

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L586 055862-1334 - Splitter Box

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-------------|
| Sample Number | LH | LH | LH0213744 | LH0199593 |
| Sample Date | 07 Aug 2023 | 23 Apr 2022 | 23 Apr 2022 | 13 Sep 2021 |
| Machine Hours | 8000 | 7000 | 5000 | 3983 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | N/A | Changed | N/A |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

Bird's Hill Gravel and Stone Ltd.

1 Terracon Place

Winnipeg, MB

CA R2J 4B3

Contact: Joel Malkoske

Jmalkoske@glacialagg.ca

T: (204)663-0064

F:



OIL CONDITION

| | | | | | |
|-------------|-----|-----|------|------|-----|
| Visc @ 40°C | cSt | 118 | 97.5 | 80.7 | 128 |
|-------------|-----|-----|------|------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|---|----|---|---|
| Silicon | ppm | 3 | 2 | 2 | 3 |
| Sodium | ppm | 3 | 2 | 2 | 4 |
| Potassium | ppm | 1 | <1 | 1 | 3 |



WEAR METALS

| | | | | | |
|------------|-----|----|----|----|----|
| Iron | ppm | 23 | 27 | 40 | 95 |
| Copper | ppm | <1 | 1 | 3 | 1 |
| Lead | ppm | <1 | 1 | 3 | 2 |
| Tin | ppm | 0 | 0 | <1 | <1 |
| Aluminum | ppm | <1 | <1 | <1 | 1 |
| Chromium | ppm | <1 | <1 | <1 | 1 |
| Molybdenum | ppm | 0 | 0 | <1 | <1 |
| Nickel | ppm | <1 | <1 | <1 | 1 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | <1 |
| Manganese | ppm | <1 | <1 | <1 | 3 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 333 | 376 | 342 | 116 |
| Magnesium | ppm | 9 | 6 | 10 | 17 |
| Zinc | ppm | 246 | 343 | 418 | 124 |
| Phosphorus | ppm | 1927 | 1881 | 1521 | 1903 |
| Barium | ppm | 0 | 0 | 0 | 4 |
| Boron | ppm | 6 | 15 | 9 | 54 |

Diagnosis

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

Depot: BIRWIN

Unique No: 5619661

Signed: Kevin Marson

Report Date: 08 Aug 2023



GRAPHS

