



LIEBHERR

RAPPORT D'ANALYSE D'HUILE

USURE **NORMAL**

CONTAMINATION **NORMAL**

ÉTAT DU FLUIDE **NORMAL**



Identité de la machine

LIEBHERR R936 052254-1828

Composant

Transmission finale Gauche

Fluide

LIEBHERR 75W90 (--- 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 | | LH0261057 | LH0239069 | LH |
| Date d'échant. | | Client Info | | 14 Jul 2023 | 31 Aug 2022 | 12 Aug 2021 |
| Âge d la Machine | hrs | Client Info | | 2990 | 1920 | 0 |
| 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 | | 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) | >500 | 118 | 164 | 75 |
| Chrome | ppm | ASTM D5185(m) | >10 | 2 | 3 | 2 |
| Nickel | ppm | ASTM D5185(m) | >10 | <1 | <1 | <1 |
| Titane | ppm | ASTM D5185(m) | | <1 | <1 | 0 |
| Argent | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Aluminium | ppm | ASTM D5185(m) | >25 | 6 | 15 | 2 |
| Plomb | ppm | ASTM D5185(m) | >25 | 0 | 0 | 0 |
| Cuivre | ppm | ASTM D5185(m) | >50 | <1 | 0 | <1 |
| Étain | ppm | ASTM D5185(m) | >10 | 0 | 0 | 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

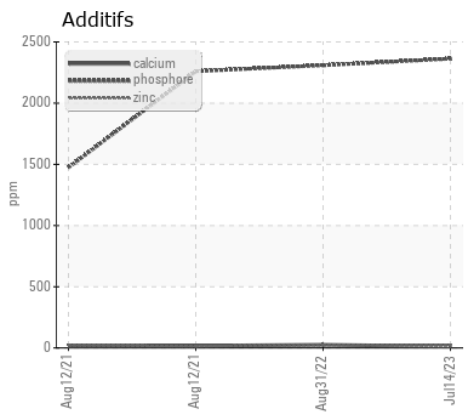
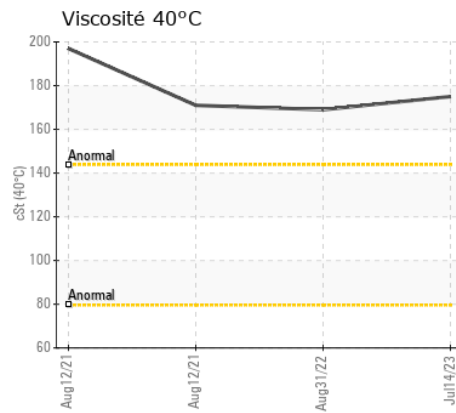
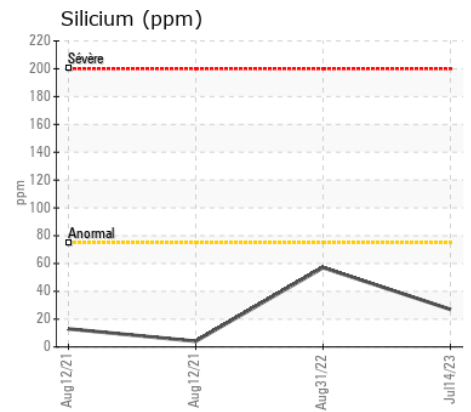
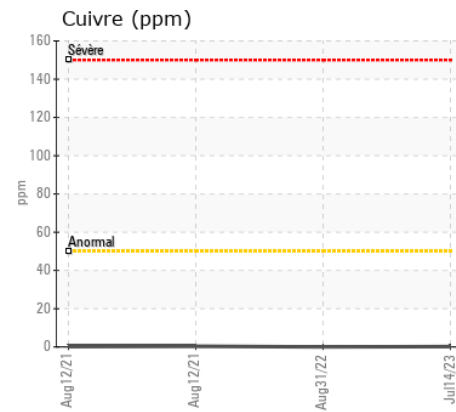
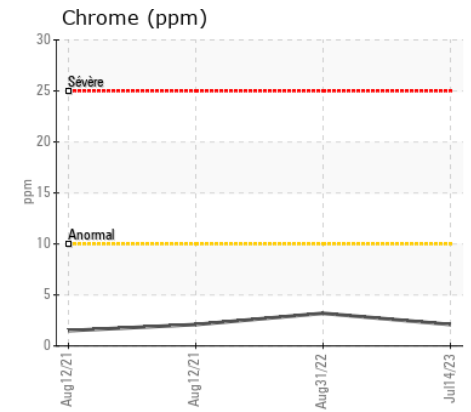
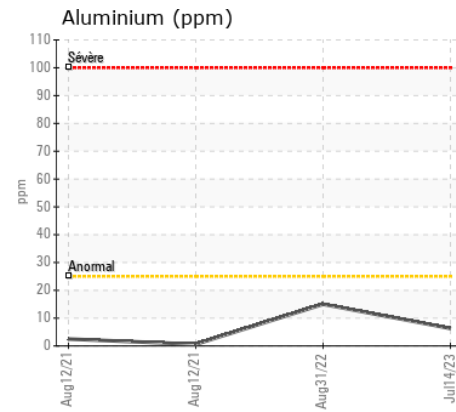
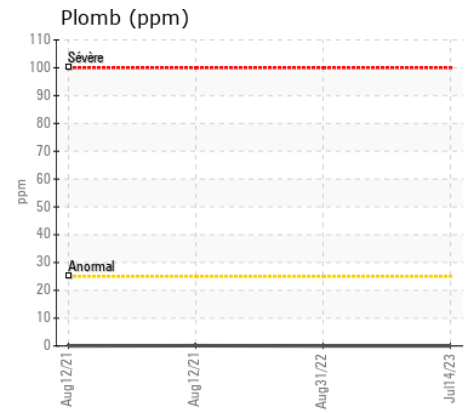
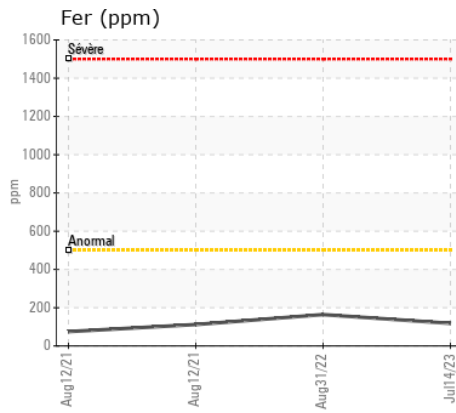
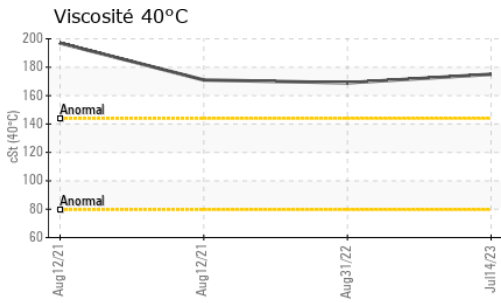
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|----------------|--------|---------------|-------|--------------|-------|-------|
| Silicium | ppm | ASTM D5185(m) | >75 | 27 | 57 | 13 |
| Potassium | ppm | ASTM D5185(m) | >20 | 3 | 6 | 3 |
| Limon | scalar | Visual* | NONE | NONE | NONE | NONE |
| Débris | scalar | Visual* | NONE | NONE | NONE | VLITE |
| 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) | | 3 | 5 | 4 |
| Bore | ppm | ASTM D5185(m) | | 3 | 6 | 13 |
| Baryum | ppm | ASTM D5185(m) | | 1 | 3 | 4 |
| Molybdène | ppm | ASTM D5185(m) | | 0 | 0 | <1 |
| Manganèse | ppm | ASTM D5185(m) | | 2 | 3 | 1 |
| Magnésium | ppm | ASTM D5185(m) | | 3 | 5 | 2 |
| Calcium | ppm | ASTM D5185(m) | | 14 | 26 | 19 |
| Phosphore | ppm | ASTM D5185(m) | | 2363 | 2309 | 2260 |
| Zinc | ppm | ASTM D5185(m) | | 19 | 23 | 14 |
| Soufre | ppm | ASTM D5185(m) | | 27577 | 36895 | 31510 |
| Visc 40°C | cSt | ASTM D7279(m) | | 175 | 169 | 171 |



ISO 17025:2017
Accredited
Laboratory

Laboratoire : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
N° d'échantillon : LH0261057
N° de laboratoire : 02570735
Numéro unique : 5607781
Analyse : MOB 1

Reçu : 18 Jul 2023
Diagnostique : 18 Jul 2023
Diagnostiqueur : Wes Davis

EXCAVATION DYNAMIC INC.
 37 CHEMIN HENRI-PETIT
 RIGAUD, QC
 CA J0P 1P0
 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.
 Validity of results and interpretation are based on the sample and information as supplied.

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F: