



# LIEBHERR

## RAPPORT D'ANALYSE D'HUILE

USURE

**NORMAL**

CONTAMINATION

**ANORMAL**

ÉTAT DU FLUIDE

**NORMAL**



Identité de la machine

**LIEBHERR L526 070914-1753**

Composant

**Système hydraulique**

Fluid

**LIEBHERR HYDRAULIC HVI (--- GAL)**

### RECOMMANDATION

Nous recommandons le remplacement des filtres de ce composant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

| Test                | UOM | Method      | Limit/Abn | Current            | History1 | History2 |
|---------------------|-----|-------------|-----------|--------------------|----------|----------|
| Numéro d'échant.    |     | Client Info |           | <b>LH0260670</b>   | ---      | ---      |
| Date d'échant.      |     | Client Info |           | <b>19 Feb 2024</b> | ---      | ---      |
| Âge d la Machine    | hrs | Client Info |           | <b>390</b>         | ---      | ---      |
| Âge de l'huile      | hrs | Client Info |           | <b>0</b>           | ---      | ---      |
| Âge du filtre       | hrs | Client Info |           | <b>0</b>           | ---      | ---      |
| Huile changée       |     | Client Info |           | <b>N/A</b>         | ---      | ---      |
| Filtre changé       |     | Client Info |           | <b>N/A</b>         | ---      | ---      |
| Statut de l'échant. |     |             |           | <b>ABNORMAL</b>    | ---      | ---      |

### USURE

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

|             |        |               |      |              |     |     |
|-------------|--------|---------------|------|--------------|-----|-----|
| Fer         | ppm    | ASTM D5185(m) | >20  | <b>7</b>     | --- | --- |
| Chrome      | ppm    | ASTM D5185(m) | >10  | <b>&lt;1</b> | --- | --- |
| Nickel      | ppm    | ASTM D5185(m) | >10  | <b>&lt;1</b> | --- | --- |
| Titane      | ppm    | ASTM D5185(m) |      | <b>0</b>     | --- | --- |
| Argent      | ppm    | ASTM D5185(m) |      | <b>0</b>     | --- | --- |
| Aluminium   | ppm    | ASTM D5185(m) | >10  | <b>1</b>     | --- | --- |
| Plomb       | ppm    | ASTM D5185(m) | >10  | <b>2</b>     | --- | --- |
| Cuivre      | ppm    | ASTM D5185(m) | >75  | <b>3</b>     | --- | --- |
| Étain       | ppm    | ASTM D5185(m) | >10  | <b>0</b>     | --- | --- |
| Vanadium    | ppm    | ASTM D5185(m) |      | <b>0</b>     | --- | --- |
| Métal blanc | scalar | Visual*       | NONE | <b>NONE</b>  | --- | --- |
| Bronze      | scalar | Visual*       | NONE | <b>NONE</b>  | --- | --- |

### CONTAMINATION

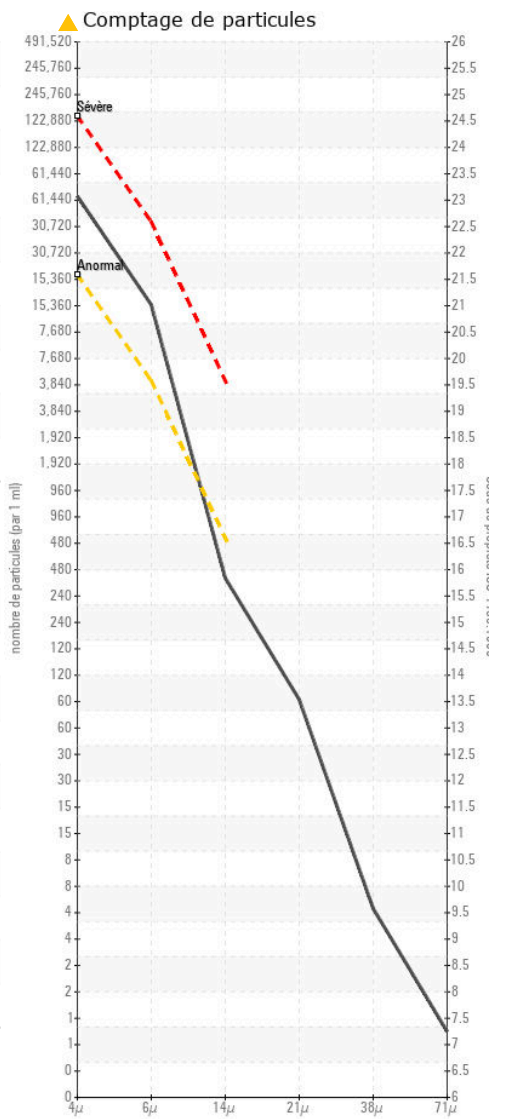
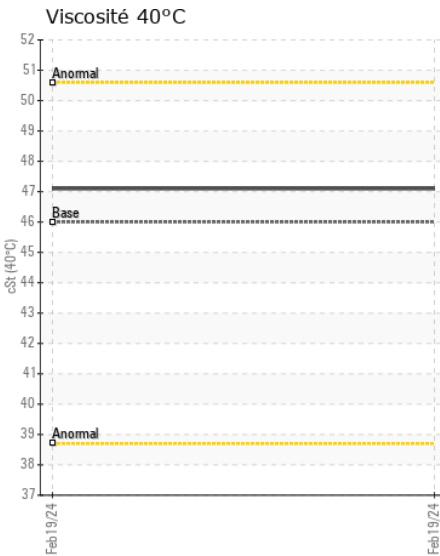
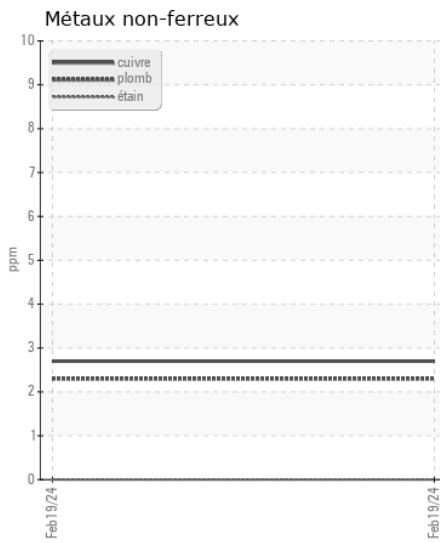
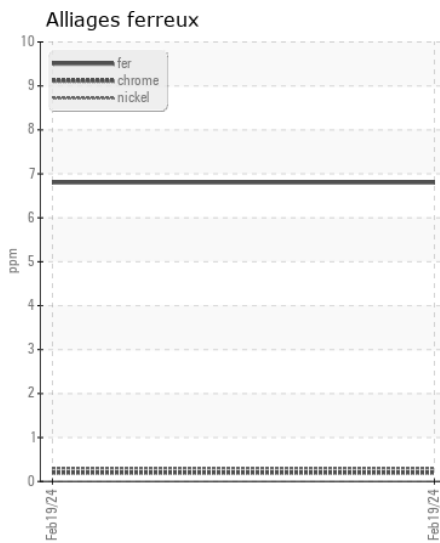
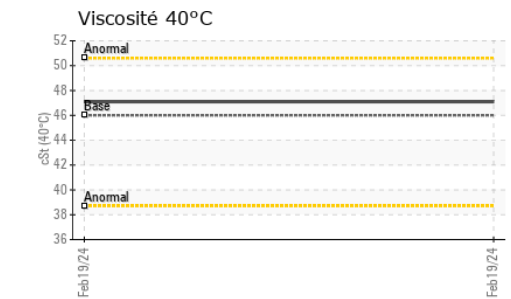
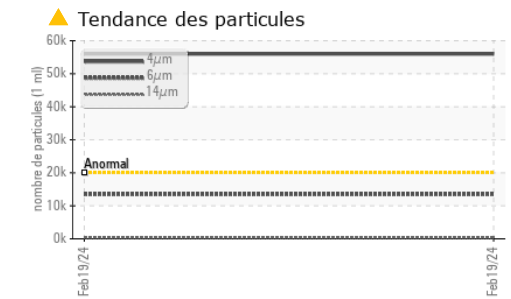
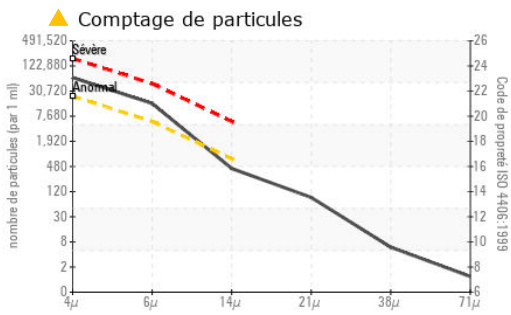
Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile.

|                     |        |               |           |                   |     |     |
|---------------------|--------|---------------|-----------|-------------------|-----|-----|
| Silicium            | ppm    | ASTM D5185(m) | >20       | <b>3</b>          | --- | --- |
| Potassium           | ppm    | ASTM D5185(m) | >20       | <b>2</b>          | --- | --- |
| L'eau               |        | WC Method     | >0.1      | <b>NEG</b>        | --- | --- |
| Particules >4µ      |        | ASTM D7647    | >20000    | <b>▲ 55984</b>    | --- | --- |
| Particules >6µ      |        | ASTM D7647    | >5000     | <b>▲ 13495</b>    | --- | --- |
| Particules >14µ     |        | ASTM D7647    | >640      | <b>378</b>        | --- | --- |
| Particules >21µ     |        | ASTM D7647    | >160      | <b>77</b>         | --- | --- |
| Particules >38µ     |        | ASTM D7647    | >40       | <b>5</b>          | --- | --- |
| Particules >71µ     |        | ASTM D7647    | >10       | <b>1</b>          | --- | --- |
| Propreté de l'huile |        | ISO 4406 (c)  | >21/19/16 | <b>▲ 23/21/16</b> | --- | --- |
| Limon               | scalar | Visual*       | NONE      | <b>NONE</b>       | --- | --- |
| Débris              | scalar | Visual*       | NONE      | <b>NONE</b>       | --- | --- |
| Saleté              | scalar | Visual*       | NONE      | <b>NONE</b>       | --- | --- |
| Apparence           | scalar | Visual*       | NORML     | <b>NORML</b>      | --- | --- |
| Odeur               | scalar | Visual*       | NORML     | <b>NORML</b>      | --- | --- |
| Eau émulsifiée      | scalar | Visual*       | >0.1      | <b>NEG</b>        | --- | --- |

### ÉTAT DU FLUIDE

L'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

|           |     |               |      |              |     |     |
|-----------|-----|---------------|------|--------------|-----|-----|
| Sodium    | ppm | ASTM D5185(m) |      | <b>&lt;1</b> | --- | --- |
| Bore      | ppm | ASTM D5185(m) | 0    | <b>3</b>     | --- | --- |
| Baryum    | ppm | ASTM D5185(m) | 0    | <b>0</b>     | --- | --- |
| Molybdène | ppm | ASTM D5185(m) | 0    | <b>0</b>     | --- | --- |
| Manganèse | ppm | ASTM D5185(m) | <1   | <b>0</b>     | --- | --- |
| Magnésium | ppm | ASTM D5185(m) | 7    | <b>10</b>    | --- | --- |
| Calcium   | ppm | ASTM D5185(m) | 1317 | <b>1479</b>  | --- | --- |
| Phosphore | ppm | ASTM D5185(m) | 611  | <b>654</b>   | --- | --- |
| Zinc      | ppm | ASTM D5185(m) | 696  | <b>715</b>   | --- | --- |
| Soufre    | ppm | ASTM D5185(m) | 2574 | <b>4239</b>  | --- | --- |
| Visc 40°C | cSt | ASTM D7279(m) | 46   | <b>47.1</b>  | --- | --- |



**Laboratoire** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**N° d'échantillon** : LH0260670  
**N° de laboratoire** : 02616693  
**Numéro unique** : 5733803  
**Analyse** : MOB 1 ( Additional Tests: PrtCount )

**LES CAMIONS JEAN GUY DAVIAULT INC**  
 653 RUE PRINCIPALE  
 ST-AMABLE, QC  
 CA J0L 1N0  
 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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F: