



### LIEBHERR LH50M 123311-1216 - Rear Differential

Sample No: LH0289493

Oil Type: GEAR OIL SAE 75W90



#### Information sur l'échantillon

| Número d'échant.     | LH0289493   | LH0261371   | LH0242493   | LH0234669   |
|----------------------|-------------|-------------|-------------|-------------|
| Date d'échant.       | 25 Apr 2024 | 01 May 2023 | 24 Oct 2022 | 05 Jul 2022 |
| Heures de la Machine | 8175        | 6153        | 5011        | 4379        |
| Heures de l'huile    | 0           | 0           | 0           | 0           |
| 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 | 104 | 100 | 105 | 104 |
|-----------|-----|-----|-----|-----|-----|
|           |     |     |     |     |     |



#### Contamination

| Eau       | %   | NEG | NEG | NEG | NEG |
|-----------|-----|-----|-----|-----|-----|
| Silicium  | ppm | <1  | 2   | 2   | 3   |
| Sodium    | ppm | <1  | <1  | <1  | <1  |
| Potassium | ppm | 0   | 0   | 0   | <1  |

#### 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.



#### Métaux d'usure

|           |     |    |    |    |    |
|-----------|-----|----|----|----|----|
| Fer       | ppm | 13 | 10 | 5  | 10 |
| Cuivre    | ppm | 14 | 9  | 8  | 11 |
| Plomb     | ppm | 0  | <1 | <1 | <1 |
| Étain     | ppm | 0  | 0  | 0  | 0  |
| Aluminium | ppm | 0  | <1 | <1 | <1 |
| Chrome    | ppm | 0  | 0  | 0  | 0  |
| Molybdène | ppm | 0  | 0  | 0  | 0  |
| Nickel    | ppm | 0  | 0  | 0  | 0  |
| Titane    | ppm | 0  | 0  | 0  | 0  |
| Argent    | ppm | 0  | 0  | 0  | 0  |
| Manganèse | ppm | <1 | <1 | <1 | <1 |
| Vanadium  | ppm | 0  | 0  | 0  | 0  |



#### Additifs

|           |     |      |      |      |      |
|-----------|-----|------|------|------|------|
| Calcium   | ppm | 9    | 8    | 10   | 7    |
| Magnésium | ppm | 2    | 2    | <1   | <1   |
| Zinc      | ppm | 15   | 16   | 15   | 13   |
| Phosphore | ppm | 1207 | 1365 | 1358 | 1227 |
| Baryum    | ppm | 0    | 0    | 0    | 0    |
| Bore      | ppm | 304  | 315  | 307  | 313  |

Depot: LON333LON  
 Unique No: 5772898  
 Signed: Wes Davis  
 Report Date: 26 Apr 2024



### Graphs

