

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR776 15946 - Right Final Drive

Sample No: LH0272632

Oil Type: CHEVRON MULTIGEAR EP5 80W90



**LIEBHERR MINING EQUIPMENT CO**  
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#### Sample Information

|               |             |             |             |     |
|---------------|-------------|-------------|-------------|-----|
| Sample Number | LH0272632   | LH0220503   | LH0220509   | --- |
| Sample Date   | 07 Feb 2024 | 14 Oct 2023 | 10 May 2023 | --- |
| Machine Hours | 10496       | 8488        | 9275        | --- |
| Oil Hours     | 0           | 0           | 0           | --- |
| Oil Changed   | Not Changd  | Not Changd  | Not Changd  | --- |
| Sample Status | NORMAL      | NORMAL      | NORMAL      | --- |



#### Oil Condition

|             |     |     |     |     |     |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 326 | 328 | 325 | --- |
|-------------|-----|-----|-----|-----|-----|



#### Contamination

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | NEG | NEG | --- |
| Silicon   | ppm | 38  | 3   | 3   | --- |
| Sodium    | ppm | 9   | 6   | 3   | --- |
| Potassium | ppm | 23  | 2   | 0   | --- |



#### Wear Metals

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Iron       | ppm | 217 | 405 | 376 | --- |
| Copper     | ppm | 3   | 3   | 2   | --- |
| Lead       | ppm | <1  | 0   | 0   | --- |
| Tin        | ppm | <1  | 0   | 0   | --- |
| Aluminum   | ppm | 3   | <1  | 2   | --- |
| Chromium   | ppm | 2   | 3   | 3   | --- |
| Molybdenum | ppm | 3   | <1  | <1  | --- |
| Nickel     | ppm | 1   | <1  | <1  | --- |
| Titanium   | ppm | <1  | <1  | <1  | --- |
| Silver     | ppm | <1  | 0   | 0   | --- |
| Manganese  | ppm | 4   | 3   | 3   | --- |
| Vanadium   | ppm | <1  | 0   | 0   | --- |



#### Additives

|            |     |      |      |      |     |
|------------|-----|------|------|------|-----|
| Calcium    | ppm | 97   | 36   | 28   | --- |
| Magnesium  | ppm | 8    | <1   | <1   | --- |
| Zinc       | ppm | 96   | 54   | 42   | --- |
| Phosphorus | ppm | 1271 | 1160 | 1131 | --- |
| Barium     | ppm | 2    | 0    | 0    | --- |
| Boron      | ppm | 4    | 6    | 8    | --- |

#### Diagnosis

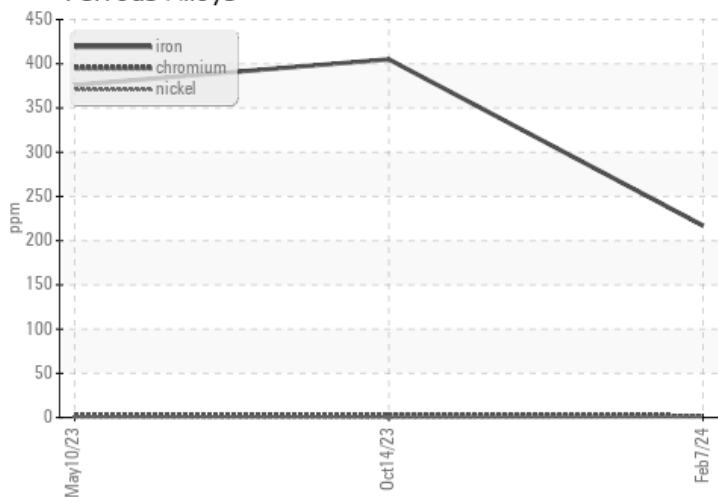
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEGIL  
 Unique No: 11090307  
 Signed: Sean Felton  
 Report Date: 25 Jun 2024

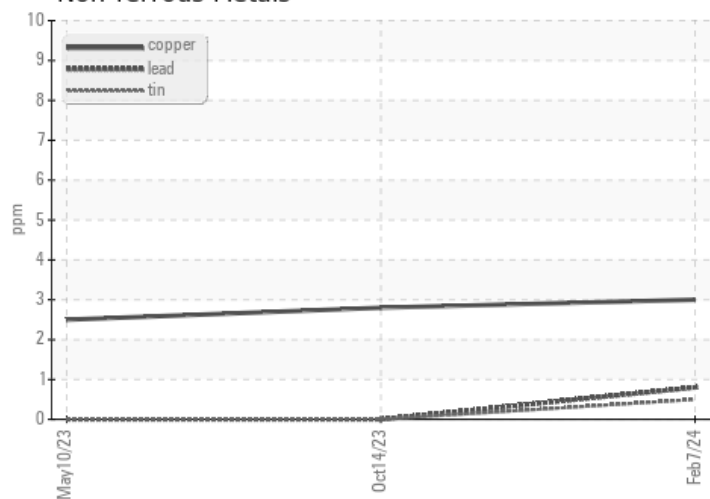


### Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

