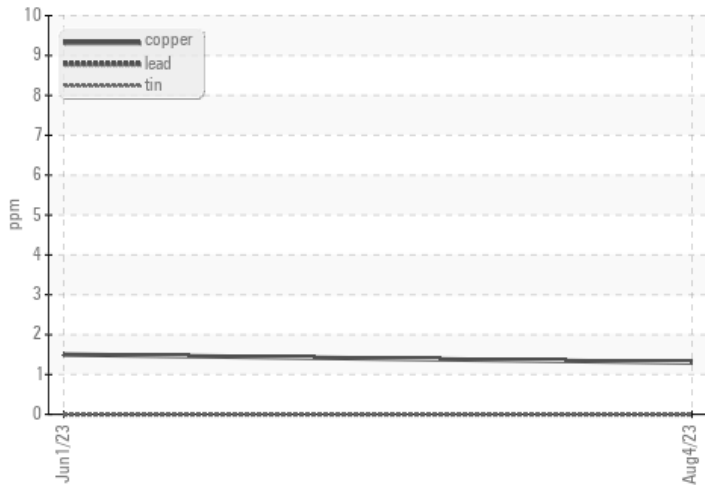


GRAPHS

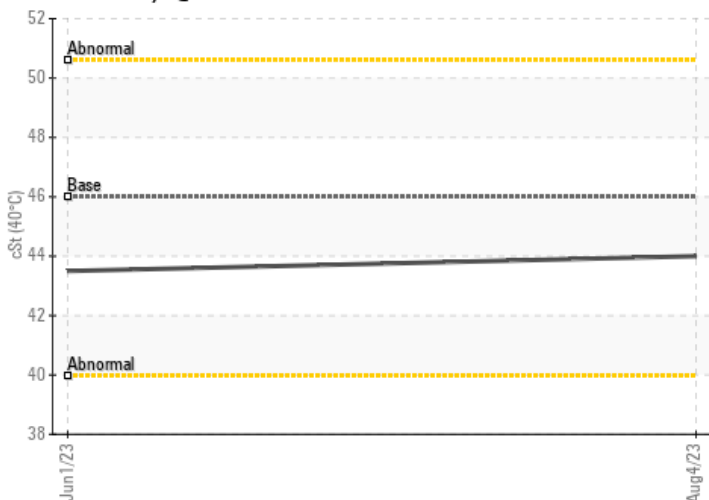
Ferrous Alloys



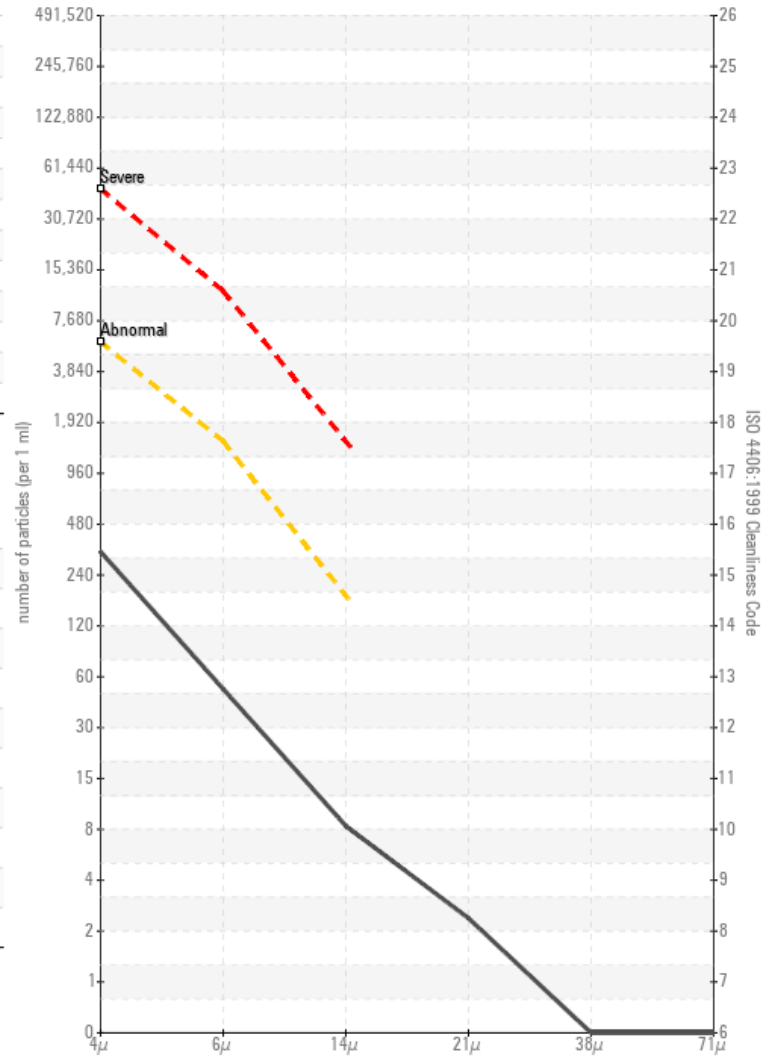
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

