LIEBHERR

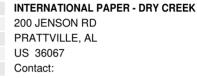
CONSTRUCTION EQUIPMENT



Sample No: LH0164871

Oil Type: GEAR OIL SAE 80W90

| Sample Information | | | | | | |
|--------------------|-------------|--|--|--|--|--|
| Sample Number | LH0164871 | | | | | |
| Sample Date | 24 Jun 2021 | | | | | |
| Machine Hours | 670 | | | | | |
| Oil Hours | 0 | | | | | |
| Oil Changed | Changed | | | | | |
| Sample Status | NORMAL | | | | | |
| A | | | | | | |



| 0 | Oil Co | ndition | | | |
|--------|--------|---------|------------|------|--|
| /isc @ | 40°C | cSt | 111 | | |
| - 1 | | | | | |

T: (800)432-8902 F:

| Contamination | | | | | | | |
|---------------|-----|--------------|--|--|--|--|--|
| Water | % | NEG | | | | | |
| Silicon | ppm | 7 | | | | | |
| Sodium | ppm | 4 | | | | | |
| Potassium | ppm | () <1 | | | | | |
| | | | | | | | |

Diagnosis

Resample at the next service interval to monitor. 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.

| Wed Wed | ır Metals | | | |
|------------|-----------|--------------|------|--|
| Iron | nnm | 5 | | |
| | ppm | | | |
| Copper | ppm | 14 | | |
| Lead | ppm | ○ <1 | | |
| Tin | ppm | 0 | | |
| Aluminum | ppm | 0 | | |
| Chromium | ppm | () <1 | | |
| Molybdenum | ppm | 2 | | |
| Nickel | ppm | 0 | | |
| Titanium | ppm | 0 | | |
| Silver | ppm | 0 | | |
| Manganese | ppm | () <1 | | |
| Vanadium | ppm | 0 | | |
| | | | | |

| Additives | | | | | | | | |
|------------|-----|-------------|--|--|--|--|--|--|
| Calcium | ppm | 171 | | | | | | |
| Magnesium | ppm | 2 | | | | | | |
| Zinc | ppm | 25 | | | | | | |
| Phosphorus | ppm | 1813 | | | | | | |
| Barium | ppm | 4 | | | | | | |
| Boron | ppm | 18 | | | | | | |

Depot: INTPRALH
Unique No: 9566377
Signed: Don Baldridge
Report Date: 02 Jul 2021







Graphs

