



OIL ANALYSIS REPORT

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



Area
[MH-8]
 Machine Id
LIEBHERR A944C MH8 (S/N 194-52630)
 Component
Swing Drive
 Fluid
Duralene posi traction 90 (11 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | DC0028671 | DC0020952 | DC0009605 |
| Sample Date | | Client Info | | 21 Dec 2023 | 31 Aug 2022 | 06 Jul 2021 |
| Machine Age | hrs | Client Info | | 16545 | 15900 | 14540 |
| Oil Age | hrs | Client Info | | 645 | 1000 | 1000 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | Changed |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|--------------|-------|------|
| Iron | ppm | ASTM D5185m | >2150 | 87 | 109 | 74 |
| Chromium | ppm | ASTM D5185m | >20 | <1 | 1 | <1 |
| Nickel | ppm | ASTM D5185m | >5 | <1 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >2 | 2 | 4 | 0 |
| Lead | ppm | ASTM D5185m | >10 | <1 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >685 | 412 | 170 | 126 |
| Tin | ppm | ASTM D5185m | >30 | 12 | 9 | 4 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | LIGHT | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

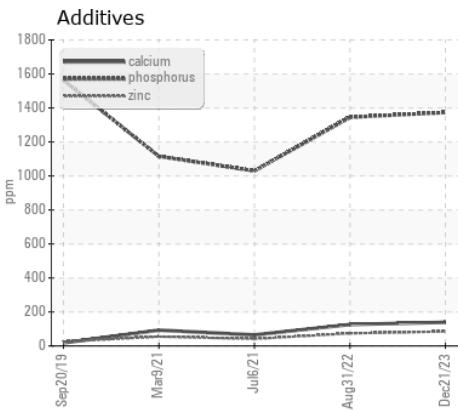
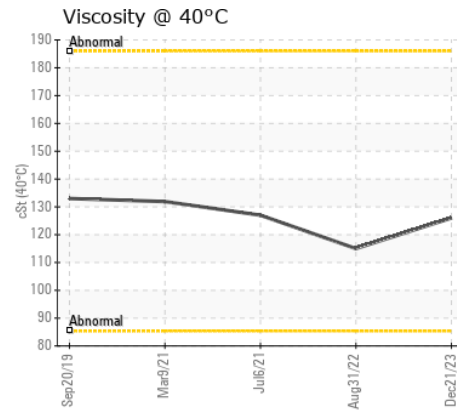
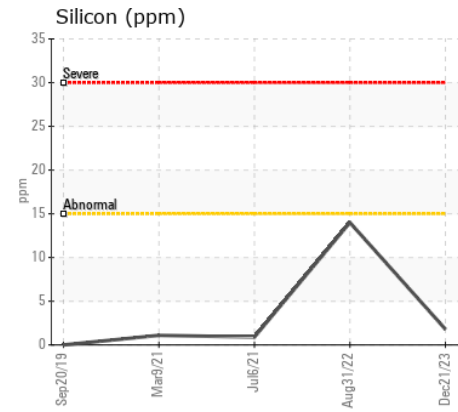
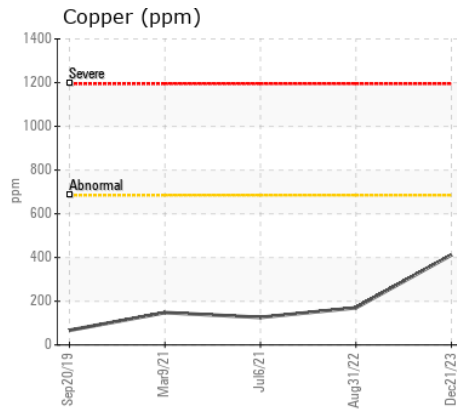
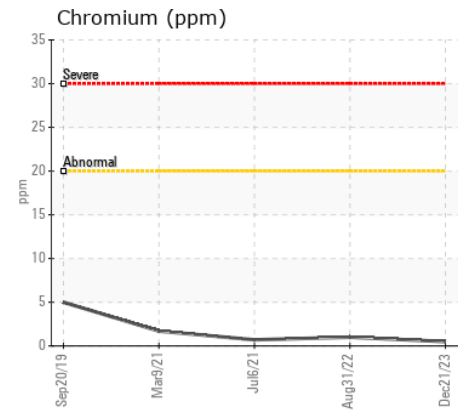
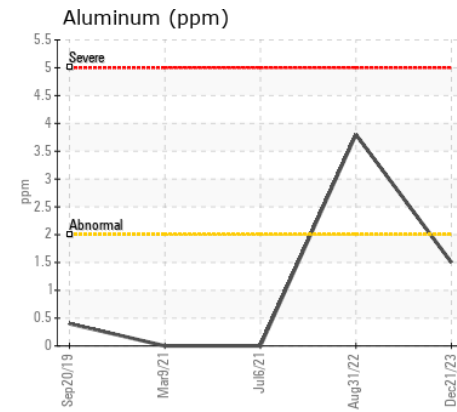
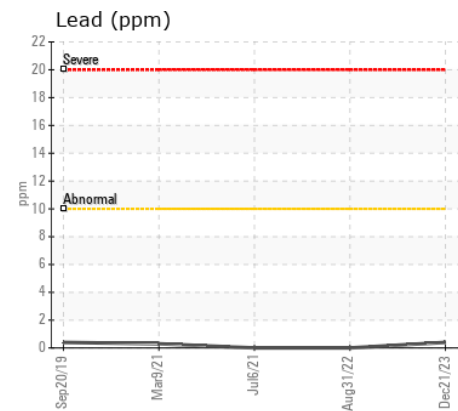
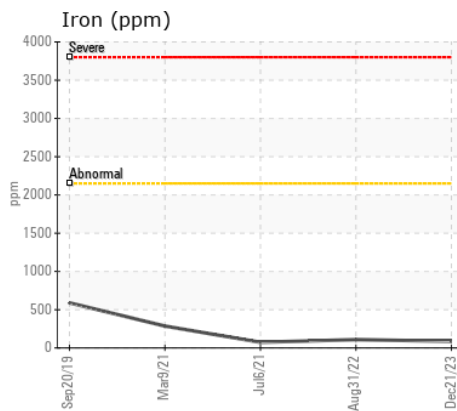
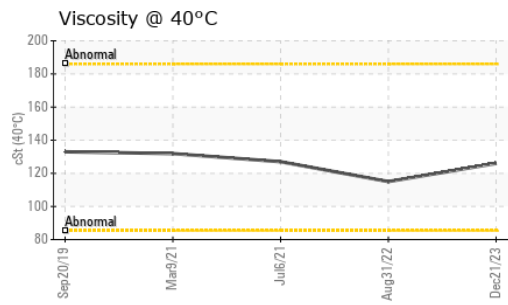
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >15 | 2 | 14 | <1 |
| Potassium | ppm | ASTM D5185m | >20 | 1 | <1 | <1 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | VLITE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|--|--------------|-------|-------|
| Sodium | ppm | ASTM D5185m | | 0 | 2 | <1 |
| Boron | ppm | ASTM D5185m | | 187 | 114 | 73 |
| Barium | ppm | ASTM D5185m | | 2 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 2 | <1 | 3 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 23 | 11 | 7 |
| Calcium | ppm | ASTM D5185m | | 139 | 126 | 65 |
| Phosphorus | ppm | ASTM D5185m | | 1373 | 1345 | 1030 |
| Zinc | ppm | ASTM D5185m | | 85 | 74 | 41 |
| Sulfur | ppm | ASTM D5185m | | 24343 | 29865 | 22745 |
| Visc @ 40°C | cSt | ASTM D445 | | 126 | 115 | 127 |



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0028671 **Received** : 11 Jan 2024
Lab Number : 06058904 **Diagnosed** : 12 Jan 2024
Unique Number : 10830286 **Diagnostician** : Wes Davis
Test Package : MOB 1

CONSERVIT INC.
 PO BOX 1517
 HAGERSTOWN, MD
 US 21740
 Contact: DON LONG

To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (301)791-0100
 F: (301)739-8548