



# LIEBHERR

## RAPPORT D'ANALYSE D'HUILE

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



Secteur  
**(340289)**  
Identité de la machine  
**LIEBHERR LH60 103211-1475**  
Composant  
**Boîte de séparation**  
Fluide  
**GEAR OIL SAE 80W90 (--- 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>LH0271441</b>   | LH0265401   | LH0250789   |
| Date d'échant.      |     | Client Info |           | <b>18 Sep 2023</b> | 15 Jun 2023 | 10 Feb 2023 |
| Âge d la Machine    | hrs | Client Info |           | <b>6567</b>        | 5882        | 4694        |
| 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>Changed</b>     | Changed     | Changed     |
| 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) | >100 | <b>19</b>    | 21   | 27   |
| Chrome      | ppm    | ASTM D5185(m) | >5   | <b>0</b>     | <1   | <1   |
| Nickel      | ppm    | ASTM D5185(m) | >5   | <b>&lt;1</b> | 0    | 0    |
| Titane      | ppm    | ASTM D5185(m) |      | <b>0</b>     | 0    | <1   |
| Argent      | ppm    | ASTM D5185(m) |      | <b>&lt;1</b> | 0    | 0    |
| Aluminium   | ppm    | ASTM D5185(m) | >20  | <b>&lt;1</b> | <1   | 1    |
| Plomb       | ppm    | ASTM D5185(m) | >30  | <b>0</b>     | 0    | 0    |
| Cuivre      | ppm    | ASTM D5185(m) | >20  | <b>1</b>     | 1    | <1   |
| Étain       | ppm    | ASTM D5185(m) | >10  | <b>0</b>     | 0    | 0    |
| 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

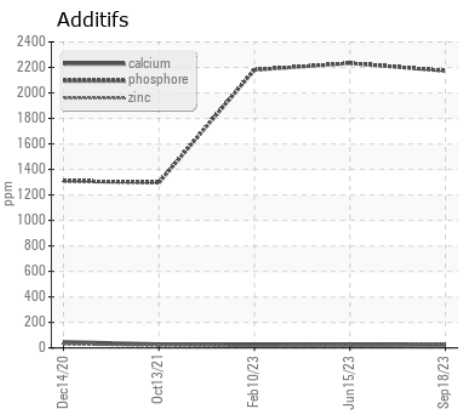
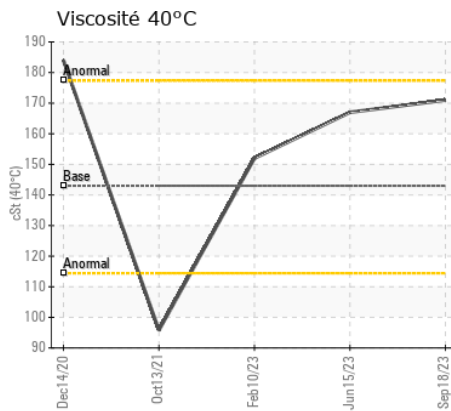
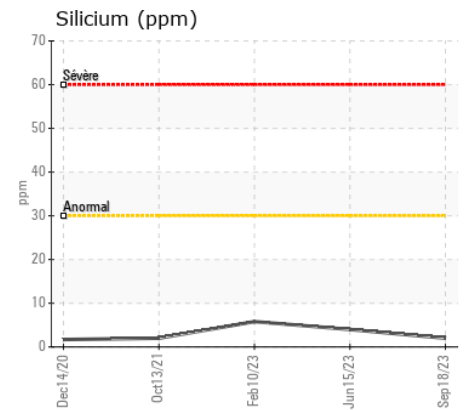
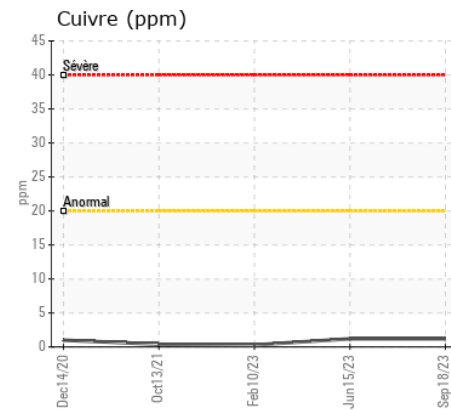
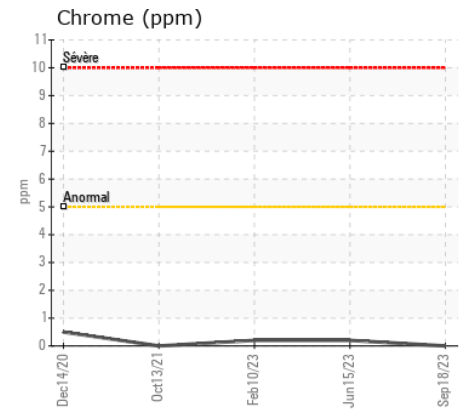
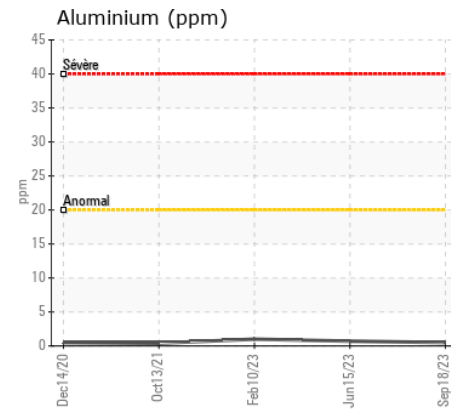
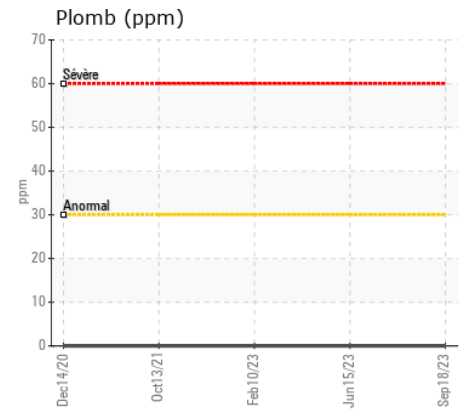
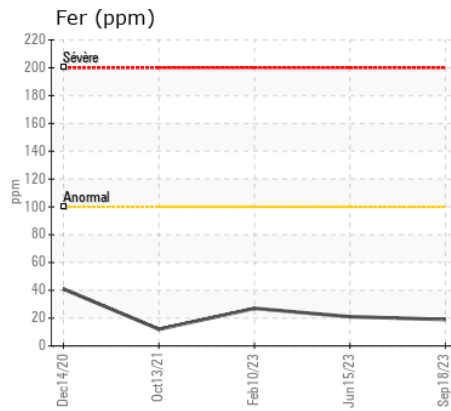
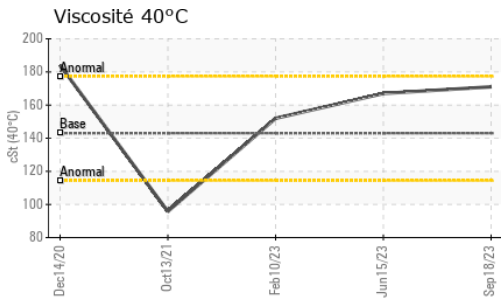
Il n'y a aucun indice de contamination dans l'huile.

|                |        |               |       |              |       |       |
|----------------|--------|---------------|-------|--------------|-------|-------|
| Silicium       | ppm    | ASTM D5185(m) | >30   | <b>2</b>     | 4     | 6     |
| Potassium      | ppm    | ASTM D5185(m) | >20   | <b>0</b>     | 1     | <1    |
| 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

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

|           |     |               |       |              |       |       |
|-----------|-----|---------------|-------|--------------|-------|-------|
| Sodium    | ppm | ASTM D5185(m) | >170  | <b>2</b>     | 3     | 2     |
| Bore      | ppm | ASTM D5185(m) | 400   | <b>18</b>    | 37    | 77    |
| Baryum    | ppm | ASTM D5185(m) | 200   | <b>0</b>     | 0     | 0     |
| Molybdène | ppm | ASTM D5185(m) | 12    | <b>0</b>     | 0     | 0     |
| Manganèse | ppm | ASTM D5185(m) |       | <b>0</b>     | <1    | <1    |
| Magnésium | ppm | ASTM D5185(m) | 12    | <b>2</b>     | 2     | 2     |
| Calcium   | ppm | ASTM D5185(m) | 150   | <b>22</b>    | 22    | 24    |
| Phosphore | ppm | ASTM D5185(m) | 1650  | <b>2173</b>  | 2233  | 2180  |
| Zinc      | ppm | ASTM D5185(m) | 125   | <b>30</b>    | 19    | 15    |
| Soufre    | ppm | ASTM D5185(m) | 22500 | <b>24847</b> | 24041 | 25328 |
| Visc 40°C | cSt | ASTM D7279(m) | 143   | <b>171</b>   | 167   | 152   |



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : LH0271441 **Reçu** : 25 Sep 2023  
**N° de laboratoire** : 02585009 **Diagnostiqué** : 25 Sep 2023  
**Numéro unique** : 5646074 **Diagnostiqueur** : Wes Davis  
**Analyse** : MOB 1

**CBR LESER INC.**  
 340 ROUTE 116 OUEST  
 PLESSISVILLE, QC  
 CA G6L 2Y2  
 Contact: Service Manager

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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