

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 112545-1253 - Rear Left Wheel Hub

Sample No: LH0291261

Oil Type: GEAR OIL SAE 75W90



GREEN METALS CANADA

224 BEARDS LANE
WOODSTOCK, ON
CA N4S 7W3

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Sample Information

| Sample Number | LH0291261 | LH0270121 | LH0247488 | LH0239540 |
|---------------|-------------|-------------|-------------|-------------|
| Sample Date | 06 May 2024 | 27 Sep 2023 | 13 Dec 2022 | 14 Aug 2022 |
| Machine Hours | 15168 | 1297 | 10473 | 9604 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |



Oil Condition

| Visc @ 40°C | cSt | 105 | 103 | 99.9 | 104 |
|-------------|-----|-----|-----|------|-----|
| | | | | | |



Contamination

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----|-----|-----|-----|
| Silicon | ppm | 0 | 1 | 1 | 1 |
| Sodium | ppm | <1 | 1 | <1 | <1 |
| Potassium | ppm | 0 | 0 | 0 | 0 |



Wear Metals

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



Additives

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 13 | 14 | 20 | 22 |
| Magnesium | ppm | 1 | 1 | 2 | 1 |
| Zinc | ppm | 9 | 8 | 7 | 10 |
| Phosphorus | ppm | 1199 | 1237 | 1304 | 1237 |
| Barium | ppm | 0 | <1 | 0 | 0 |
| Boron | ppm | 311 | 301 | 319 | 311 |

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: GRE224WOO
Unique No: 5775103
Signed: Wes Davis
Report Date: 07 May 2024



Graphs

