



LIEBHERR

OIL ANALYSIS REPORT

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



Machine Id
LIEBHERR LH50M 077508
Component
Swing Drive
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

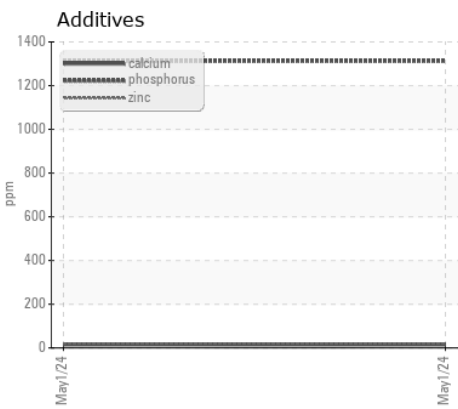
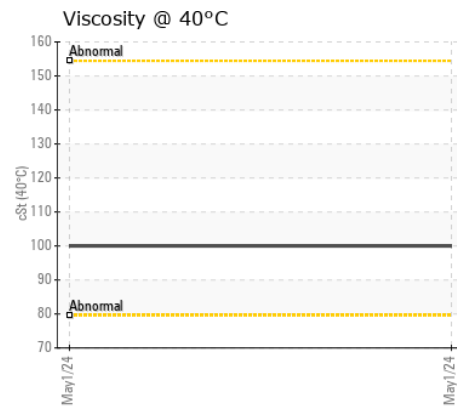
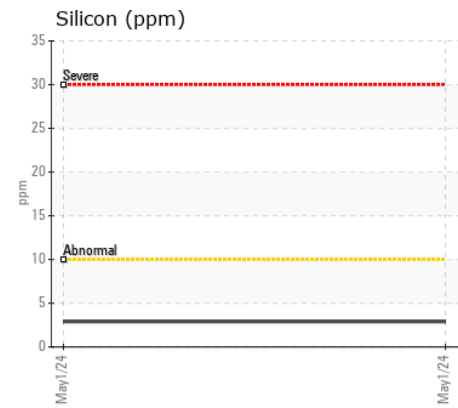
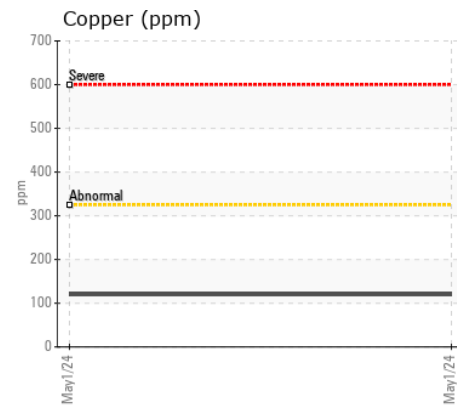
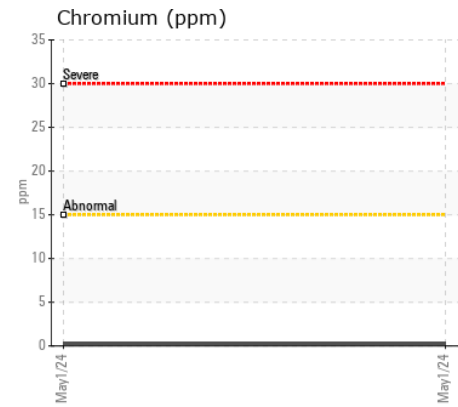
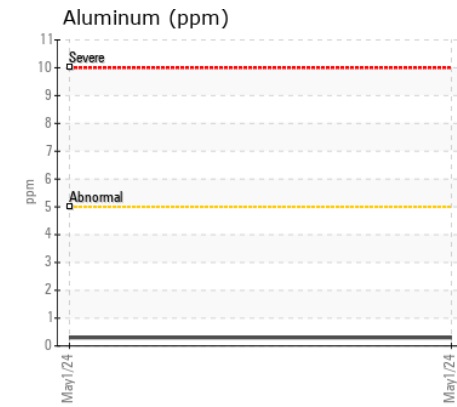
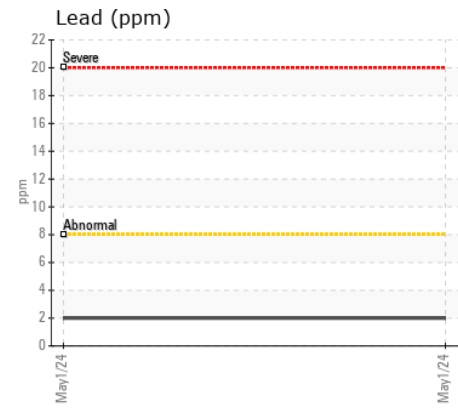
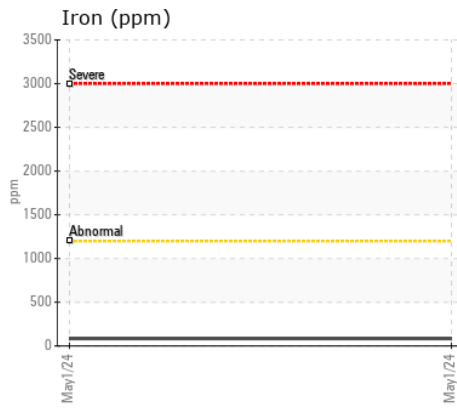
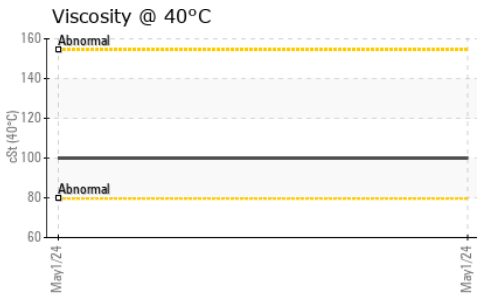
CONTAMINATION

Free water present.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|------------------|--------|---------------|-----------|-------------|----------|----------|
| Sample Number | | Client Info | | LH0289764 | --- | --- |
| Sample Date | | Client Info | | 01 May 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 16364 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | N/A | --- | --- |
| Filter Changed | | Client Info | | N/A | --- | --- |
| Sample Status | | | | ABNORMAL | --- | --- |
| Iron | ppm | ASTM D5185(m) | >1200 | 85 | --- | --- |
| Chromium | ppm | ASTM D5185(m) | >15 | <1 | --- | --- |
| Nickel | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185(m) | >5 | 0 | --- | --- |
| Silver | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185(m) | >5 | <1 | --- | --- |
| Lead | ppm | ASTM D5185(m) | >8 | 2 | --- | --- |
| Copper | ppm | ASTM D5185(m) | >325 | 120 | --- | --- |
| Tin | ppm | ASTM D5185(m) | >15 | 5 | --- | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| White Metal | scalar | Visual* | NONE | LIGHT | --- | --- |
| Yellow Metal | scalar | Visual* | NONE | LIGHT | --- | --- |
| Silicon | ppm | ASTM D5185(m) | >10 | 3 | --- | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | --- | --- |
| Water | | WC Method | >0.2 | NEG | --- | --- |
| Silt | scalar | Visual* | NONE | NONE | --- | --- |
| Debris | scalar | Visual* | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | --- | --- |
| Appearance | scalar | Visual* | NORML | ▲ WGOIL | --- | --- |
| Odor | scalar | Visual* | NORML | NORML | --- | --- |
| Emulsified Water | scalar | Visual* | >0.2 | .2% | --- | --- |
| Sodium | ppm | ASTM D5185(m) | | 3 | --- | --- |
| Boron | ppm | ASTM D5185(m) | | 282 | --- | --- |
| Barium | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | --- | --- |
| Manganese | ppm | ASTM D5185(m) | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185(m) | | 436 | --- | --- |
| Calcium | ppm | ASTM D5185(m) | | 15 | --- | --- |
| Phosphorus | ppm | ASTM D5185(m) | | 1313 | --- | --- |
| Zinc | ppm | ASTM D5185(m) | | 20 | --- | --- |
| Sulfur | ppm | ASTM D5185(m) | | 21481 | --- | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | | 100 | --- | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0289764 **Received** : 13 May 2024
Lab Number : 02635009 **Tested** : 13 May 2024
Unique Number : 5776162 **Diagnosed** : 13 May 2024 - Kevin Marson
Test Package : MOB 1

J.M. BASTILLE ACIER INC
 396 RUE TEMISCOUATA,, CP 744
 RIVIERE DU LOUP, QC
 CA G5R 3Z3
 Contact: MANAGER SERVICE

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.

T: (418)862-3346
 F: