



LIEBHERR

RAPPORT D'ANALYSE D'HUILE

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



Identité de la machine
LIEBHERR R920 049306-1705

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. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiqui que ce fluide est du (GENERIC) DIESEL ENGINE OIL SAE 40. Veuillez confirmer.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------------|-----|-------------|-----------|--------------------|----------|----------|
| Numéro d'échant. | | Client Info | | LH0279588 | --- | --- |
| Date d'échant. | | Client Info | | 02 Nov 2023 | --- | --- |
| Âge d la Machine | hrs | Client Info | | 566 | --- | --- |
| Âge de l'huile | hrs | Client Info | | 0 | --- | --- |
| Âge du filtre | hrs | Client Info | | 0 | --- | --- |
| Huile changée | | Client Info | | Changed | --- | --- |
| Filtre changé | | Client Info | | N/A | --- | --- |
| Statut de l'échant. | | | | NORMAL | --- | --- |

USURE

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

| | | | | | | |
|-----------|-----|---------------|------|--------------|-----|-----|
| Fer | ppm | ASTM D5185(m) | >100 | 17 | --- | --- |
| Chrome | ppm | ASTM D5185(m) | >5 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | --- | --- |
| Titane | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Argent | ppm | ASTM D5185(m) | >3 | <1 | --- | --- |
| Aluminium | ppm | ASTM D5185(m) | >15 | 2 | --- | --- |
| Plomb | ppm | ASTM D5185(m) | >30 | <1 | --- | --- |
| Cuivre | ppm | ASTM D5185(m) | >125 | 4 | --- | --- |
| Étain | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |

CONTAMINATION

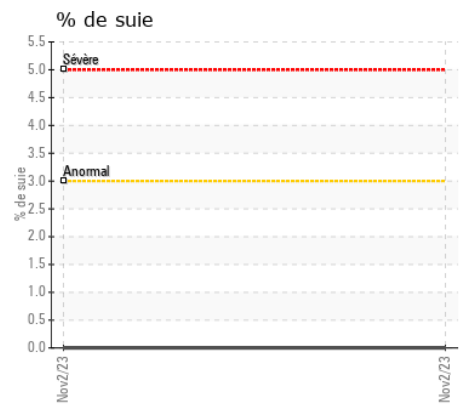
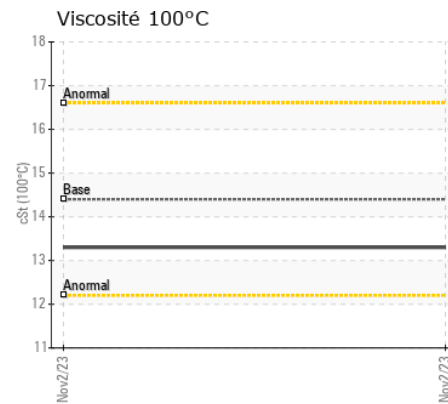
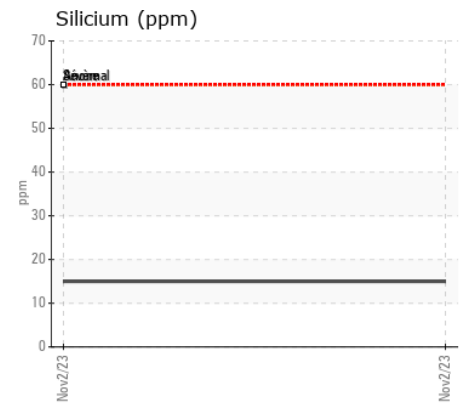
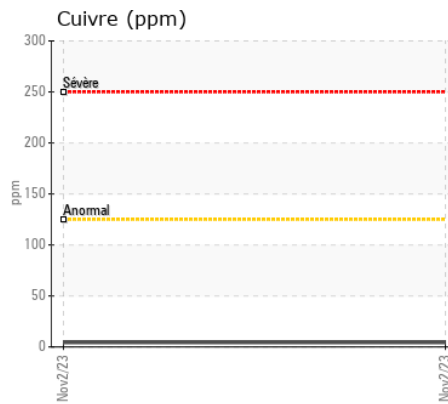
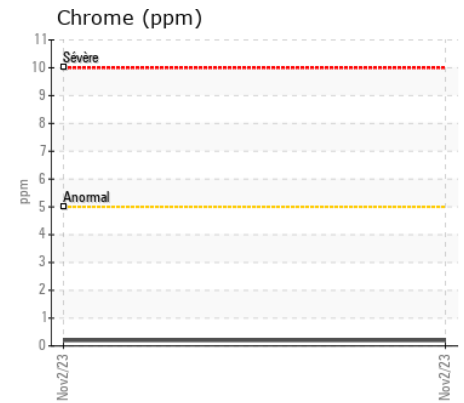
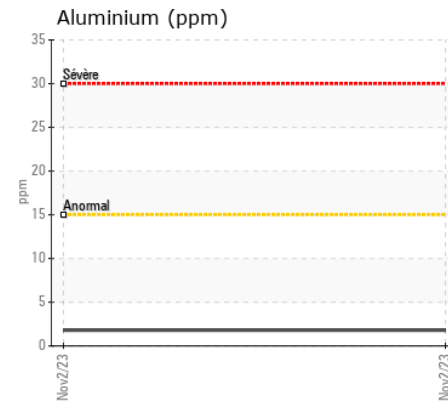
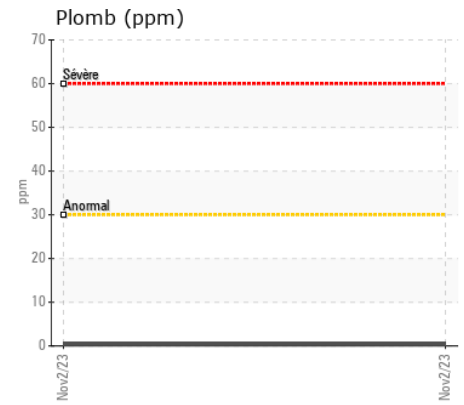
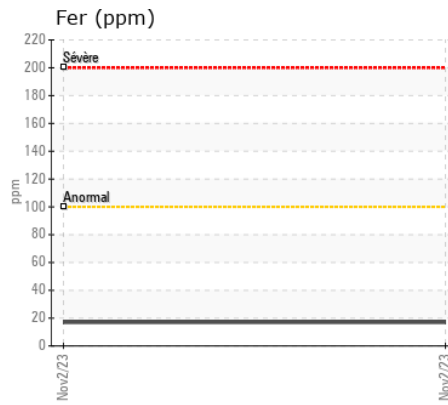
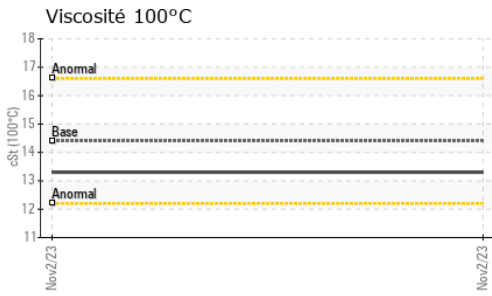
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|----------------|----------|---------------|------|----------------|-----|-----|
| Silicium | ppm | ASTM D5185(m) | >60 | 15 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 0 | --- | --- |
| Essence | | WC Method | >5 | <1.0 | --- | --- |
| Glycol | | WC Method | | NEG | --- | --- |
| % de suie | % | ASTM D7844* | >3 | 0 | --- | --- |
| Nitration | Abs/cm | ASTM D7624* | >20 | 6.8 | --- | --- |
| Sulfatation | Abs/.1mm | ASTM D7415* | >30 | 19.3 | --- | --- |
| Eau émulsifiée | scalar | Visual* | >0.2 | NEG | --- | --- |

ÉTAT DU FLUIDE

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

| | | | | | | |
|------------|----------|---------------|------|--------------|-----|-----|
| Sodium | ppm | ASTM D5185(m) | >216 | 3 | --- | --- |
| Bore | ppm | ASTM D5185(m) | 250 | 11 | --- | --- |
| Baryum | ppm | ASTM D5185(m) | 10 | <1 | --- | --- |
| Molybdène | ppm | ASTM D5185(m) | 100 | 60 | --- | --- |
| Manganèse | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Magnésium | ppm | ASTM D5185(m) | 450 | 915 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | 3000 | 1137 | --- | --- |
| Phosphore | ppm | ASTM D5185(m) | 1150 | 967 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | 1350 | 1174 | --- | --- |
| Soufre | ppm | ASTM D5185(m) | 4250 | 2502 | --- | --- |
| Oxydation | Abs/.1mm | ASTM D7414* | >25 | 15.4 | --- | --- |
| Visc 100°C | cSt | ASTM D7279(m) | 14.4 | 13.3 | --- | --- |



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **MINI EXCAVATION PATRICE BENARD**
N° d'échantillon : LH0279588 **Reçu** : 06 Nov 2023 27 DES EPERVIERS
N° de laboratoire : 02594111 **Diagnostiqué** : 06 Nov 2023 ST-JEAN-SUR-RICHELIEU, QC
Numéro unique : 5671190 **Diagnostiqueur** : Wes Davis CA J2W 2S3
Analyse : MOB 1 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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