

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 147356-1215 - Swing Drive

Sample No: LH0259169

Oil Type: GEAR OIL SAE 80W90



RECO EQUIPMENT INC
 8075 PRODUCTION DRIVE
 FLORENCE, KY
 US 41042
 Contact: TRACEY EDGERTON
 tedgerton@recoequip.com
 T:
 F: (859)727-7974



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0259169 | --- | --- | --- |
| Sample Date | 09 Oct 2023 | --- | --- | --- |
| Machine Hours | 499 | --- | --- | --- |
| Oil Hours | 499 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 166 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | ● 8 | --- | --- | --- |
| Sodium | ppm | ● 6 | --- | --- | --- |
| Potassium | ppm | ● <1 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|-------|-----|-----|-----|
| Iron | ppm | ● 223 | --- | --- | --- |
| Copper | ppm | ● 146 | --- | --- | --- |
| Lead | ppm | ● 0 | --- | --- | --- |
| Tin | ppm | ● 13 | --- | --- | --- |
| Aluminum | ppm | ● <1 | --- | --- | --- |
| Chromium | ppm | ● <1 | --- | --- | --- |
| Molybdenum | ppm | ● <1 | --- | --- | --- |
| Nickel | ppm | ● <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ● 3 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ● 63 | --- | --- | --- |
| Magnesium | ppm | ● 0 | --- | --- | --- |
| Zinc | ppm | ● 65 | --- | --- | --- |
| Phosphorus | ppm | ● 2159 | --- | --- | --- |
| Barium | ppm | ● 31 | --- | --- | --- |
| Boron | ppm | ● 12 | --- | --- | --- |

Diagnosis

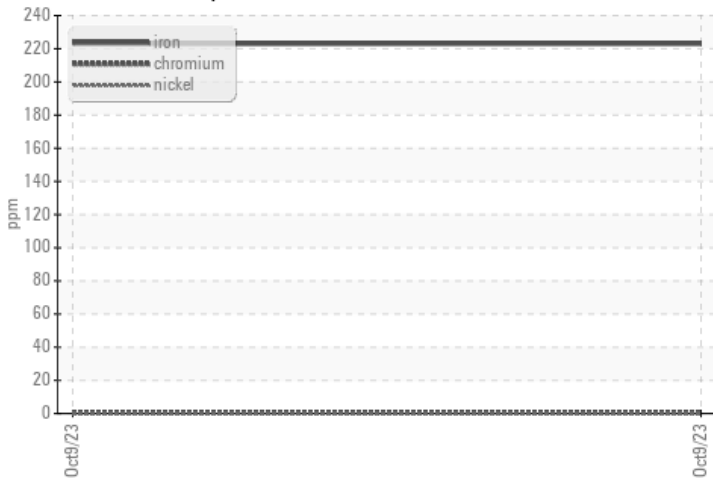
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: LEC0082
Unique No: 10722233
Signed: Sean Felton
Report Date: 01 Nov 2023

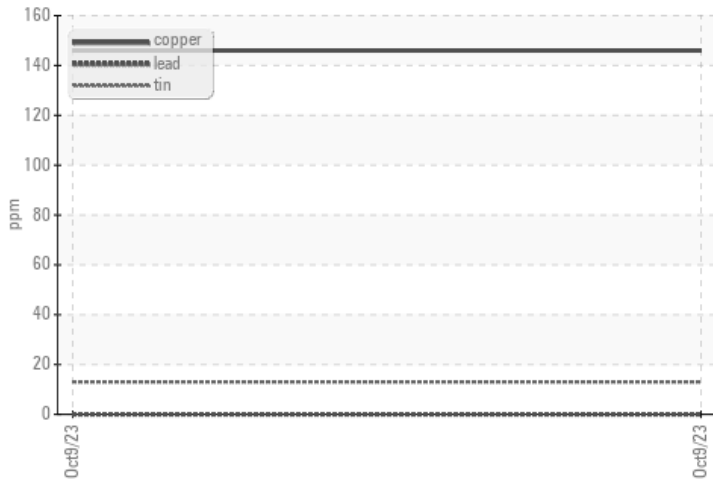


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

