

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 139284-1253 - Rear Left Wheel Hub

Sample No: LH0239959

Oil Type: LIEBHERR GEAR BASIC 90 LS



HUBERT & FILS

474 ROUTE 105
BOIS-FRANC, QC
CA J9E 3A9

Contact: Eric Brisebois
ericbrisebois99@gmail.com

T:
F:



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-----|
| Sample Number | LH0239959 | LH0208259 | LH0241866 | --- |
| Sample Date | 04 Sep 2023 | 06 Jul 2023 | 18 Apr 2023 | --- |
| Machine Hours | 2265 | 1668 | 1142 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-----|-----|------|-----|
| Visc @ 40°C | cSt | 179 | 175 | 99.9 | --- |
|-------------|-----|-----|-----|------|-----|



CONTAMINATION

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



WEAR METALS

| | | | | | |
|------------|-----|----|----|----|-----|
| Iron | ppm | 6 | 7 | 3 | --- |
| Copper | ppm | 1 | <1 | 1 | --- |
| Lead | ppm | 0 | 0 | 0 | --- |
| Tin | ppm | 0 | 0 | 0 | --- |
| Aluminum | ppm | <1 | <1 | 0 | --- |
| Chromium | ppm | 0 | 0 | 0 | --- |
| Molybdenum | ppm | 0 | 0 | 0 | --- |
| Nickel | ppm | <1 | <1 | <1 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | <1 | 0 | 0 | --- |
| Manganese | ppm | 0 | <1 | <1 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|-----|
| Calcium | ppm | 29 | 97 | 154 | --- |
| Magnesium | ppm | <1 | 1 | <1 | --- |
| Zinc | ppm | 8 | 32 | 157 | --- |
| Phosphorus | ppm | 2247 | 2282 | 1302 | --- |
| Barium | ppm | <1 | <1 | 0 | --- |
| Boron | ppm | 5 | 17 | 101 | --- |

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: HUBBOI
Unique No: 5659443
Signed: Wes Davis
Report Date: 19 Oct 2023



GRAPHS

