



LIEBHERR

OIL ANALYSIS REPORT

| | |
|-----------------|--------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |



Machine Id
LIEBHERR LH22M 136874-1250
Component
Rear Differential
Fluid
LIEBHERR GEAR BASIC 90 LS (--- GAL)

RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|-------------|----------|
| Sample Number | | Client Info | | LH | LH0249972 | --- |
| Sample Date | | Client Info | | 05 Jan 2024 | 25 Jan 2023 | --- |
| Machine Age | hrs | Client Info | | 1000 | 500 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Changed | --- |
| Filter Changed | | Client Info | | None | N/A | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

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

| | | | | | | |
|--------------|--------|---------------|------|------|------|-----|
| Iron | ppm | ASTM D5185(m) | >150 | 19 | 13 | --- |
| Chromium | ppm | ASTM D5185(m) | >5 | <1 | <1 | --- |
| Nickel | ppm | ASTM D5185(m) | >10 | <1 | <1 | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | <1 | --- |
| Silver | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185(m) | >5 | <1 | <1 | --- |
| Lead | ppm | ASTM D5185(m) | >5 | 0 | <1 | --- |
| Copper | ppm | ASTM D5185(m) | >125 | 2 | 7 | --- |
| Tin | ppm | ASTM D5185(m) | >5 | 0 | 0 | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| White Metal | scalar | Visual* | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | --- |

CONTAMINATION

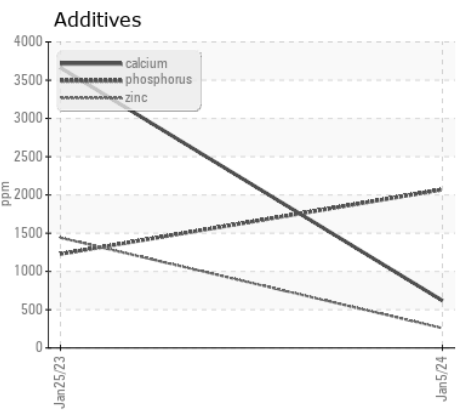
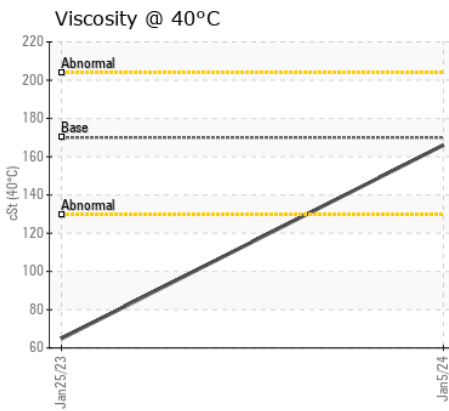
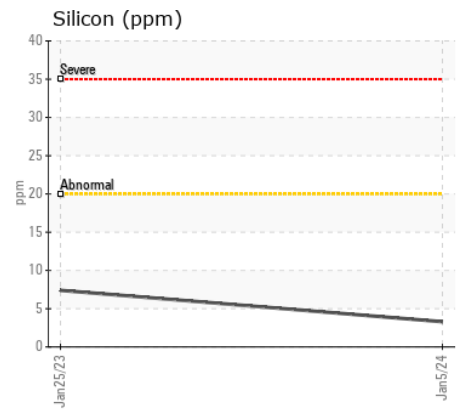
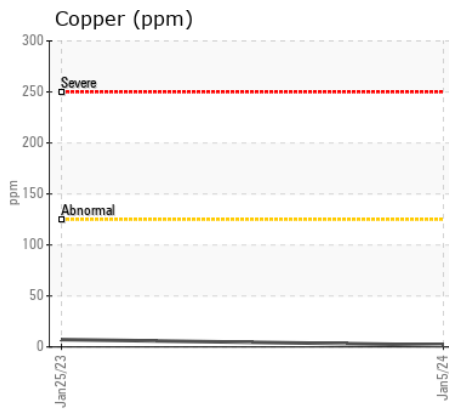
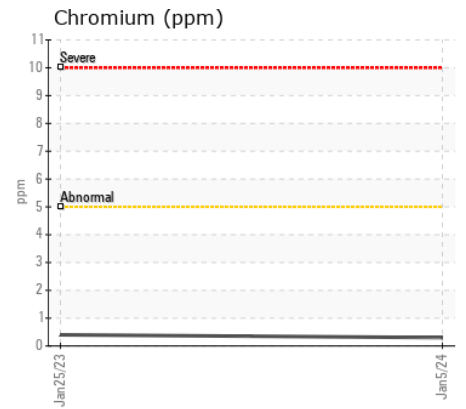
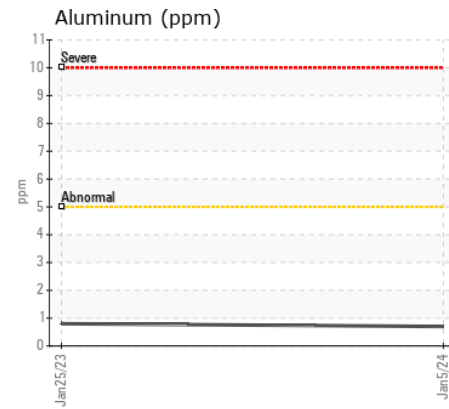
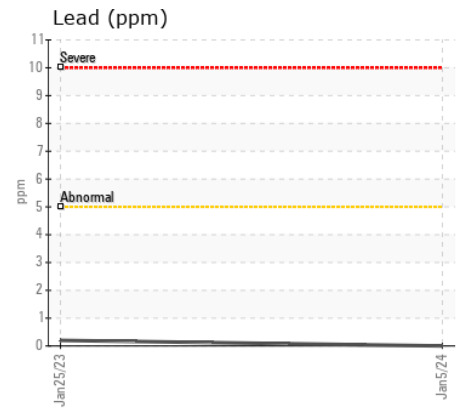
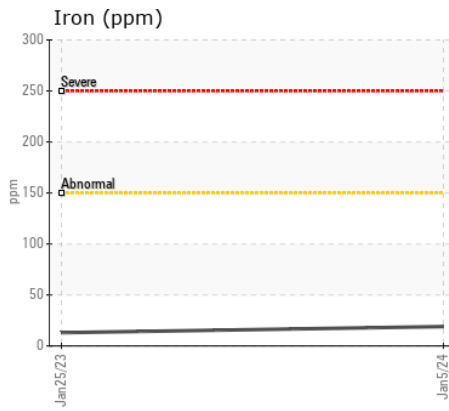
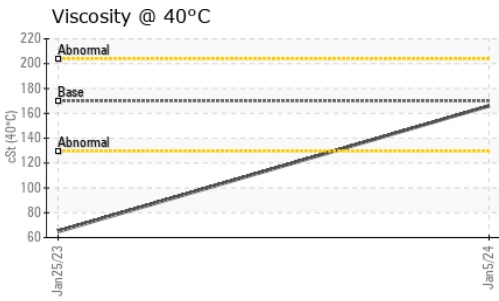
Il n'y a aucun indice de contamination dans l'huile.

| | | | | | | |
|------------------|--------|---------------|-------|-------|-------|-----|
| Silicon | ppm | ASTM D5185(m) | >20 | 3 | 7 | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | <1 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | Visual* | NONE | NONE | NONE | --- |
| Debris | scalar | Visual* | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE | --- |
| Appearance | scalar | Visual* | NORML | NORML | NORML | --- |
| Odor | scalar | Visual* | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | Visual* | >0.2 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|---------------|-------|-------|------|-----|
| Sodium | ppm | ASTM D5185(m) | | 5 | 14 | --- |
| Boron | ppm | ASTM D5185(m) | 0 | 15 | 105 | --- |
| Barium | ppm | ASTM D5185(m) | 0 | <1 | 0 | --- |
| Molybdenum | ppm | ASTM D5185(m) | 0 | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185(m) | 0 | 1 | 2 | --- |
| Magnesium | ppm | ASTM D5185(m) | <1 | 3 | 10 | --- |
| Calcium | ppm | ASTM D5185(m) | <1 | 619 | 3664 | --- |
| Phosphorus | ppm | ASTM D5185(m) | 2143 | 2069 | 1227 | --- |
| Zinc | ppm | ASTM D5185(m) | <1 | 258 | 1441 | --- |
| Sulfur | ppm | ASTM D5185(m) | 23468 | 20581 | 2869 | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 170 | 166 | 64.8 | --- |



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 LA REGIE DES MATIERES RESIDUELLES DU LAC ST-JEAN
Sample No. : LH **Received** : 12 Jan 2024 625 RUE BERGERON OUEST
Lab Number : 02608626 **Diagnosed** : 12 Jan 2024 ALMA, QC
Unique Number : 5709712 **Diagnostician** : Wes Davis CA G8B 1V3
Test Package : MOB 1 **Contact**: Service Manager

To discuss this sample report, contact Customer Service at 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: