

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 094197-1216 - Rear Left Wheel Hub

Sample No: LH0279295

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### INFORMATION SUR L'ÉCHANTILLON

| Número d'échant.     | LH0279295   | LH0270006   | LH0251218   | LH0221587   |
|----------------------|-------------|-------------|-------------|-------------|
| Date d'échant.       | 18 Mar 2024 | 01 Nov 2023 | 13 Mar 2023 | 06 Oct 2022 |
| Heures de la Machine | 25297       | 23554       | 22266       | 21039       |
| 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 | 191 | 181 | 160 | 179 |
|-----------|-----|-----|-----|-----|-----|
|-----------|-----|-----|-----|-----|-----|



#### CONTAMINATION

| Eau       | %   | NEG | NEG | NEG  | NEG |
|-----------|-----|-----|-----|------|-----|
| Silicium  | ppm | ● 4 | ● 5 | ● 4  | ● 2 |
| Sodium    | ppm | ● 2 | ● 6 | ● 1  | ● 3 |
| Potassium | ppm | ● 0 | ● 2 | ● <1 | ● 0 |



#### MÉTAUX D'USURE

|           |     |      |      |      |      |
|-----------|-----|------|------|------|------|
| Fer       | ppm | ● 12 | ● 22 | ● 19 | ● 23 |
| Cuivre    | ppm | ● 2  | ● 3  | ● 3  | ● 4  |
| Plomb     | ppm | ● 0  | ● 0  | ● <1 | ● 0  |
| 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  | ● <1 | ● <1 | ● <1 |
| Titane    | ppm | ● 0  | ● 0  | ● 0  | ● 0  |
| Argent    | ppm | ● 0  | ● <1 | ● 0  | ● 0  |
| Manganèse | ppm | ● 0  | ● 0  | ● <1 | ● <1 |
| Vanadium  | ppm | ● 0  | ● 0  | ● 0  | ● 0  |



#### ADDITIFS

|           |     |      |      |      |      |
|-----------|-----|------|------|------|------|
| Calcium   | ppm | ● 5  | ● 14 | ● 44 | ● 6  |
| Magnésium | ppm | ● <1 | ● <1 | ● 2  | ● <1 |
| Zinc      | ppm | ● 6  | ● 13 | ● 42 | ● 6  |
| Phosphore | ppm | 2243 | 2435 | 2219 | 2423 |
| Baryum    | ppm | ● 0  | ● <1 | ● 0  | ● 0  |
| Bore      | ppm | ● 0  | ● 2  | ● 3  | ● 3  |

#### Diagnostic

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: INDVIL

Unique No: 5748946

Signed: Wes Davis

Report Date: 21 Mar 2024



### GRAPHS

