

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 72367 - Torque Convertor

Sample No: LH0250449

Oil Type: ZF ECOFLUID M



#### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0250449   | --- | --- | --- |
| Sample Date   | 28 Jun 2023 | --- | --- | --- |
| Machine Hours | 0           | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | NORMAL      | --- | --- | --- |

LIEBHERR CANADA LTD.

10374 267 ST.

ACHESON, AB

CA T7X 6A2

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#### OIL CONDITION

|             |     |      |     |     |     |
|-------------|-----|------|-----|-----|-----|
| Visc @ 40°C | cSt | 50.1 | --- | --- | --- |
|-------------|-----|------|-----|-----|-----|



#### CONTAMINATION

|           |     |    |     |     |     |
|-----------|-----|----|-----|-----|-----|
| Silicon   | ppm | 3  | --- | --- | --- |
| Sodium    | ppm | 5  | --- | --- | --- |
| Potassium | ppm | <1 | --- | --- | --- |

#### 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 | 9  | --- | --- | --- |
| Copper     | ppm | 2  | --- | --- | --- |
| Lead       | ppm | 5  | --- | --- | --- |
| Tin        | ppm | 0  | --- | --- | --- |
| Aluminum   | ppm | <1 | --- | --- | --- |
| Chromium   | ppm | 0  | --- | --- | --- |
| Molybdenum | ppm | <1 | --- | --- | --- |
| Nickel     | ppm | <1 | --- | --- | --- |
| Titanium   | ppm | 0  | --- | --- | --- |
| Silver     | ppm | 0  | --- | --- | --- |
| Manganese  | ppm | <1 | --- | --- | --- |
| Vanadium   | ppm | 0  | --- | --- | --- |



#### ADDITIVES

|            |     |     |     |     |     |
|------------|-----|-----|-----|-----|-----|
| Calcium    | ppm | 698 | --- | --- | --- |
| Magnesium  | ppm | 4   | --- | --- | --- |
| Zinc       | ppm | 7   | --- | --- | --- |
| Phosphorus | ppm | 538 | --- | --- | --- |
| Barium     | ppm | 4   | --- | --- | --- |
| Boron      | ppm | 2   | --- | --- | --- |

Depot: LIESPR

Unique No: 5604664

Signed: Wes Davis

Report Date: 30 Jun 2023



### GRAPHS

