



# LIEBHERR

## RAPPORT D'ANALYSE D'HUILE

|                |               |
|----------------|---------------|
| USURE          | <b>NORMAL</b> |
| CONTAMINATION  | <b>NORMAL</b> |
| ÉTAT DU FLUIDE | <b>NORMAL</b> |



Identité de la machine  
**LIEBHERR LH30M 143328-1253**  
Composant  
**Transmission Manuelle**  
Fluide  
**SAE 5W40 (--- GAL)**

### RECOMMANDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

| Test                | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant.    |     | Client Info |           | <b>LH0248018</b>   | LH0248006   | LH0247994   |
| Date d'échant.      |     | Client Info |           | <b>29 Nov 2023</b> | 11 Sep 2023 | 21 Jun 2023 |
| Âge d la Machine    | hrs | Client Info |           | <b>4964</b>        | 4001        | 2974        |
| Âge de l'huile      | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Âge du filtre       | hrs | Client Info |           | <b>0</b>           | 0           | 0           |
| Huile changée       |     | Client Info |           | <b>Not Changed</b> | Changed     | Not Changed |
| Filtre changé       |     | Client Info |           | <b>None</b>        | None        | None        |
| Statut de l'échant. |     |             |           | <b>NORMAL</b>      | NORMAL      | NORMAL      |

### USURE

Les taux d'usure de tous les composants sont normaux.

|             |        |               |      |              |      |      |
|-------------|--------|---------------|------|--------------|------|------|
| Fer         | ppm    | ASTM D5185(m) | >200 | <b>77</b>    | 120  | 98   |
| Chrome      | ppm    | ASTM D5185(m) | >5   | <b>&lt;1</b> | <1   | <1   |
| Nickel      | ppm    | ASTM D5185(m) | >5   | <b>&lt;1</b> | <1   | <1   |
| Titane      | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | 0    |
| Argent      | ppm    | ASTM D5185(m) | >7   | <b>&lt;1</b> | <1   | <1   |
| Aluminium   | ppm    | ASTM D5185(m) | >25  | <b>6</b>     | 9    | 7    |
| Plomb       | ppm    | ASTM D5185(m) | >45  | <b>1</b>     | 3    | 3    |
| Cuivre      | ppm    | ASTM D5185(m) | >225 | <b>53</b>    | 105  | 101  |
| Étain       | ppm    | ASTM D5185(m) | >10  | <b>2</b>     | 4    | 3    |
| Vanadium    | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | 0    |
| Métal blanc | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | NONE |
| Bronze      | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | NONE |

### CONTAMINATION

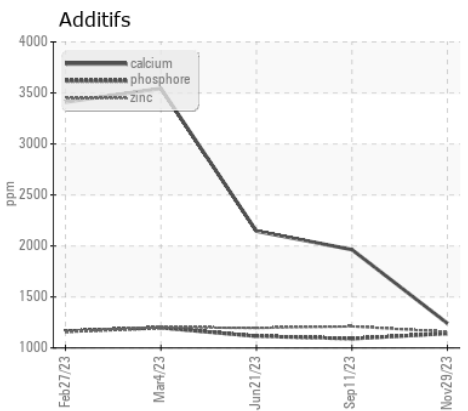
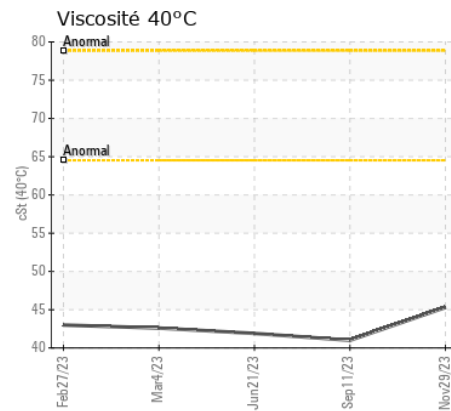
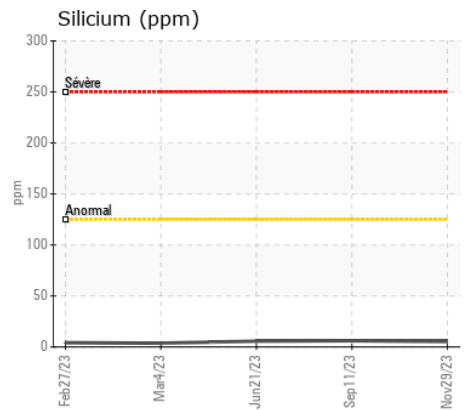
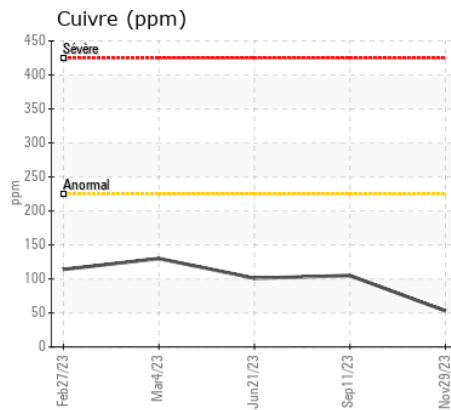
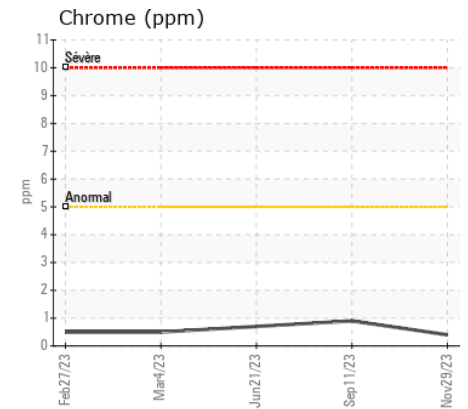
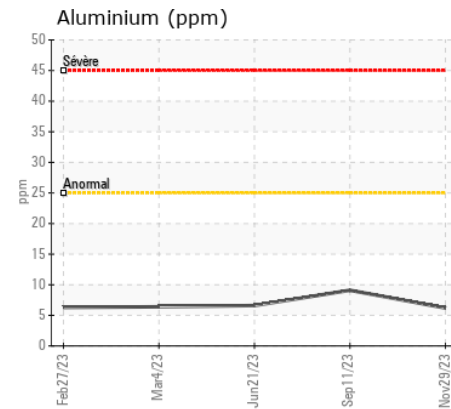
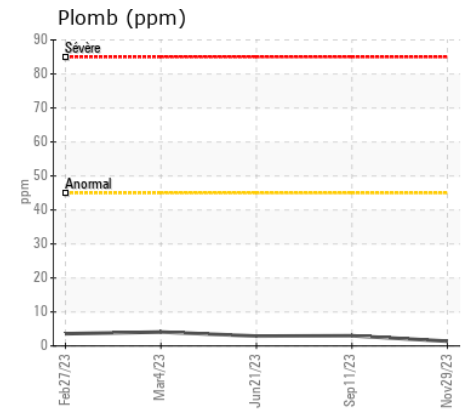
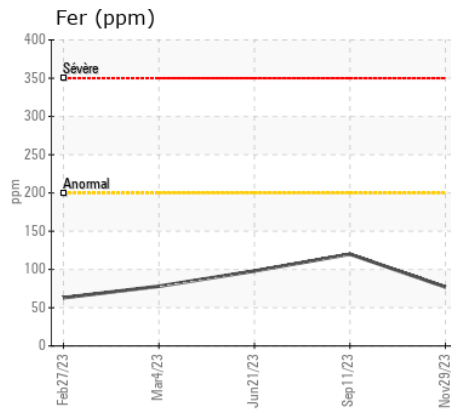
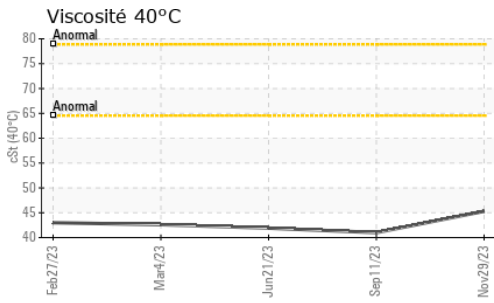
Il n'y a aucun indice de contamination dans le fluide.

|                |        |               |       |              |       |       |
|----------------|--------|---------------|-------|--------------|-------|-------|
| Silicium       | ppm    | ASTM D5185(m) | >125  | <b>5</b>     | 6     | 6     |
| Potassium      | ppm    | ASTM D5185(m) | >20   | <b>0</b>     | 2     | 2     |
| L'eau          |        | WC Method     | >0.1  | <b>NEG</b>   | NEG   | NEG   |
| Limon          | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Débris         | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Saleté         | scalar | Visual*       | NONE  | <b>NONE</b>  | NONE  | NONE  |
| Apparence      | scalar | Visual*       | NORML | <b>NORML</b> | NORML | NORML |
| Odeur          | scalar | Visual*       | NORML | <b>NORML</b> | NORML | NORML |
| Eau émulsifiée | scalar | Visual*       | >0.1  | <b>NEG</b>   | NEG   | NEG   |

### ÉTAT DU FLUIDE

La viscosité de l'échantillon se situe dans la portée de l'SAE 10W; nous vous conseillons de vérifier. L'état de le fluide est acceptable pour la durée de service.

|           |     |               |  |             |      |      |
|-----------|-----|---------------|--|-------------|------|------|
| Sodium    | ppm | ASTM D5185(m) |  | <b>13</b>   | 26   | 27   |
| Bore      | ppm | ASTM D5185(m) |  | <b>50</b>   | 34   | 32   |
| Baryum    | ppm | ASTM D5185(m) |  | <b>1</b>    | 1    | 2    |
| Molybdène | ppm | ASTM D5185(m) |  | <b>48</b>   | 33   | 29   |
| Manganèse | ppm | ASTM D5185(m) |  | <b>11</b>   | 22   | 20   |
| Magnésium | ppm | ASTM D5185(m) |  | <b>895</b>  | 611  | 517  |
| Calcium   | ppm | ASTM D5185(m) |  | <b>1241</b> | 1964 | 2145 |
| Phosphore | ppm | ASTM D5185(m) |  | <b>1142</b> | 1091 | 1115 |
| Zinc      | ppm | ASTM D5185(m) |  | <b>1157</b> | 1211 | 1196 |
| Soufre    | ppm | ASTM D5185(m) |  | <b>4647</b> | 5404 | 5761 |
| Visc 40°C | cSt | ASTM D7279(m) |  | <b>45.3</b> | 41.0 | 41.9 |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : LH0248018 **Reçu** : 04 Dec 2023  
**N° de laboratoire** : 02600573 **Diagnostiqué** : 05 Dec 2023  
**Numéro unique** : 5685653 **Diagnostiqueur** : Kevin Marson  
**Analyse** : MOBCE ( Additional Tests: Visual )

Pour discuter ce rapport, contacter le service à la clientèle au 1-800-268-2131.

Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

La validez de los resultados y la interpretación se basan en la muestra y la información proporcionada.

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