

LIEBHERR

CONSTRUCTION EQUIPMENT



076507-1204 - Rear Right Wheel Hub

Sample No: LH0274766

Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-------------|
| Sample Number | LH0274766 | LH0239602 | LH0162369 | LH |
| Sample Date | 12 Oct 2023 | 02 Aug 2022 | 10 Mar 2020 | 23 Jan 2019 |
| Machine Hours | 17007 | 14950 | 10440 | 10440 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | N/A | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

American Iron and Metal

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Contact: Heavy Equipment

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OIL CONDITION

| | | | | | |
|-------------|-----|-----|-----|-----|------|
| Visc @ 40°C | cSt | 102 | 102 | 103 | 99.6 |
|-------------|-----|-----|-----|-----|------|



CONTAMINATION

| | | | | | |
|-----------|-----|----|----|----|----|
| Silicon | ppm | 2 | 2 | 1 | 4 |
| Sodium | ppm | <1 | <1 | 0 | <1 |
| Potassium | ppm | 0 | 1 | <1 | <1 |



WEAR METALS

| | | | | | |
|------------|-----|----|----|----|----|
| Iron | ppm | 4 | 6 | 7 | 6 |
| Copper | ppm | 3 | 4 | 5 | 7 |
| Lead | ppm | <1 | 0 | 0 | <1 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | <1 | <1 | 0 | 0 |
| Chromium | ppm | 0 | 0 | <1 | 0 |
| Molybdenum | ppm | 0 | <1 | <1 | <1 |
| Nickel | ppm | <1 | 0 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | <1 | 0 | <1 | 0 |
| Manganese | ppm | 0 | 0 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------|-----|------|------|
| Calcium | ppm | 7 | 54 | 6 | 17 |
| Magnesium | ppm | <1 | 2 | 2 | 9 |
| Zinc | ppm | 9 | 66 | 8 | 20 |
| Phosphorus | ppm | 1214 | 941 | 1294 | 1235 |
| Barium | ppm | <1 | 0 | <1 | 0 |
| Boron | ppm | 311 | 166 | 330 | 321 |

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.

Depot: AMEHAM

Unique No: 5658103

Signed: Wes Davis

Report Date: 13 Oct 2023



GRAPHS

