

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 B2-1760-67494 - Hydraulic System

Sample No: LH0268574

Oil Type: LIEBHERR HYDRAULIC HVI



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0268574 | --- | --- | --- |
| Sample Date | 05 Feb 2024 | --- | --- | --- |
| Machine Hours | 2992 | --- | --- | --- |
| Oil Hours | 843 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD
 RALEIGH, NC
 US 27603
 Contact: TAYLOR BLALOCK
 taylor.blalock@liebherr.com
 T: (757)718-0491
 F: (919)329-0084



OIL CONDITION

| | | | | | |
|------------------|----------|------|-----|-----|-----|
| Visc @ 40°C | cSt | 43.9 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | 0.62 | --- | --- | --- |



CONTAMINATION

| | | | | | |
|-------------------|-----|----------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Particles >4µm | | 7897 | --- | --- | --- |
| Particles >6µm | | 1374 | --- | --- | --- |
| Particles >14µm | | 79 | --- | --- | --- |
| ISO 4406:1999 (c) | | 20/18/13 | --- | --- | --- |
| Silicon | ppm | 2 | --- | --- | --- |
| Sodium | ppm | <1 | --- | --- | --- |
| Potassium | ppm | 2 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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 | 4 | --- | --- | --- |
| Copper | ppm | 3 | --- | --- | --- |
| Lead | ppm | 3 | --- | --- | --- |
| Tin | ppm | <1 | --- | --- | --- |
| Aluminum | ppm | 1 | --- | --- | --- |
| Chromium | ppm | <1 | --- | --- | --- |
| Molybdenum | ppm | <1 | --- | --- | --- |
| Nickel | ppm | <1 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

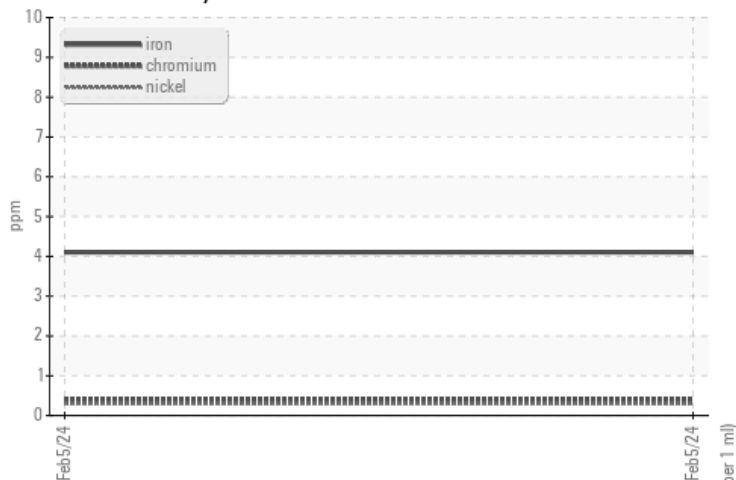
| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Calcium | ppm | 471 | --- | --- | --- |
| Magnesium | ppm | 6 | --- | --- | --- |
| Zinc | ppm | 567 | --- | --- | --- |
| Phosphorus | ppm | 447 | --- | --- | --- |
| Barium | ppm | 0 | --- | --- | --- |
| Boron | ppm | 0 | --- | --- | --- |

Depot: LIEBHERRNC
 Unique No: 10863389
 Signed: Don Baldrige
 Report Date: 08 Feb 2024

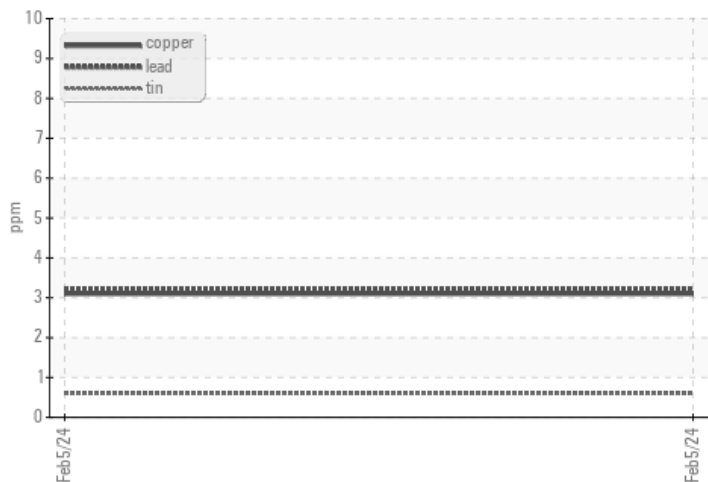


GRAPHS

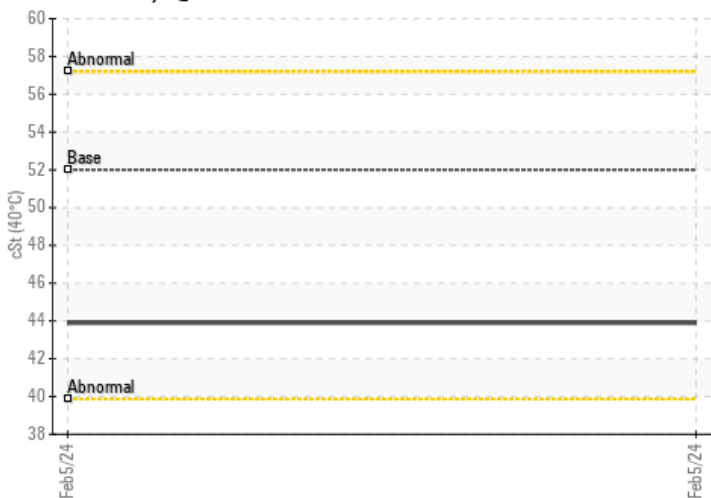
Ferrous Alloys



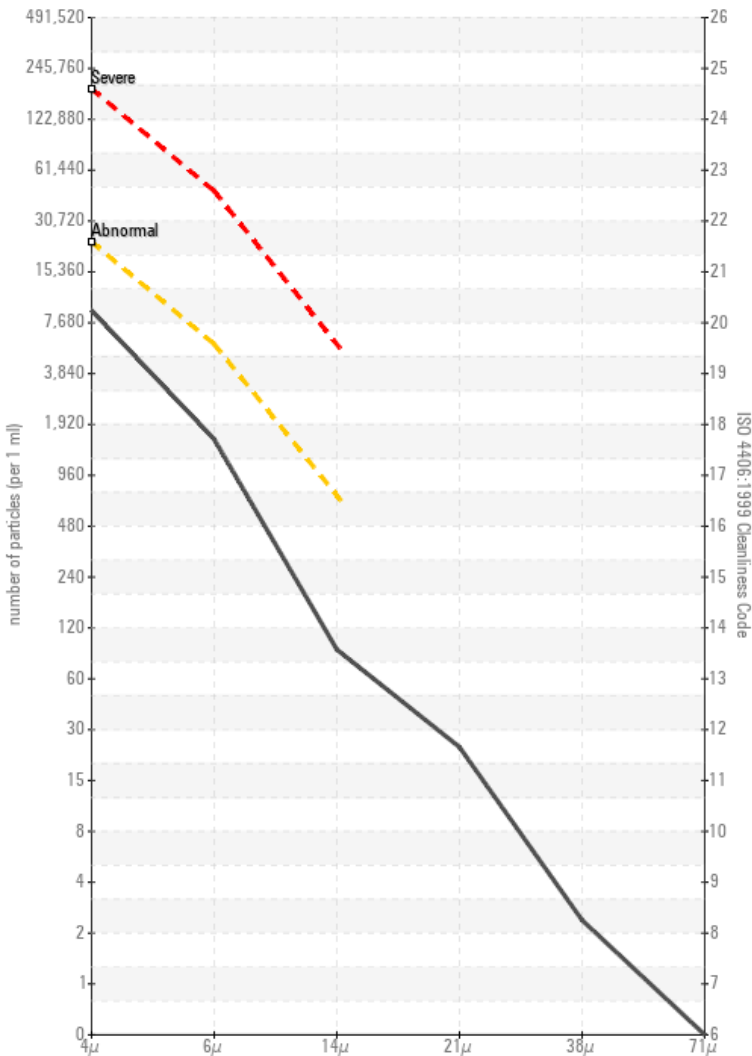
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

