

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C 117763-1527 - Splitter Box

Sample No: LH0270262

Oil Type: GEAR OIL SAE 75W90



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-------------|
| Sample Number | LH0270262 | LH0256612 | LH0247081 | LH0203168 |
| Sample Date | 25 Sep 2023 | 13 Apr 2023 | 16 Dec 2022 | 15 Jul 2022 |
| Machine Hours | 5976 | 5457 | 5012 | 4444 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | N/A | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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 9620 GUELPH LINE
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OIL CONDITION

| | | | | | |
|-------------|-----|------|------|------|------|
| Visc @ 40°C | cSt | 84.5 | 83.5 | 83.0 | 85.0 |
|-------------|-----|------|------|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|---|----|----|----|
| Silicon | ppm | 3 | 2 | 2 | 2 |
| Sodium | ppm | 1 | <1 | <1 | <1 |
| Potassium | ppm | 0 | <1 | <1 | <1 |



WEAR METALS

| | | | | | |
|------------|-----|----|----|----|----|
| Iron | ppm | 23 | 10 | 14 | 12 |
| Copper | ppm | 1 | <1 | <1 | <1 |
| Lead | ppm | <1 | 0 | 0 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | <1 | <1 | <1 | <1 |
| Chromium | ppm | <1 | 0 | 0 | 0 |
| Molybdenum | ppm | 0 | 0 | 0 | 0 |
| Nickel | ppm | <1 | <1 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | <1 | 0 | 0 | 0 |
| Manganese | ppm | 0 | <1 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 39 | 45 | 63 | 69 |
| Magnesium | ppm | 6 | 2 | 2 | 2 |
| Zinc | ppm | 102 | 87 | 78 | 68 |
| Phosphorus | ppm | 1190 | 1251 | 1241 | 1165 |
| Barium | ppm | <1 | 0 | 0 | 0 |
| Boron | ppm | 264 | 270 | 282 | 287 |

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: MOFMOF
 Unique No: 5646344
 Signed: Wes Davis
 Report Date: 26 Sep 2023



GRAPHS

