

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 093999-1215 - Splitter Box

Sample No: LH0243897

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE  
NEWPORT NEWS, VA  
US 23607

Contact: LUKE APPLEBY  
Lucas.Appleby@liebherr.com  
T:  
F: (757)298-8700



#### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0243897   | --- | --- | --- |
| Sample Date   | 28 Feb 2024 | --- | --- | --- |
| Machine Hours | 13886       | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |



#### OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 135 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



#### CONTAMINATION

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



#### WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | ● 25 | --- | --- | --- |
| Copper     | ppm | ● <1 | --- | --- | --- |
| Lead       | ppm | ● 0  | --- | --- | --- |
| Tin        | ppm | ● <1 | --- | --- | --- |
| Aluminum   | ppm | ● <1 | --- | --- | --- |
| Chromium   | ppm | ● 0  | --- | --- | --- |
| Molybdenum | ppm | ● 0  | --- | --- | --- |
| Nickel     | ppm | ● <1 | --- | --- | --- |
| Titanium   | ppm | ● 0  | --- | --- | --- |
| Silver     | ppm | ● 0  | --- | --- | --- |
| Manganese  | ppm | ● <1 | --- | --- | --- |
| Vanadium   | ppm | ● 0  | --- | --- | --- |



#### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ● 105  | --- | --- | --- |
| Magnesium  | ppm | ● 3    | --- | --- | --- |
| Zinc       | ppm | ● 128  | --- | --- | --- |
| Phosphorus | ppm | ● 1761 | --- | --- | --- |
| Barium     | ppm | ● 0    | --- | --- | --- |
| Boron      | ppm | ● 0    | --- | --- | --- |

#### Diagnosis

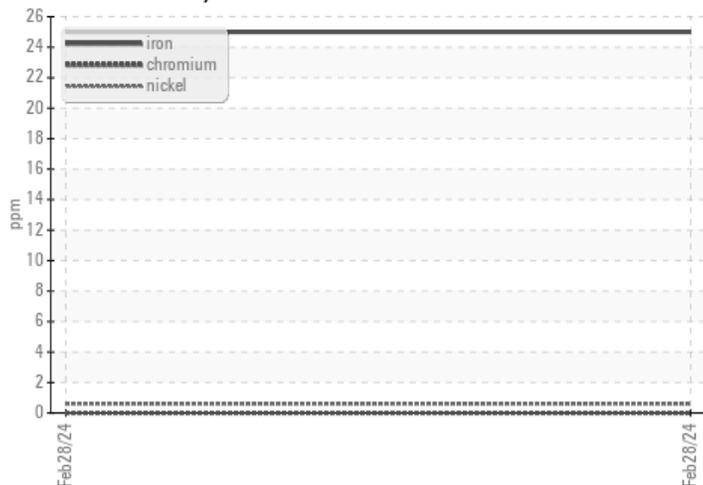
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRUS  
Unique No: 10915869  
Signed: Wes Davis  
Report Date: 14 Mar 2024

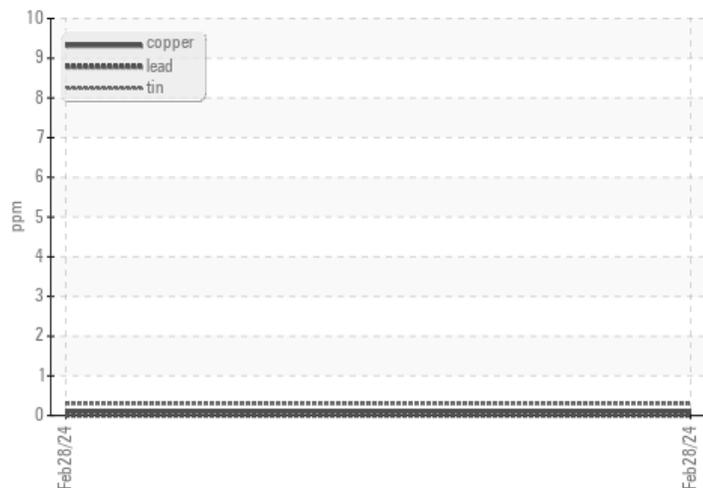


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

