

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40C 103882-1527 - Right Final Drive

Sample No: LH0261463

Oil Type: KENDALL NS-MP HYPOID GEAR 80W90



#### INFORMATION SUR L'ÉCHANTILLON

|                      |             |             |             |             |
|----------------------|-------------|-------------|-------------|-------------|
| Numéro d'échant.     | LH0261463   | LH0247338   | LH0224521   | LH0214175   |
| Date d'échant.       | 29 Jun 2023 | 08 Mar 2023 | 25 Oct 2022 | 20 Jan 2022 |
| Heures de la Machine | 9040        | 8400        | 7787        | 6281        |
| Heures de l'huile    | 640         | 613         | 1000        | 1113        |
| Huile changée        | Changed     | Changed     | Changed     | Changed     |
| Statut de l'échant.  | NORMAL      | NORMAL      | NORMAL      | NORMAL      |

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#### ÉTAT D'HUILE

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Visc 40°C | cSt | 138 | 136 | 129 | 132 |
|-----------|-----|-----|-----|-----|-----|



#### CONTAMINATION

|           |     |   |    |   |   |
|-----------|-----|---|----|---|---|
| Silicium  | ppm | 9 | 11 | 7 | 5 |
| Sodium    | ppm | 2 | 2  | 3 | 2 |
| Potassium | ppm | 1 | 2  | 4 | 3 |



#### MÉTAUX D'USURE

|           |     |    |    |    |    |
|-----------|-----|----|----|----|----|
| Fer       | ppm | 18 | 22 | 31 | 42 |
| Cuivre    | ppm | <1 | 0  | 0  | <1 |
| Plomb     | ppm | 0  | 0  | 0  | 0  |
| Étain     | ppm | 0  | 0  | 0  | 0  |
| Aluminium | ppm | <1 | 1  | <1 | <1 |
| Chrome    | ppm | <1 | 1  | 2  | 2  |
| Molybdène | ppm | <1 | 0  | <1 | <1 |
| Nickel    | ppm | <1 | 0  | <1 | <1 |
| Titane    | ppm | 0  | 0  | 0  | 0  |
| Argent    | ppm | 0  | 0  | 0  | <1 |
| Manganèse | ppm | <1 | <1 | <1 | <1 |
| Vanadium  | ppm | 0  | 0  | 0  | 0  |



#### ADDITIFS

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Calcium   | ppm | 9   | 7   | 14  | 16  |
| Magnésium | ppm | 2   | 3   | 2   | 4   |
| Zinc      | ppm | 8   | 6   | 11  | 13  |
| Phosphore | ppm | 612 | 611 | 595 | 579 |
| Baryum    | ppm | <1  | 0   | <1  | <1  |
| Bore      | ppm | 2   | 3   | 6   | 8   |

#### Diagnostic

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: DOMBUR  
Unique No: 5607480  
Signed: Wes Davis  
Report Date: 17 Jul 2023



### GRAPHS

