LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR R924 049837-1487 - Left Final Drive

Sample No: LH0271990

Oil Type: LIEBHERR GEAR BASIC 90 LS

| _ | | | | |
|---------------|-------------------|--------------|-------------|------|
| Sami | ple Infor | mation | | |
| | 7.0.1.1.0. | | 1110057405 | |
| Sample Number | | LH0271990 | LH0257465 | |
| Sample Date | | 24 May 2024 | 20 Jun 2023 | |
| Machine Hours | | 1516 | 780 | |
| Oil Hours | | 800 | 0 | |
| Oil Changed | | Changed | Changed | |
| Sample Status | | ABNORMAL | NORMAL | |
| | | | | |
| Oil Co | ondition | | | |
| Visc @ 40°C | cSt | 189 | O 196 | |
| -1 | 001 | 0 .00 | 0 100 | |
| | | | | |
| Cont | aminati | on | | |
| Water | % | NEG | NEG | |
| Silicon | ppm | 205 | O 2 | |
| Sodium | ppm | 11 | 8 | |
| Potassium | ppm | 15 | O 5 | |
| | r Metals | | | |
| Iron | ppm | 566 | O 123 | |
| Copper | ppm | O <1 | 0 <1 | |
| Lead | ppm | 0 0 | 0 | |
| Tin | ppm | ○ <1 | O 0 | |
| Aluminum | ppm | 58 | O 3 | |
| Chromium | ppm | 7 | O 2 | |
| Molybdenum | ppm | () <1 | O <1 | |
| Nickel | ppm | 2 | <1 | |
| Titanium | ppm | 4 | <1 | |
| Silver | ppm | 0 | 0 | |
| Manganese | ppm | 7 | O 2 | |
| Vanadium | ppm | 0 | 0 | |
| Addi | tives | | | |
| Calcium | ppm | 119 | 1 9 | |
| Magnesium | ppm | 08 | O 4 | |
| Zinc | ppm | 53 | O 35 | |
| Phosphorus | ppm | 2248 | O 1420 | |
| | P P 1 1 | O == 15 | J | |

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LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD RALEIGH, NC

US 27603

Contact: Timothy Bailey timothy.bailey@liebherr.com

T:

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Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot:LIEBHERRNCUnique No:11062751Signed:Don BaldridgeReport Date:07 Jun 2024

07

() <1

ppm

ppm

Barium

Boron

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Graphs

