

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 122207-1215 - Swing Drive

Sample No: LH0273224

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0273224 | LH0244670 | --- | --- |
| Sample Date | 08 Jan 2024 | 17 May 2023 | --- | --- |
| Machine Hours | 3977 | 2962 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | N/A | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

RECO EQUIPMENT INC.

1040 REED DRIVE
MONROE, OH
US 45050

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | ● 190 | ● 188 | --- | --- |
|-------------|-----|-------|-------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|------|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | ● <1 | ● <1 | --- | --- |
| Sodium | ppm | ● 0 | ● 1 | --- | --- |
| Potassium | ppm | ● 1 | ● 1 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|------|-----|-----|
| Iron | ppm | ● 35 | ● 25 | --- | --- |
| Copper | ppm | ● 17 | ● 20 | --- | --- |
| Lead | ppm | ● 0 | ● 0 | --- | --- |
| Tin | ppm | ● <1 | ● 0 | --- | --- |
| Aluminum | ppm | ● 2 | ● 0 | --- | --- |
| Chromium | ppm | ● <1 | ● 0 | --- | --- |
| Molybdenum | ppm | ● <1 | ● 0 | --- | --- |
| Nickel | ppm | ● 0 | ● 0 | --- | --- |
| Titanium | ppm | <1 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | ● 0 | ● <1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Calcium | ppm | ● 6 | 8 | --- | --- |
| Magnesium | ppm | ● 0 | ● <1 | --- | --- |
| Zinc | ppm | 0 | 4 | --- | --- |
| Phosphorus | ppm | ● 2145 | ● 2242 | --- | --- |
| Barium | ppm | ● 0 | ● 0 | --- | --- |
| Boron | ppm | ● <1 | <1 | --- | --- |

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

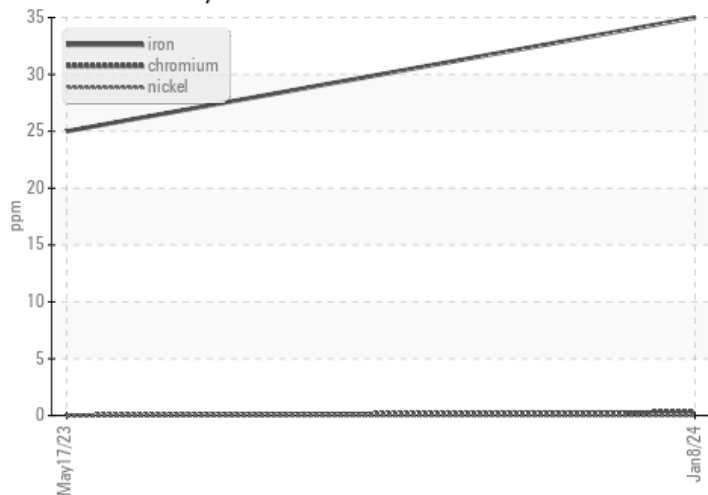
All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0075
Unique No: 10832932
Signed: Wes Davis
Report Date: 17 Jan 2024

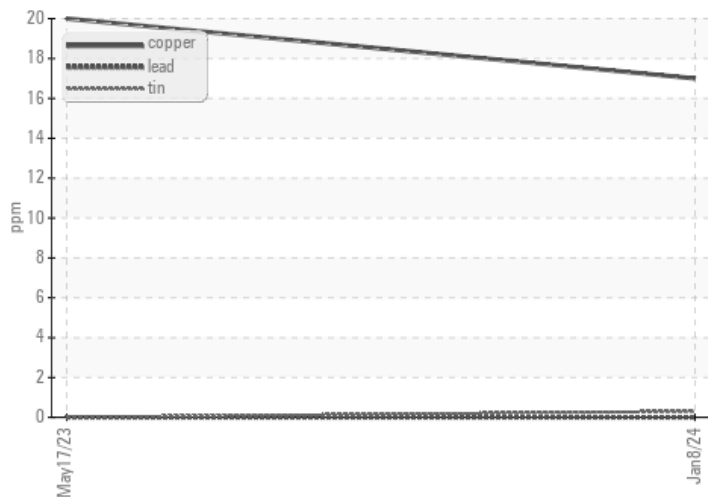


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

