

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LRT 1100-2.1 Bigge LRT (S/N 044808) - Swing Drive

Sample No: LH0257764

Oil Type: {unknown}



Sample Information

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0257764 | --- | --- | --- |
| Sample Date | 21 May 2024 | --- | --- | --- |
| Machine Hours | 0 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

LIEBHERR CRANE INC
 7075 BENNINGTON ST
 HOUSTON, TX
 US 77028
 Contact: ALEXANDER BUECH
 alexander.buech@liebherr.com
 T:
 F: (713)636-4039



Oil Condition

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 201 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



Contamination

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | ● 1 | --- | --- | --- |
| Sodium | ppm | ● 3 | --- | --- | --- |
| Potassium | ppm | ● <1 | --- | --- | --- |



Wear Metals

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | ● 23 | --- | --- | --- |
| Copper | ppm | ● 0 | --- | --- | --- |
| Lead | ppm | ● 0 | --- | --- | --- |
| Tin | ppm | ● 0 | --- | --- | --- |
| Aluminum | ppm | ● <1 | --- | --- | --- |
| Chromium | ppm | ● 0 | --- | --- | --- |
| Molybdenum | ppm | <1 | --- | --- | --- |
| Nickel | ppm | ● 0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | 2 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



Additives

| | | | | | |
|------------|-----|-----|-----|-----|-----|
| Calcium | ppm | 8 | --- | --- | --- |
| Magnesium | ppm | 0 | --- | --- | --- |
| Zinc | ppm | 0 | --- | --- | --- |
| Phosphorus | ppm | 139 | --- | --- | --- |
| Barium | ppm | 0 | --- | --- | --- |
| Boron | ppm | 0 | --- | --- | --- |

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

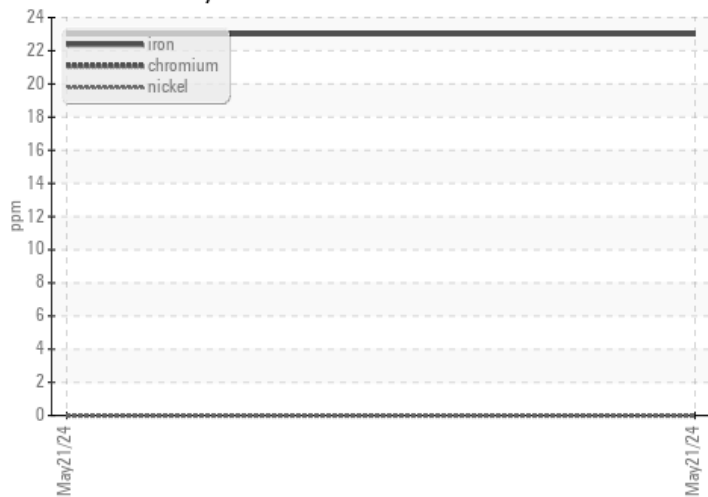
Depot: LIEHOU
 Unique No: 11044852
 Signed: Sean Felton
 Report Date: 24 May 2024

Submitted By: ALEXANDER BUECH

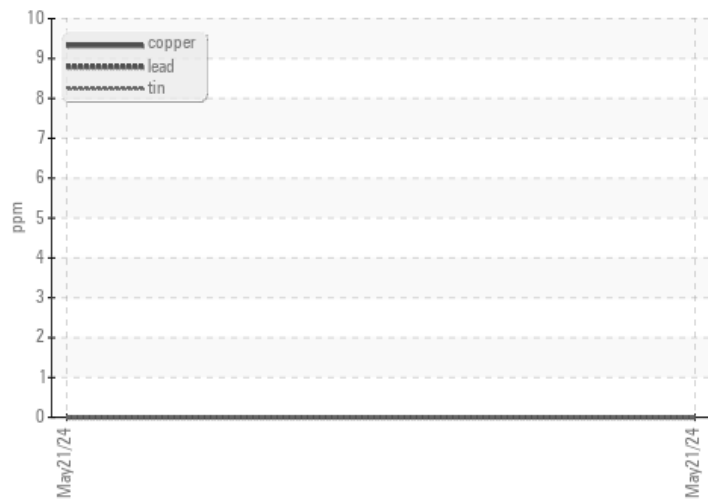


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

