

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH80M 1213-92590 - Splitter Box

Sample No: LH06230513

Oil Type: GEAR OIL SAE 80W90



#### OZINGA BROS INC

19001 OLD LAGRANDE RD, SUITE 300  
MOKENA, IL  
US 60448  
Contact: TOM KONIECZNY  
tom.konieczny@imcrushingllc.com  
T: (847)344-1443  
F:



#### Sample Information

|               |             |             |             |             |
|---------------|-------------|-------------|-------------|-------------|
| Sample Number | LH06230513  | LHMC119816  | LHMC130097  | LHMC130520  |
| Sample Date   | 27 Mar 2024 | 22 Feb 2021 | 09 May 2020 | 27 Nov 2019 |
| Machine Hours | 11144       | 7463        | 6109        | 5341        |
| Oil Hours     | 1000        | 500         | 750         | 500         |
| Oil Changed   | Changed     | Changed     | Changed     | Changed     |
| Sample Status | NORMAL      | NORMAL      | NORMAL      | NORMAL      |



#### Oil Condition

|             |     |     |     |     |     |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 141 | 176 | 182 | 185 |
|-------------|-----|-----|-----|-----|-----|



#### Contamination

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | NEG | NEG | NEG |
| Silicon   | ppm | 1   | 2   | 3   | 2   |
| Sodium    | ppm | 4   | <1  | 2   | 3   |
| Potassium | ppm | 4   | 1   | 8   | <1  |



#### Wear Metals

|            |     |    |    |    |    |
|------------|-----|----|----|----|----|
| Iron       | ppm | 44 | 26 | 13 | 19 |
| Copper     | ppm | 2  | 2  | 1  | <1 |
| Lead       | ppm | <1 | <1 | 7  | 0  |
| Tin        | ppm | 0  | 0  | 0  | <1 |
| Aluminum   | ppm | 2  | <1 | 0  | <1 |
| Chromium   | ppm | <1 | <1 | <1 | 1  |
| Molybdenum | ppm | 0  | <1 | 3  | <1 |
| Nickel     | ppm | <1 | <1 | 1  | <1 |
| Titanium   | ppm | 0  | 0  | 0  | 0  |
| Silver     | ppm | 0  | <1 | 0  | 0  |
| Manganese  | ppm | 2  | <1 | <1 | 0  |
| Vanadium   | ppm | 0  | 0  | 0  | 0  |



#### Additives

|            |     |      |      |      |      |
|------------|-----|------|------|------|------|
| Calcium    | ppm | 38   | 49   | 46   | 22   |
| Magnesium  | ppm | 5    | 2    | 2    | 0    |
| Zinc       | ppm | 10   | 51   | 26   | 10   |
| Phosphorus | ppm | 1173 | 2095 | 2078 | 2083 |
| Barium     | ppm | 0    | 0    | <1   | 0    |
| Boron      | ppm | 51   | 13   | 13   | 16   |

#### Diagnosis

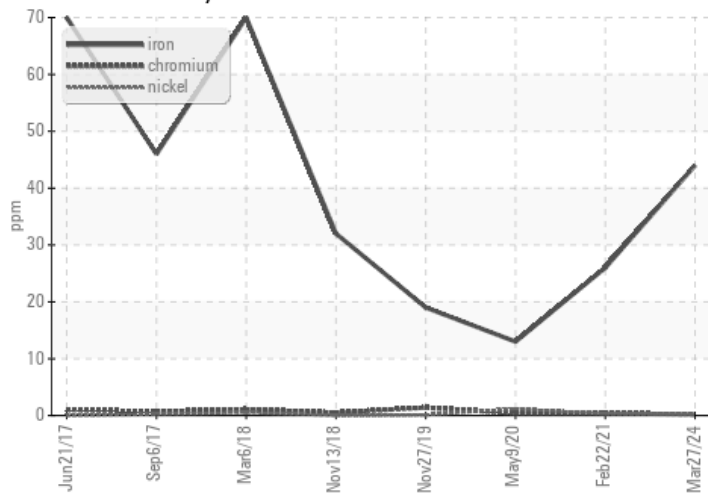
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: OZIMOKLH  
Unique No: 11114006  
Signed: Wes Davis  
Report Date: 10 Jul 2024

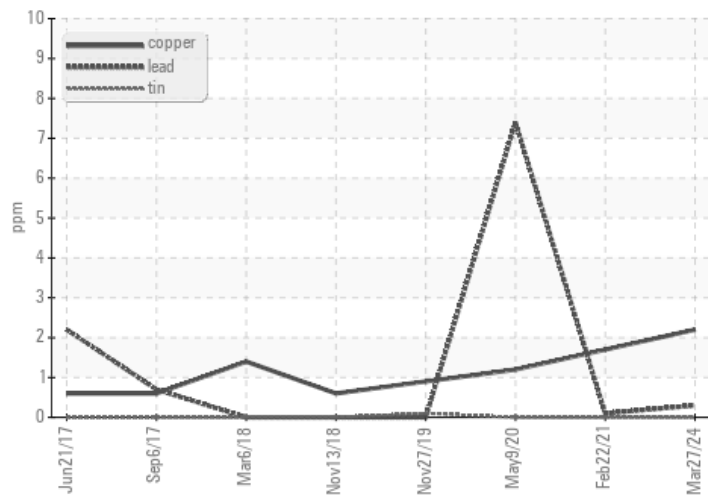


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

