



LIEBHERR

RAPPORT D'ANALYSE D'HUILE

USURE **NORMAL**

CONTAMINATION **NORMAL**

ÉTAT DU FLUIDE **NORMAL**



Identité de la machine

LIEBHERR LH22M 112532-1250

Composant

Moyeu de roue Avant droit

Fluid

LIEBHERR GEAR BASIC 90 LS (--- 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 | | LH | LH0153185 | LH0234210 |
| Date d'échant. | | Client Info | | 11 Apr 2024 | 05 Jul 2023 | 23 Sep 2022 |
| Âge d la Machine | hrs | Client Info | | 8000 | 7001 | 5700 |
| Âge de l'huile | hrs | Client Info | | 0 | 0 | 0 |
| Âge du filtre | hrs | Client Info | | 0 | 0 | 0 |
| Huile changée | | Client Info | | Changed | Changed | Changed |
| Filtre changé | | Client Info | | None | None | N/A |
| Statut de l'échant. | | | | NORMAL | NORMAL | NORMAL |

USURE

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

| | | | | | | |
|-------------|--------|---------------|------|--------------|------|------|
| Fer | ppm | ASTM D5185(m) | >650 | 61 | 54 | 86 |
| Chrome | ppm | ASTM D5185(m) | >4 | 0 | <1 | 0 |
| Nickel | ppm | ASTM D5185(m) | >4 | 0 | <1 | <1 |
| Titane | ppm | ASTM D5185(m) | >4 | 0 | 0 | 0 |
| Argent | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Aluminium | ppm | ASTM D5185(m) | >25 | <1 | <1 | 1 |
| Plomb | ppm | ASTM D5185(m) | >4 | 0 | 0 | <1 |
| Cuivre | ppm | ASTM D5185(m) | >60 | 2 | 3 | 4 |
| Étain | ppm | ASTM D5185(m) | >4 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Métal blanc | scalar | Visual* | NONE | NONE | NONE | NONE |
| Bronze | scalar | Visual* | NONE | NONE | NONE | NONE |

CONTAMINATION

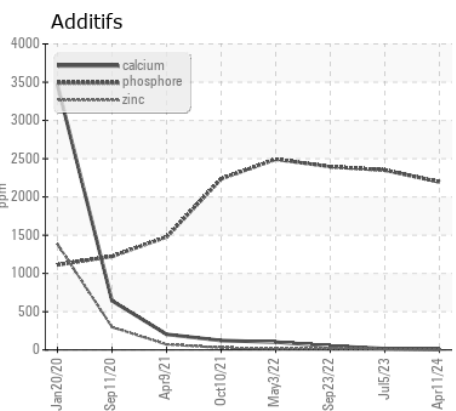
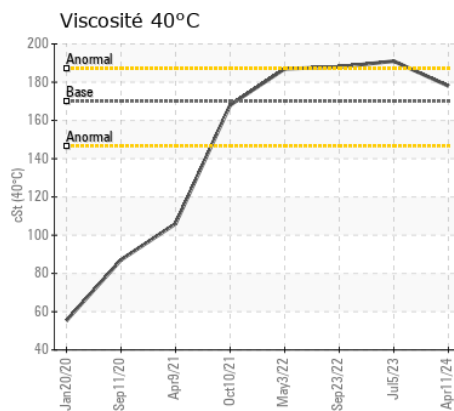
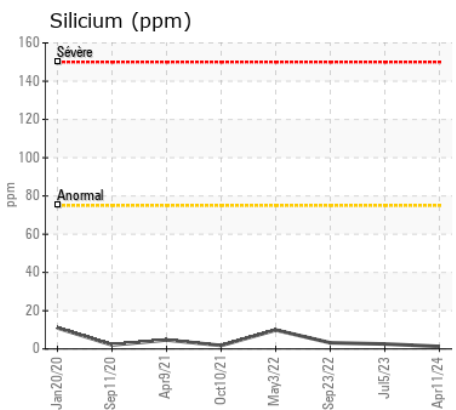
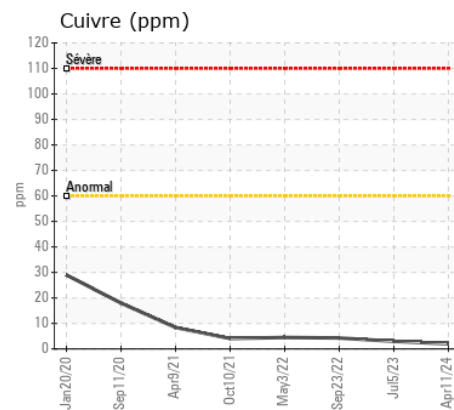
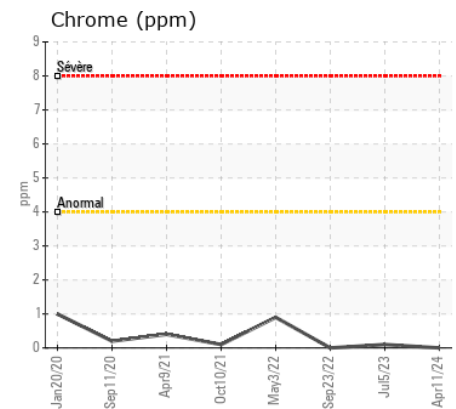
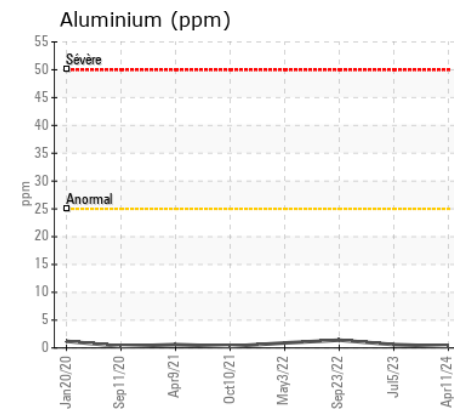
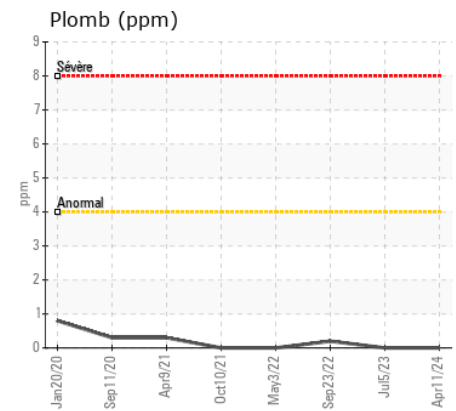
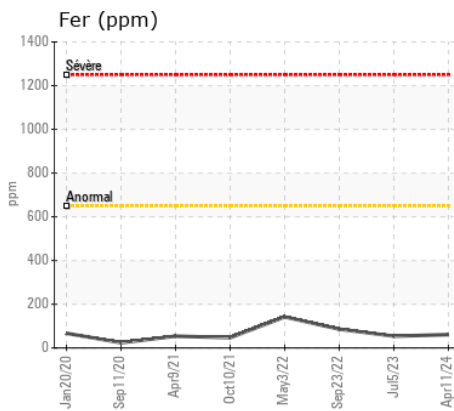
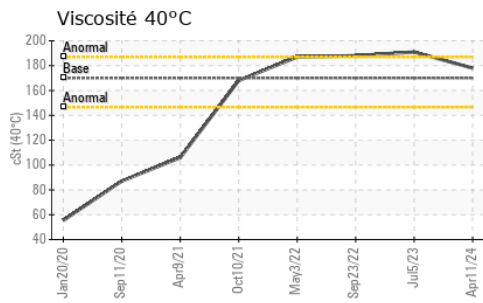
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|----------------|--------|---------------|-------|--------------|-------|-------|
| Silicium | ppm | ASTM D5185(m) | >75 | 1 | 3 | 3 |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | <1 | <1 |
| L'eau | | WC Method | >0.2 | NEG | NEG | NEG |
| Limon | scalar | Visual* | NONE | NONE | NONE | NONE |
| Débris | scalar | Visual* | NONE | NONE | NONE | NONE |
| Saleté | scalar | Visual* | NONE | NONE | NONE | NONE |
| Apparence | scalar | Visual* | NORML | NORML | NORML | NORML |
| Odeur | scalar | Visual* | NORML | NORML | NORML | NORML |
| Eau émulsifiée | scalar | Visual* | >0.2 | NEG | NEG | NEG |

ÉTAT DU FLUIDE

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

| | | | | | | |
|-----------|-----|---------------|-------|--------------|-------|-------|
| Sodium | ppm | ASTM D5185(m) | | 4 | 6 | 13 |
| Bore | ppm | ASTM D5185(m) | 0 | 3 | 5 | 10 |
| Baryum | ppm | ASTM D5185(m) | 0 | <1 | <1 | 0 |
| Molybdène | ppm | ASTM D5185(m) | 0 | 0 | 0 | 0 |
| Manganèse | ppm | ASTM D5185(m) | 0 | <1 | 1 | 3 |
| Magnésium | ppm | ASTM D5185(m) | <1 | <1 | 1 | 2 |
| Calcium | ppm | ASTM D5185(m) | <1 | 8 | 17 | 51 |
| Phosphore | ppm | ASTM D5185(m) | 2143 | 2196 | 2351 | 2395 |
| Zinc | ppm | ASTM D5185(m) | <1 | 8 | 10 | 18 |
| Soufre | ppm | ASTM D5185(m) | 23468 | 24334 | 25221 | 26639 |
| Visc 40°C | cSt | ASTM D7279(m) | 170 | 178 | 191 | 188 |



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : LH
N° de laboratoire : 02628981
Reçu : 15 Apr 2024
Numéro unique : 5762113
Tested : 16 Apr 2024
Analyse : MOB 1
Diagnostiqué : 16 Apr 2024 - Wes Davis

CENTREM
 1125 DES PINS O.
 ALMA, QC
 CA G8B 7V7
 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: