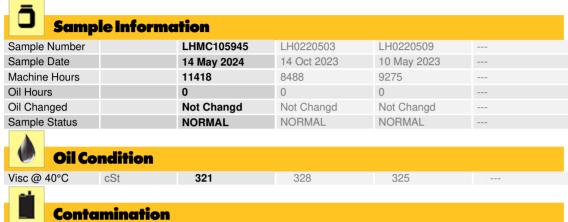
LIEBHERR

CONSTRUCTION EQUIPMENT



Sample No: LHMC105945

Oil Type: CHEVRON MULTIGEAR EP5 80W90



| Conte | amination | | | | |
|--------------|-----------|----------|----------|------------|--|
| Water | % | NEG | NEG | NEG | |
| Silicon | ppm | 6 | 3 | 3 | |
| Sodium | ppm | 3 | 6 | 3 | |
| Potassium | ppm | 2 | O 2 | 0 0 | |
| | | | | | |

| Wed | ar Metals | | | | |
|------------|-----------|--------------|----------|----------|--|
| Iron | ppm | 460 | O 405 | ○ 376 | |
| Copper | ppm | 4 | 3 | O 2 | |
| Lead | ppm | () <1 | O 0 | O 0 | |
| Tin | ppm | 0 | O 0 | O 0 | |
| Aluminum | ppm | 1 | O <1 | O 2 | |
| Chromium | ppm | 4 | 3 | 3 | |
| Molybdenum | ppm | 1 | O <1 | <1 | |
| Nickel | ppm | 0 1 | O <1 | <1 | |
| Titanium | ppm | <1 | <1 | <1 | |
| Silver | ppm | 1 | 0 | 0 | |
| Manganese | ppm | 4 | 3 | 3 | |
| Vanadium | ppm | <1 | 0 | 0 | |
| | | | | | |

| variadium | ppm | <1 | U | U | |
|------------|-------|-------------|-----------|-----------|--|
| | | | | | |
| Addi | tives | | | | |
| Calcium | ppm | 37 | 36 | 28 | |
| Magnesium | ppm | 1 | O <1 | O <1 | |
| Zinc | ppm | 48 | O 54 | O 42 | |
| Phosphorus | ppm | 1005 | O 1160 | O 1131 | |
| Barium | ppm | 0 | O 0 | O | |
| Boron | ppm | 8 | O 6 | 0 8 | |





LIEBHERR MINING EQUIPMENT CO

5800 S DOUGLAS HWY GILLETTE, WY US 82718

Contact: SCOTT BRADLEY scott.bradley@liebherr.com

T: F:

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:LIEGILUnique No:11049824Signed:Sean FeltonReport Date:30 May 2024

CONSTRUCTION EQUIPMENT





Graphs

