

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 114405-1215 - Transmission (Manual)

Sample No: LH0270641

Oil Type: PETRO CANADA 10W40



**ELG Canada**  
4375 CORPORATE DRIVE  
BURLINGTON, ON  
CA L7L 5P7  
Contact: Service Manager

T:  
F: (905)335-9687

#### Diagnostic

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



#### INFORMATION SUR L'ÉCHANTILLON

|                      |             |             |             |             |
|----------------------|-------------|-------------|-------------|-------------|
| Numéro d'échant.     | LH0270641   | LH0251683   | LH          | LH          |
| Date d'échant.       | 12 Jul 2023 | 31 Jan 2023 | 04 Jan 2022 | 10 May 2021 |
| Heures de la Machine | 6035        | 5542        | 4095        | 3004        |
| Heures de l'huile    | 0           | 0           | 0           | 0           |
| Huile changée        | Changed     | Changed     | Changed     | Changed     |
| Statut de l'échant.  | NORMAL      | NORMAL      | ABNORMAL    | NORMAL      |



#### ÉTAT D'HUILE

|           |     |      |      |      |      |
|-----------|-----|------|------|------|------|
| Visc 40°C | cSt | 62.9 | 60.1 | 60.1 | 59.8 |
|-----------|-----|------|------|------|------|



#### CONTAMINATION

|           |     |   |   |   |    |
|-----------|-----|---|---|---|----|
| Silicium  | ppm | 4 | 3 | 2 | 3  |
| Sodium    | ppm | 4 | 5 | 6 | 10 |
| Potassium | ppm | 1 | 1 | 3 | 4  |



#### MÉTAUX D'USURE

|           |     |    |    |    |    |
|-----------|-----|----|----|----|----|
| Fer       | ppm | 9  | 10 | 9  | 8  |
| Cuivre    | ppm | 7  | 10 | 11 | 10 |
| Plomb     | ppm | 0  | 0  | <1 | <1 |
| Étain     | ppm | <1 | <1 | <1 | <1 |
| Aluminium | ppm | <1 | 2  | <1 | 1  |
| Chrome    | ppm | 0  | 0  | <1 | <1 |
| Molybdène | ppm | 60 | 60 | 57 | 52 |
| Nickel    | ppm | <1 | <1 | <1 | <1 |
| Titane    | ppm | 0  | 0  | 0  | 0  |
| Argent    | ppm | 0  | 0  | 0  | 0  |
| Manganèse | ppm | 5  | 6  | 6  | 7  |
| Vanadium  | ppm | 0  | 0  | 0  | 0  |



#### ADDITIFS

|           |     |      |      |      |      |
|-----------|-----|------|------|------|------|
| Calcium   | ppm | 1160 | 1229 | 1261 | 1409 |
| Magnésium | ppm | 992  | 966  | 955  | 847  |
| Zinc      | ppm | 1231 | 1253 | 1222 | 1241 |
| Phosphore | ppm | 1154 | 1191 | 1142 | 1085 |
| Baryum    | ppm | 0    | 0    | 0    | <1   |
| Bore      | ppm | 6    | 6    | 5    | 2    |

**Depot:** STR437BUR  
**Unique No:** 5607756  
**Signed:** Kevin Marson  
**Report Date:** 20 Jul 2023



### GRAPHS

