

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 138696-1253 - Front Differential

Sample No: LH0279135

Oil Type: LIEBHERR GEAR BASIC 90 LS



METAUX 139 INC.
86 RTE MARIE-VICTORIN
PIERREVILLE, QC
CA J0G 1J0
Contact: Service Manager



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-----|
| Sample Number | LH0279135 | LH0256075 | LH0250873 | --- |
| Sample Date | 26 Jan 2024 | 14 Jun 2023 | 15 Feb 2023 | --- |
| Machine Hours | 3129 | 1925 | 1202 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-----|-----|------|-----|
| Visc @ 40°C | cSt | 190 | 166 | 64.1 | --- |
|-------------|-----|-----|-----|------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 2 | 2 | 11 | --- |
| Sodium | ppm | 1 | 2 | 15 | --- |
| Potassium | ppm | 1 | <1 | 1 | --- |



WEAR METALS

| | | | | | |
|------------|-----|----|----|----|-----|
| Iron | ppm | 8 | 4 | 10 | --- |
| Copper | ppm | <1 | <1 | 2 | --- |
| Lead | ppm | 0 | 0 | <1 | --- |
| Tin | ppm | 0 | 0 | 0 | --- |
| Aluminum | ppm | 0 | <1 | 1 | --- |
| Chromium | ppm | 0 | 0 | <1 | --- |
| Molybdenum | ppm | 0 | 0 | 0 | --- |
| Nickel | ppm | <1 | <1 | 0 | --- |
| Titanium | ppm | 0 | 0 | <1 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | 0 | <1 | 4 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|-----|
| Calcium | ppm | 36 | 342 | 3686 | --- |
| Magnesium | ppm | 2 | 1 | 11 | --- |
| Zinc | ppm | 15 | 138 | 1434 | --- |
| Phosphorus | ppm | 2298 | 2383 | 1225 | --- |
| Barium | ppm | 0 | 0 | <1 | --- |
| Boron | ppm | 2 | 10 | 99 | --- |

T:
F:

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: MET126WIC
Unique No: 5721298
Signed: Wes Davis
Report Date: 30 Jan 2024



GRAPHS

