

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 145111-1217 - Rear Left Wheel Hub

Sample No: LH0247464

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0247464 | LH0261407 | --- | --- |
| Sample Date | 20 Jun 2023 | 27 Apr 2023 | --- | --- |
| Machine Hours | 1188 | 558 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

RAM IRON AND METAL

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OIL CONDITION

| | | | | | |
|-------------|-----|-----|-----|-----|-----|
| Visc @ 40°C | cSt | 114 | 175 | --- | --- |
|-------------|-----|-----|-----|-----|-----|



CONTAMINATION

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



WEAR METALS

| | | | | | |
|------------|-----|----|----|-----|-----|
| Iron | ppm | 11 | 26 | --- | --- |
| Copper | ppm | 16 | 6 | --- | --- |
| Lead | ppm | <1 | <1 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | <1 | <1 | --- | --- |
| Chromium | ppm | 0 | 0 | --- | --- |
| Molybdenum | ppm | 0 | 0 | --- | --- |
| Nickel | ppm | <1 | <1 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 0 | 0 | --- | --- |
| Manganese | ppm | <1 | <1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|------|-----|-----|
| Calcium | ppm | 6 | 8 | --- | --- |
| Magnesium | ppm | 1 | 1 | --- | --- |
| Zinc | ppm | 16 | 9 | --- | --- |
| Phosphorus | ppm | 1357 | 1356 | --- | --- |
| Barium | ppm | 46 | 286 | --- | --- |
| Boron | ppm | 272 | 32 | --- | --- |

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm. 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: RAMTOR
Unique No: 5605925
Signed: Kevin Marson
Report Date: 10 Jul 2023



GRAPHS

