

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 156305-1215 - Front Right Wheel Hub

Sample No: LH0278471

Oil Type: GEAR OIL SAE 80W90



**Urban Mine**  
72 Rothwell Rd.  
Winnipeg, MB  
CA R3P 2H7  
Contact: SERVICE

T: (204)774-0192  
F:

#### Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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.



#### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0278471   | --- | --- | --- |
| Sample Date   | 20 Feb 2024 | --- | --- | --- |
| Machine Hours | 536         | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |



#### OIL CONDITION

|             |     |       |     |     |     |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 140 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



#### CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | --- | --- | --- |
| Silicon   | ppm | ● 9 | --- | --- | --- |
| Sodium    | ppm | ● 5 | --- | --- | --- |
| Potassium | ppm | ● 2 | --- | --- | --- |



#### WEAR METALS

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | ● 44 | --- | --- | --- |
| Copper     | ppm | ● 37 | --- | --- | --- |
| Lead       | ppm | ● 1  | --- | --- | --- |
| Tin        | ppm | ● 0  | --- | --- | --- |
| Aluminum   | ppm | ● 2  | --- | --- | --- |
| Chromium   | ppm | ● <1 | --- | --- | --- |
| Molybdenum | ppm | ● <1 | --- | --- | --- |
| Nickel     | ppm | ● 0  | --- | --- | --- |
| Titanium   | ppm | ● 0  | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | ● 3  | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



#### ADDITIVES

|            |     |        |     |     |     |
|------------|-----|--------|-----|-----|-----|
| Calcium    | ppm | ● 135  | --- | --- | --- |
| Magnesium  | ppm | ● 2    | --- | --- | --- |
| Zinc       | ppm | ● 45   | --- | --- | --- |
| Phosphorus | ppm | ● 1449 | --- | --- | --- |
| Barium     | ppm | ● 0    | --- | --- | --- |
| Boron      | ppm | ● 4    | --- | --- | --- |

Depot: URBWIN  
Unique No: 5734616  
Signed: Wes Davis  
Report Date: 22 Feb 2024

Submitted By: Vincent Blanchette



### GRAPHS

