

LIEBHERR

CONSTRUCTION EQUIPMENT



[(343446)] LIEBHERR LH60M 124381-1217 - Rear Differential

Sample No: LH0289698

Oil Type: GEAR OIL SAE 75W90



Sample Information

| | | | | |
|---------------|-------------|-------------|-------------|-------------|
| Sample Number | LH0289698 | LH0247153 | LH0256685 | LH0251493 |
| Sample Date | 16 Apr 2024 | 26 Jun 2023 | 02 Apr 2023 | 06 Feb 2023 |
| Machine Hours | 13245 | 10141 | 9107 | 8526 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

RAM IRON AND METAL

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Oil Condition

| | | | | | |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 106 | 106 | 101 | 101 |
|-------------|-----|-----|-----|-----|-----|



Contamination

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----|-----|-----|-----|
| Silicon | ppm | <1 | 2 | 2 | 2 |
| Sodium | ppm | 6 | <1 | <1 | <1 |
| Potassium | ppm | <1 | <1 | <1 | <1 |

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.



Wear Metals

| | | | | | |
|------------|-----|---|----|----|----|
| Iron | ppm | 3 | 4 | 6 | 4 |
| Copper | ppm | 2 | 5 | 6 | 4 |
| Lead | ppm | 0 | 0 | <1 | 0 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | 0 | <1 | <1 | <1 |
| Chromium | ppm | 0 | 0 | 0 | 0 |
| Molybdenum | ppm | 0 | 0 | 0 | 0 |
| Nickel | ppm | 0 | 0 | 0 | 0 |
| Titanium | ppm | 0 | 0 | 0 | 0 |
| Silver | ppm | 0 | 0 | 0 | 0 |
| Manganese | ppm | 0 | 0 | <1 | 0 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



Additives

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 12 | 5 | 8 | 8 |
| Magnesium | ppm | 1 | 1 | 2 | 2 |
| Zinc | ppm | 12 | 11 | 14 | 14 |
| Phosphorus | ppm | 1223 | 1280 | 1321 | 1358 |
| Barium | ppm | 0 | 0 | 0 | 0 |
| Boron | ppm | 312 | 299 | 317 | 321 |

Depot: RAMTOR
Unique No: 5762929
Signed: Wes Davis
Report Date: 17 Apr 2024



Graphs

