



LIEBHERR

RAPPORT D'ANALYSE D'HUILE

| | |
|----------------|---------------|
| USURE | NORMAL |
| CONTAMINATION | NORMAL |
| ÉTAT DU FLUIDE | NORMAL |



Identité de la machine
LIEBHERR LH50M 144376-1216
 Composant
Boîte de séparation
 Fluid
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 | | LH0248785 | LH0248773 | LH0248797 |
| Date d'échant. | | Client Info | | 08 Dec 2023 | 01 Nov 2023 | 02 Aug 2023 |
| Âge d la Machine | hrs | Client Info | | 1000 | 2000 | 2092 |
| Âge de l'huile | hrs | Client Info | | 0 | 0 | 1000 |
| Âge du filtre | hrs | Client Info | | 0 | 0 | 0 |
| Huile changée | | Client Info | | Changed | Changed | Changed |
| Filtre changé | | Client Info | | None | N/A | None |
| Statut de l'échant. | | | | NORMAL | ATTENTION | NORMAL |

USURE

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

| | | | | | | |
|-------------|--------|---------------|------|--------------|-------------|------|
| Fer | ppm | ASTM D5185(m) | >100 | <1 | 43 | 17 |
| Chrome | ppm | ASTM D5185(m) | >5 | 0 | 0 | <1 |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | <1 | 0 |
| Titane | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Argent | ppm | ASTM D5185(m) | | 0 | <1 | 0 |
| Aluminium | ppm | ASTM D5185(m) | >20 | <1 | <1 | <1 |
| Plomb | ppm | ASTM D5185(m) | >30 | <1 | <1 | 0 |
| Cuivre | ppm | ASTM D5185(m) | >20 | <1 | ▲ 13 | 1 |
| Étain | ppm | ASTM D5185(m) | >10 | 0 | <1 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Métal blanc | scalar | Visual* | NONE | VLITE | NONE | NONE |
| Bronze | scalar | Visual* | NONE | NONE | NONE | NONE |

CONTAMINATION

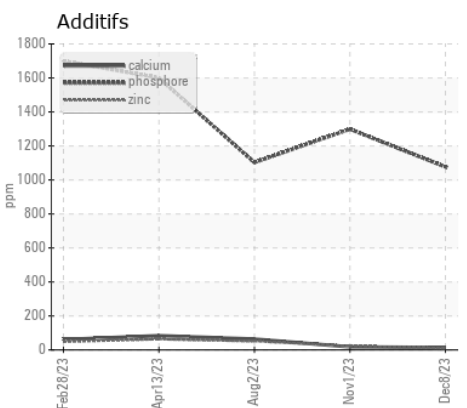
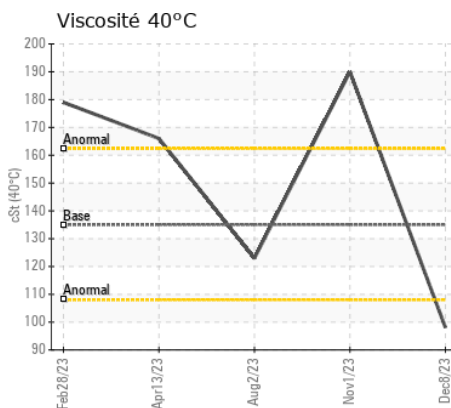
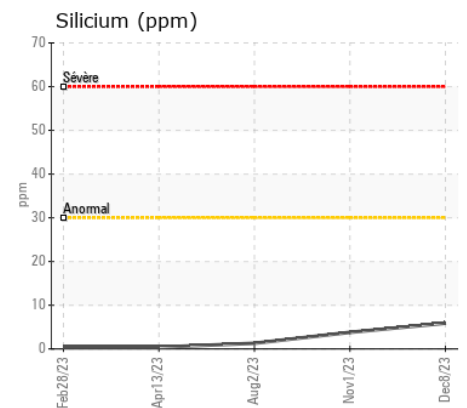
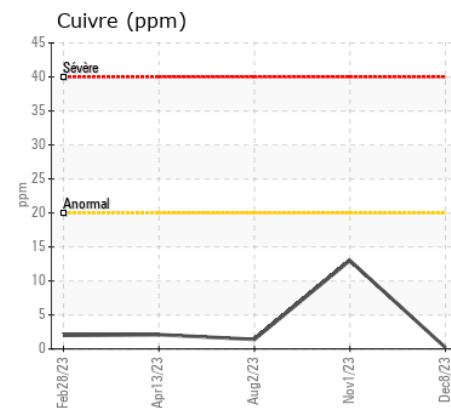
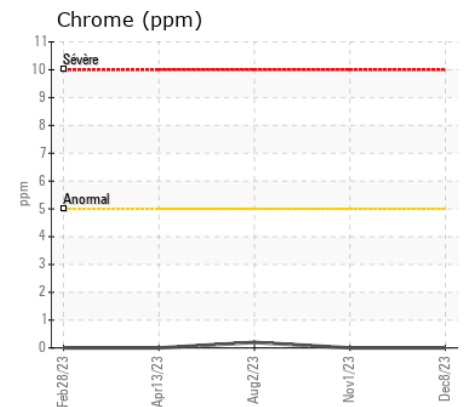
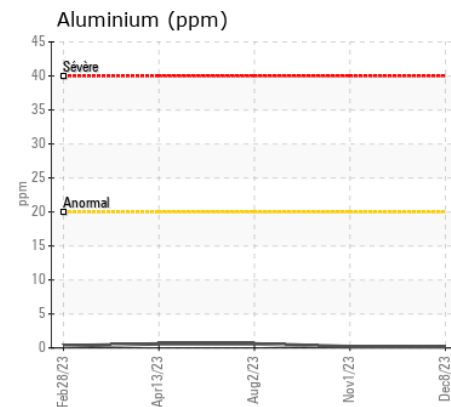
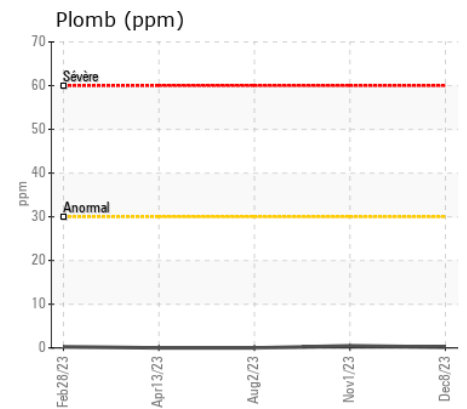
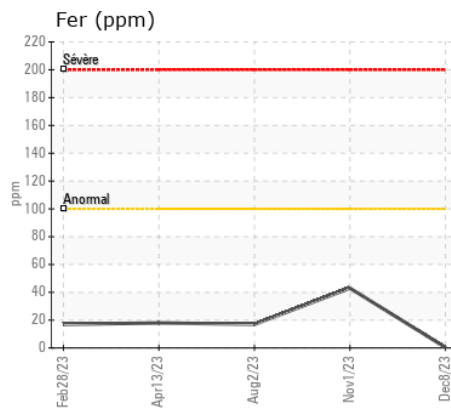
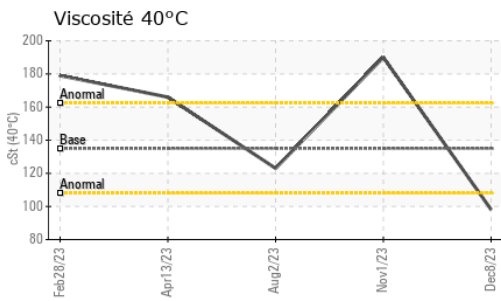
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|----------------|--------|---------------|-------|--------------|-------|-------|
| Silicium | ppm | ASTM D5185(m) | >30 | 6 | 4 | 1 |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | <1 | 4 |
| L'eau | | WC Method | >0.1 | NEG | NEG | NEG |
| Limon | scalar | Visual* | NONE | NONE | NONE | NONE |
| Débris | scalar | Visual* | NONE | NONE | NONE | NONE |
| Saleté | scalar | Visual* | NONE | VLITE | NONE | NONE |
| Apparence | scalar | Visual* | NORML | NORML | NORML | NORML |
| Odeur | scalar | Visual* | NORML | NORML | NORML | NORML |
| Eau émulsifiée | scalar | Visual* | >0.1 | NEG | NEG | NEG |

ÉTAT DU FLUIDE

La viscosité de l'échantillon se situe dans la portée de l'SAE 75W90; nous vous conseillons de vérifier. L'état de l'huile est acceptable pour la durée de service.

| | | | | | | |
|-----------|-----|---------------|-------|--------------|-------|-------|
| Sodium | ppm | ASTM D5185(m) | >50 | <1 | 2 | 3 |
| Bore | ppm | ASTM D5185(m) | 200 | 160 | 2 | 65 |
| 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 |
| Magnésium | ppm | ASTM D5185(m) | 0 | <1 | 1 | 4 |
| Calcium | ppm | ASTM D5185(m) | 20 | 14 | 18 | 64 |
| Phosphore | ppm | ASTM D5185(m) | 1000 | 1077 | 1299 | 1103 |
| Zinc | ppm | ASTM D5185(m) | 20 | 10 | 23 | 51 |
| Soufre | ppm | ASTM D5185(m) | 22000 | 23193 | 25052 | 17154 |
| Visc 40°C | cSt | ASTM D7279(m) | 135 | 98.1 | 190 | 123 |



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : LH0248785 **Reçu** : 21 Dec 2023
N° de laboratoire : 02604715 **Diagnostiqué** : 21 Dec 2023
Numéro unique : 5697800 **Diagnostiqueur** : Kevin Marson
Analyse : MOBCE (Additional Tests: Visual)

Services Forestiers RGT Inc.
 1053 Boul. Ducharme
 La Tuque, QC
 CA G9X 3C3
 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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