

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A944 054454-194 - Pump Distribution Gear

Sample No: LH0264436

Oil Type: LIEBHERR GEAR BASIC 90 LS



**UNITED STATES GYPSUM**  
 301 RILEY RD  
 EAST CHICAGO, IN  
 US 43612  
 Contact: Service Manager



#### Sample Information

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0264436   | --- | --- | --- |
| Sample Date   | 29 Mar 2024 | --- | --- | --- |
| Machine Hours | 7425        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Not Chngd   | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |



#### Oil Condition

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 178 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|

T:  
F:



#### Contamination

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | --- | --- | --- |
| Silicon   | ppm | ● 4 | --- | --- | --- |
| Sodium    | ppm | ● 3 | --- | --- | --- |
| Potassium | ppm | ● 2 | --- | --- | --- |

#### Diagnosis

Resample at the next service interval to monitor. 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.



#### Wear Metals

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | ● 86 | --- | --- | --- |
| Copper     | ppm | ● 0  | --- | --- | --- |
| Lead       | ppm | ● 0  | --- | --- | --- |
| Tin        | ppm | ● <1 | --- | --- | --- |
| Aluminum   | ppm | ● <1 | --- | --- | --- |
| Chromium   | ppm | ● <1 | --- | --- | --- |
| Molybdenum | ppm | ● 0  | --- | --- | --- |
| Nickel     | ppm | ● 0  | --- | --- | --- |
| Titanium   | ppm | <1   | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | ● 1  | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



#### Additives

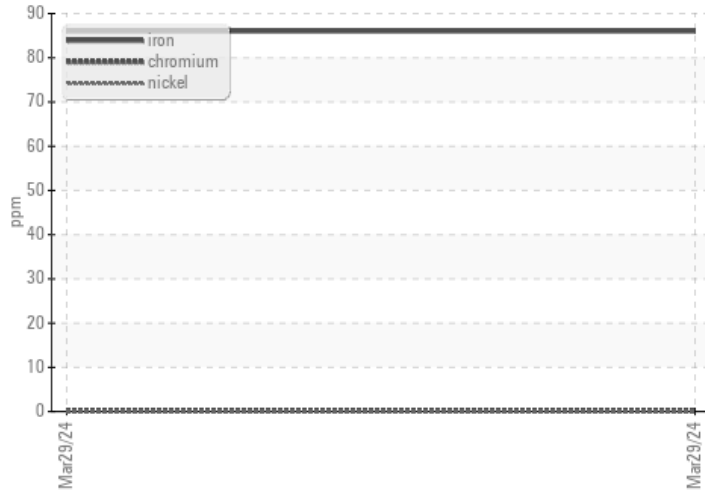
|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ● 66   | --- | --- | --- |
| Magnesium  | ppm | ● 0    | --- | --- | --- |
| Zinc       | ppm | ● 121  | --- | --- | --- |
| Phosphorus | ppm | ● 2253 | --- | --- | --- |
| Barium     | ppm | ● 0    | --- | --- | --- |
| Boron      | ppm | ● 25   | --- | --- | --- |

**Depot:** UNIEASLH  
**Unique No:** 10957222  
**Signed:** Wes Davis  
**Report Date:** 04 Apr 2024

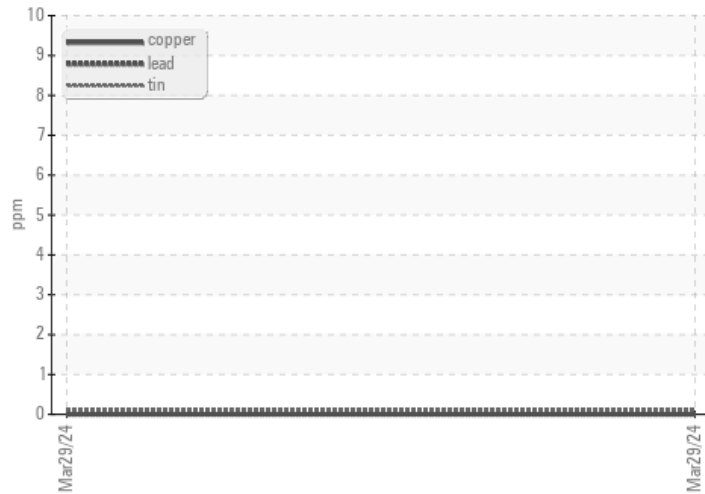


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

