



# LIEBHERR

## RAPPORT D'ANALYSE D'HUILE

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



Secteur  
**(366415)**  
Identité de la machine  
**LIEBHERR LH30 135575-1253**  
Composant  
**Moyeu de roue Avant gauche**  
Fluide  
**NOT GIVEN (--- GAL)**

### RECOMMANDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

| Test                | UOM | Method      | Limit/Abn | Current            | History1    | History2    |
|---------------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Numéro d'échant.    |     | Client Info |           | <b>LH0223376</b>   | LH0223364   | LH0223352   |
| Date d'échant.      |     | Client Info |           | <b>13 Jul 2022</b> | 12 Jul 2022 | 13 Apr 2022 |
| Âge d la Machine    | hrs | Client Info |           | <b>4000</b>        | 3000        | 2000        |
| 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>N/A</b>         | N/A         | N/A         |
| Filtre changé       |     | Client Info |           | <b>N/A</b>         | N/A         | N/A         |
| 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) | >450 | <b>67</b>    | 109  | 117   |
| Chrome      | ppm    | ASTM D5185(m) | >4   | <b>&lt;1</b> | <1   | <1    |
| Nickel      | ppm    | ASTM D5185(m) | >2   | <b>1</b>     | 0    | <1    |
| Titane      | ppm    | ASTM D5185(m) |      | <b>&lt;1</b> | <1   | 0     |
| Argent      | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | 0     |
| Aluminium   | ppm    | ASTM D5185(m) | >15  | <b>&lt;1</b> | <1   | <1    |
| Plomb       | ppm    | ASTM D5185(m) | >4   | <b>&lt;1</b> | 3    | 2     |
| Cuivre      | ppm    | ASTM D5185(m) | >75  | <b>11</b>    | 70   | 64    |
| Étain       | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | 0     |
| Vanadium    | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | 0     |
| Métal blanc | scalar | Visual*       | NONE | <b>LIGHT</b> | NONE | VLITE |
| Bronze      | scalar | Visual*       | NONE | <b>NONE</b>  | NONE | NONE  |

### CONTAMINATION

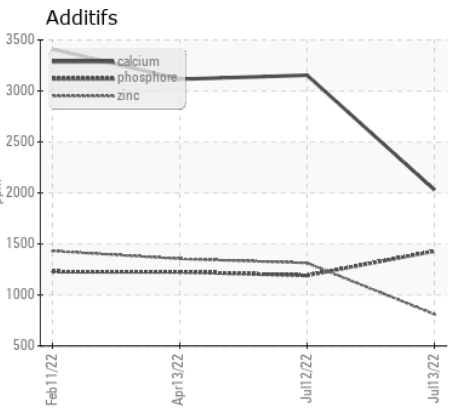
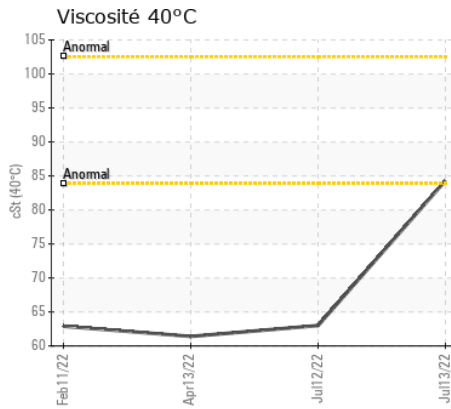
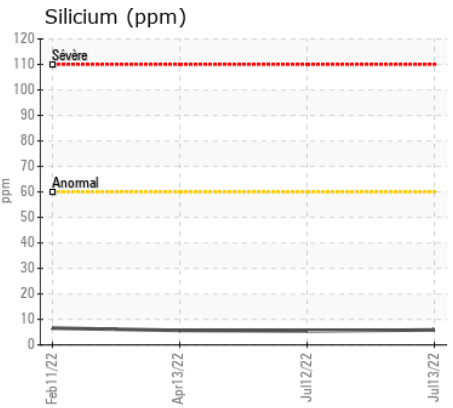
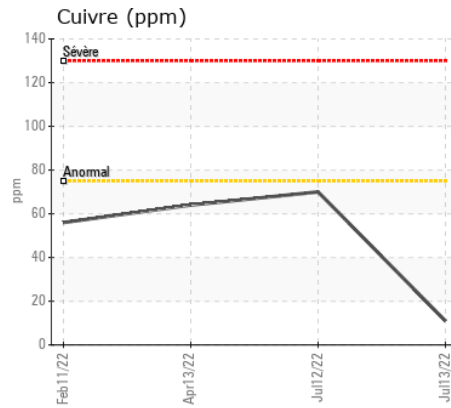
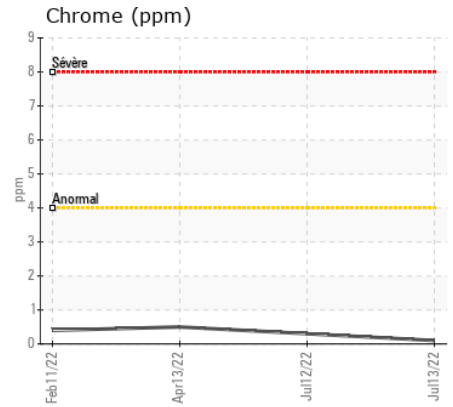
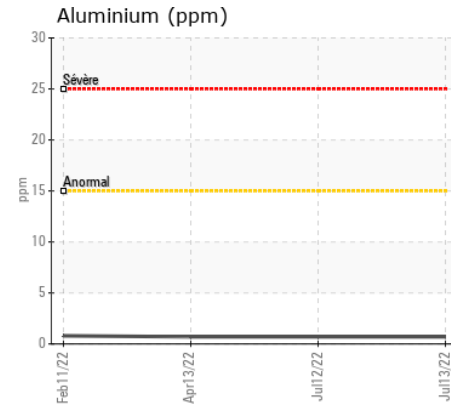
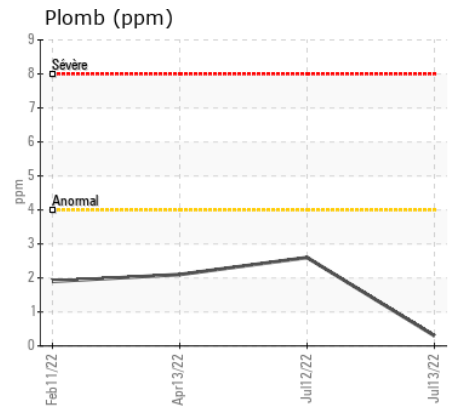
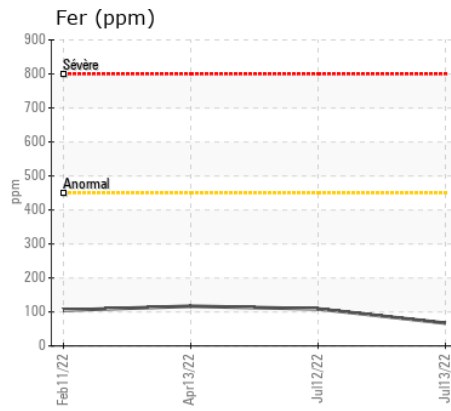
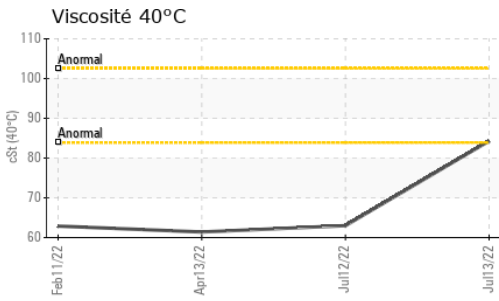
Il n'y a aucun indice de contamination dans l'huile.

|                |        |               |       |              |       |       |
|----------------|--------|---------------|-------|--------------|-------|-------|
| Silicium       | ppm    | ASTM D5185(m) | >60   | <b>6</b>     | 6     | 6     |
| Potassium      | ppm    | ASTM D5185(m) | >20   | <b>2</b>     | <1    | <1    |
| Limon          | scalar | Visual*       | NONE  | <b>VLITE</b> | LIGHT | VLITE |
| 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*       | >0.2  | <b>NEG</b>   | NEG   | NEG   |

### ÉTAT DU FLUIDE

L'état de l'huile est acceptable pour la durée de service.

|           |     |               |  |              |      |      |
|-----------|-----|---------------|--|--------------|------|------|
| Sodium    | ppm | ASTM D5185(m) |  | <b>11</b>    | 14   | 14   |
| Bore      | ppm | ASTM D5185(m) |  | <b>78</b>    | 80   | 88   |
| Baryum    | ppm | ASTM D5185(m) |  | <b>&lt;1</b> | 0    | 0    |
| Molybdène | ppm | ASTM D5185(m) |  | <b>0</b>     | 0    | 0    |
| Manganèse | ppm | ASTM D5185(m) |  | <b>1</b>     | 2    | 2    |
| Magnésium | ppm | ASTM D5185(m) |  | <b>6</b>     | 7    | 8    |
| Calcium   | ppm | ASTM D5185(m) |  | <b>2031</b>  | 3154 | 3115 |
| Phosphore | ppm | ASTM D5185(m) |  | <b>1429</b>  | 1191 | 1226 |
| Zinc      | ppm | ASTM D5185(m) |  | <b>811</b>   | 1313 | 1354 |
| Soufre    | ppm | ASTM D5185(m) |  | <b>11621</b> | 3027 | 2994 |
| Visc 40°C | cSt | ASTM D7279(m) |  | <b>84.3</b>  | 63.0 | 61.4 |



ISO 17025:2017  
Accredited  
Laboratory

**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : LH0223376 **Reçu** : 13 Jul 2022  
**N° de laboratoire** : 02499468 **Diagnostiqué** : 14 Jul 2022  
**Numéro unique** : 5424428 **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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