



LIEBHERR

RAPPORT D'ANALYSE D'HUILE

USURE**NORMAL****CONTAMINATION****ATTENTION****ÉTAT DU FLUIDE****NORMAL**

Identité de la machine

LIEBHERR LH22M 1197-098192

Composant

Système hydraulique

Fluide

NOT GIVEN (--- GAL)

RECOMMANDATION

Nous recommandons le remplacement des filtres de ce composant. 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 | | LH | --- | --- |
| Date d'échant. | | Client Info | | 30 Nov 2023 | --- | --- |
| Âge d la Machine | hrs | Client Info | | 1038 | --- | --- |
| Âge de l'huile | hrs | Client Info | | 0 | --- | --- |
| Âge du filtre | hrs | Client Info | | 0 | --- | --- |
| Huile changée | | Client Info | | N/A | --- | --- |
| Filtre changé | | Client Info | | N/A | --- | --- |
| Statut de l'échant. | | | | ATTENTION | --- | --- |

USURE

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

| | | | | | | |
|-------------|--------|---------------|------|--------------|-----|-----|
| Fer | ppm | ASTM D5185(m) | >60 | 8 | --- | --- |
| Chrome | ppm | ASTM D5185(m) | >40 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >10 | 0 | --- | --- |
| Titane | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Argent | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Aluminium | ppm | ASTM D5185(m) | >5 | <1 | --- | --- |
| Plomb | ppm | ASTM D5185(m) | >5 | 1 | --- | --- |
| Cuivre | ppm | ASTM D5185(m) | >15 | 4 | --- | --- |
| Étain | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Métal blanc | scalar | Visual* | NONE | NONE | --- | --- |
| Bronze | scalar | Visual* | NONE | NONE | --- | --- |

CONTAMINATION

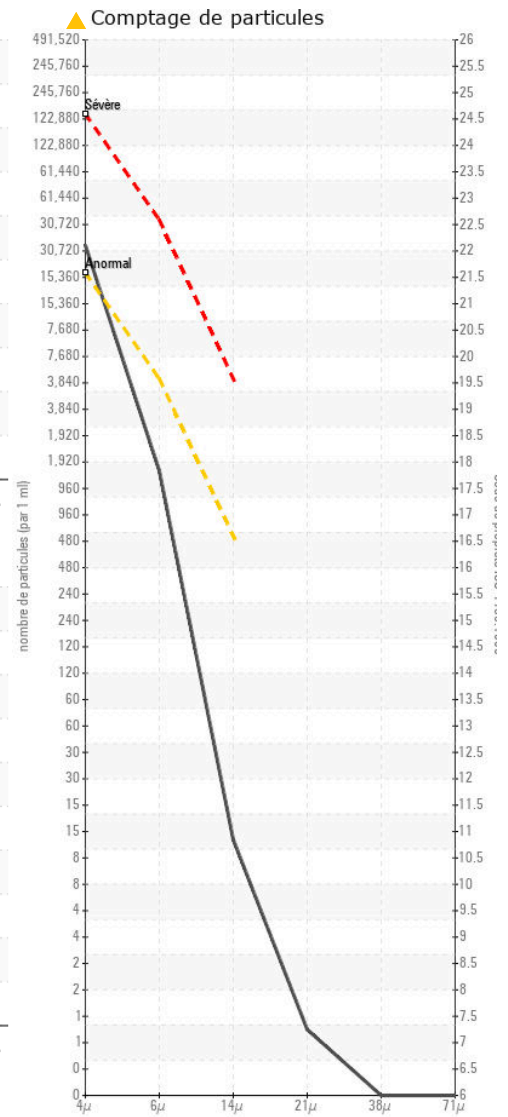
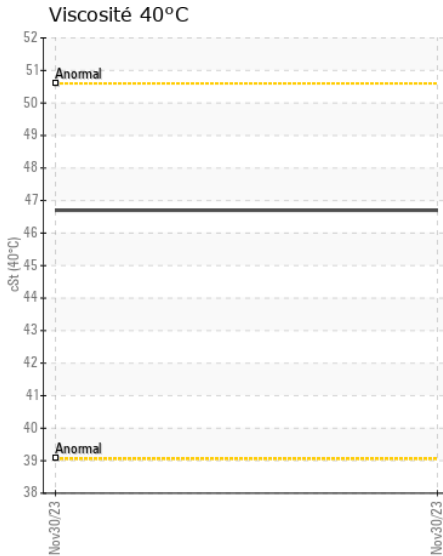
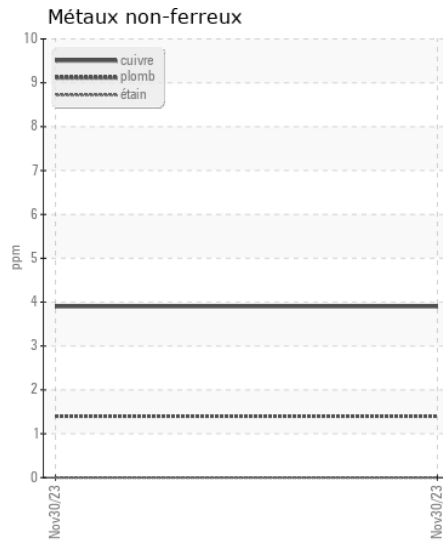
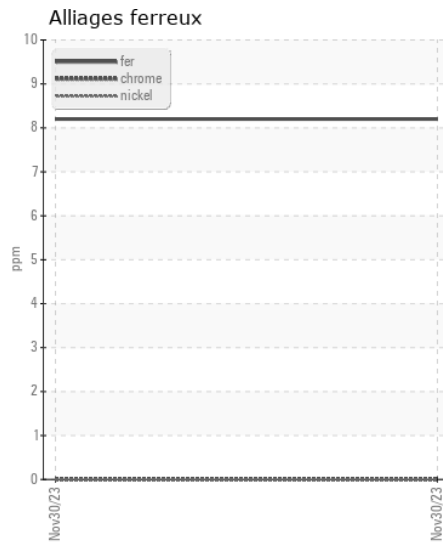
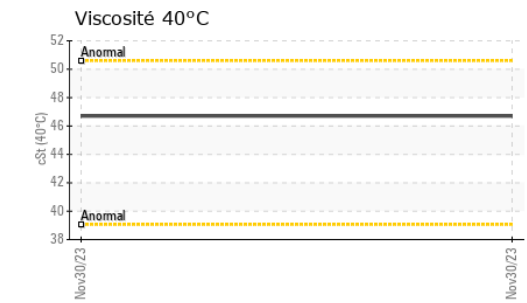
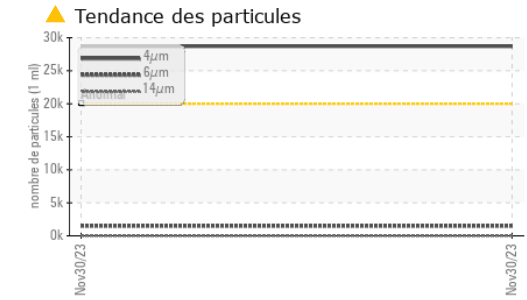
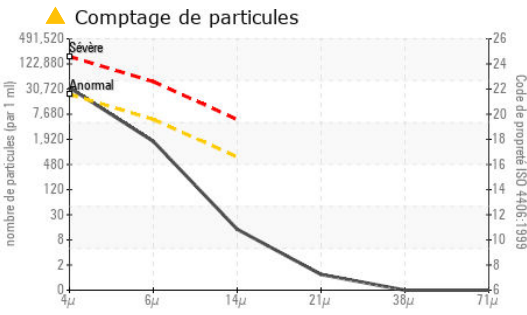
Il y a une légère quantité de limon (particules de 4 à 14 microns) dans l'huile.

| | | | | | | |
|---------------------|--------|---------------|-----------|-------------------|-----|-----|
| Silicium | ppm | ASTM D5185(m) | >15 | 1 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 0 | --- | --- |
| L'eau | | WC Method | >0.1 | NEG | --- | --- |
| Particules >4µ | | ASTM D7647 | >20000 | ▲ 28697 | --- | --- |
| Particules >6µ | | ASTM D7647 | >5000 | 1502 | --- | --- |
| Particules >14µ | | ASTM D7647 | >640 | 12 | --- | --- |
| Particules >21µ | | ASTM D7647 | >160 | 1 | --- | --- |
| Particules >38µ | | ASTM D7647 | >40 | 0 | --- | --- |
| Particules >71µ | | ASTM D7647 | >10 | 0 | --- | --- |
| Propreté de l'huile | | ISO 4406 (c) | >21/19/16 | ▲ 22/18/11 | --- | --- |
| Limon | scalar | Visual* | NONE | NONE | --- | --- |
| Débris | scalar | Visual* | NONE | NONE | --- | --- |
| Saleté | scalar | Visual* | NONE | NONE | --- | --- |
| Apparence | scalar | Visual* | NORML | NORML | --- | --- |
| Odeur | scalar | Visual* | NORML | NORML | --- | --- |
| Eau émulsifiée | scalar | Visual* | >0.1 | NEG | --- | --- |

ÉTAT DU FLUIDE

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

| | | | | | | |
|-----------|-----|---------------|--|--------------|-----|-----|
| Sodium | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Bore | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Baryum | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Molybdène | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Manganèse | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Magnésium | ppm | ASTM D5185(m) | | 3 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | | 535 | --- | --- |
| Phosphore | ppm | ASTM D5185(m) | | 558 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | | 696 | --- | --- |
| Soufre | ppm | ASTM D5185(m) | | 3266 | --- | --- |
| Visc 40°C | cSt | ASTM D7279(m) | | 46.7 | --- | --- |



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : LH **Reçu** : 04 Dec 2023
N° de laboratoire : 02600543 **Diagnostiqué** : 05 Dec 2023
Numéro unique : 5685623 **Diagnostiqueur** : Wes Davis
Analyse : MOB 1 (Additional Tests: PrtCount)

OMNI-RAIL INC.
 1520 RUE JEAN-LACHINE
 STE-CATHERINE, QC
 CA J5C 1C2
 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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