



LIEBHERR

RAPPORT D'ANALYSE D'HUILE

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



Identité de la machine
LIEBHERR R934 055073-1550

Composant
Moteur diesel

Fluide
DIESEL ENGINE OIL SAE 40 (--- 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 | | LH0240254 | LH0240253 | LH0240247 |
| Date d'échant. | | Client Info | | 11 Oct 2023 | 04 Jul 2023 | 20 Feb 2023 |
| Âge d la Machine | hrs | Client Info | | 0 | 1488 | 1000 |
| Âge de l'huile | hrs | Client Info | | 0 | 0 | 0 |
| Âge du filtre | hrs | Client Info | | 0 | 0 | 0 |
| Huile changée | | Client Info | | N/A | N/A | N/A |
| Filtre changé | | Client Info | | N/A | N/A | 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) | >100 | 5 | 5 | 7 |
| Chrome | ppm | ASTM D5185(m) | >5 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185(m) | >5 | 0 | 0 | <1 |
| Titane | ppm | ASTM D5185(m) | | 0 | <1 | <1 |
| Argent | ppm | ASTM D5185(m) | >3 | <1 | 0 | 0 |
| Aluminium | ppm | ASTM D5185(m) | >15 | 3 | 3 | 4 |
| Plomb | ppm | ASTM D5185(m) | >30 | 1 | 1 | 2 |
| Cuivre | ppm | ASTM D5185(m) | >125 | 3 | 5 | 30 |
| Étain | ppm | ASTM D5185(m) | >5 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |

CONTAMINATION

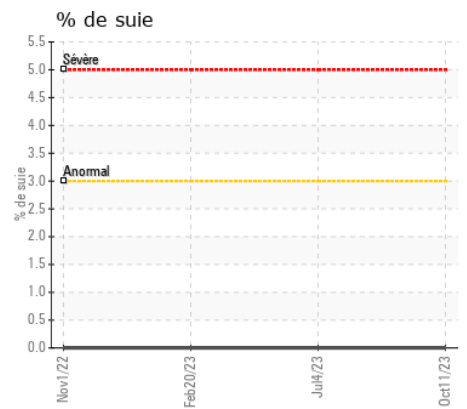
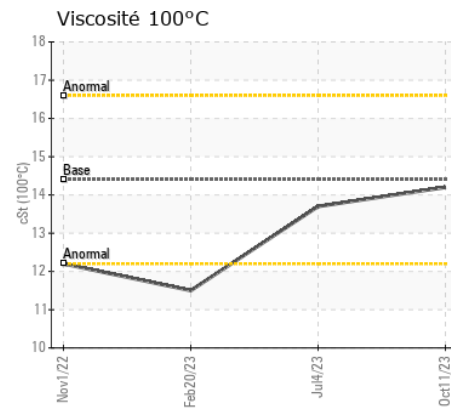
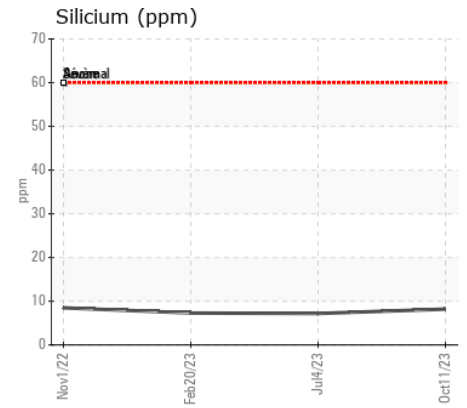
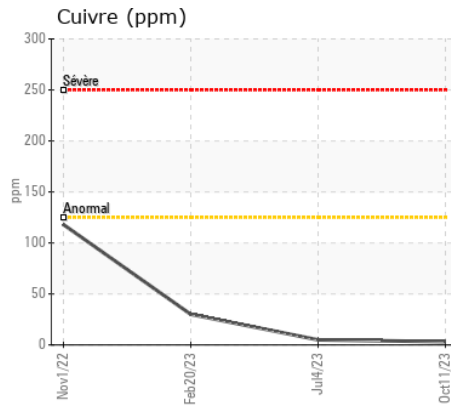
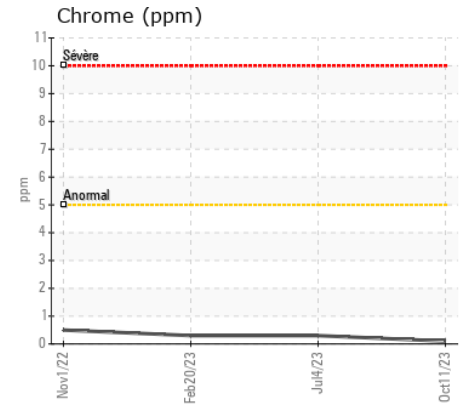
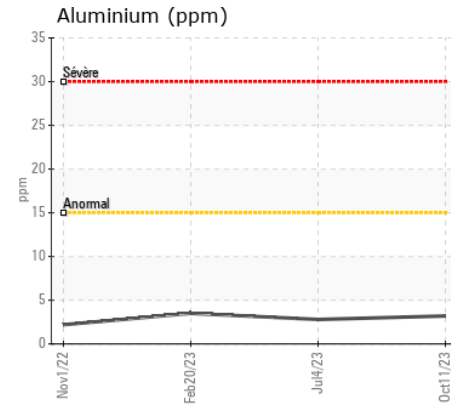
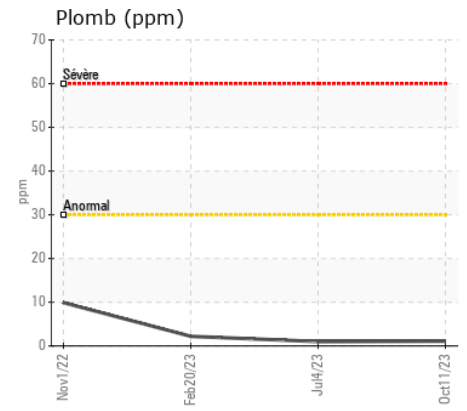
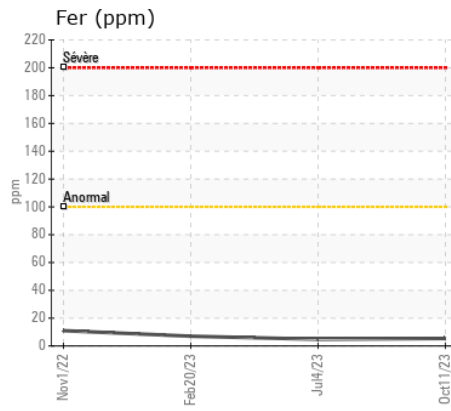
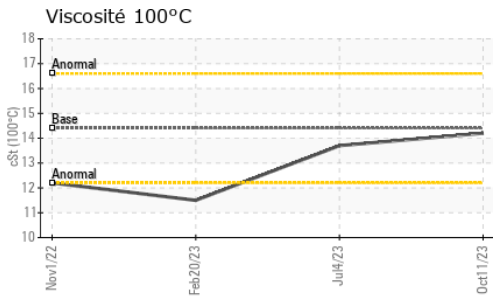
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|----------------|----------|---------------|------|----------------|------|------|
| Silicium | ppm | ASTM D5185(m) | >60 | 8 | 7 | 7 |
| Potassium | ppm | ASTM D5185(m) | >20 | 6 | 2 | 1 |
| Essence | | WC Method | >5 | <1.0 | <1.0 | 0.9 |
| Glycol | | WC Method | | NEG | NEG | NEG |
| % de suie | % | ASTM D7844* | >3 | 0 | 0 | 0 |
| Nitration | Abs/cm | ASTM D7624* | >20 | 9.5 | 9.8 | 10.5 |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 21.9 | 21.8 | 25.3 |
| 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) | >216 | 5 | 3 | 3 |
| Bore | ppm | ASTM D5185(m) | 250 | 24 | 29 | 35 |
| Baryum | ppm | ASTM D5185(m) | 10 | <1 | 1 | 8 |
| Molybdène | ppm | ASTM D5185(m) | 100 | 81 | 89 | 80 |
| Manganèse | ppm | ASTM D5185(m) | | 0 | <1 | <1 |
| Magnésium | ppm | ASTM D5185(m) | 450 | 116 | 180 | 214 |
| Calcium | ppm | ASTM D5185(m) | 3000 | 2261 | 2078 | 2094 |
| Phosphore | ppm | ASTM D5185(m) | 1150 | 1023 | 1099 | 995 |
| Zinc | ppm | ASTM D5185(m) | 1350 | 1252 | 1244 | 1125 |
| Soufre | ppm | ASTM D5185(m) | 4250 | 3020 | 2958 | 2678 |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 18.9 | 18.6 | 23.6 |
| Visc 100°C | cSt | ASTM D7279(m) | 14.4 | 14.2 | 13.7 | 11.5 |



Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : LH0240254
N° de laboratoire : 02588497
Numéro unique : 5657563
Analyse : MOBCE
Reçu : 12 Oct 2023
Diagnostique : 12 Oct 2023
Diagnostiqueur : Wes Davis

TRANSPORT FOUCAULT INC
 614 rte du Canton
 Brownsburg-Chatham, QC
 CA J8G 1P8
 Contact: Patrick Foucault

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: