

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 137424-1253 - Splitter Box

Sample No: LH0228734

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0228734 | LH0228722 | --- | --- |
| Sample Date | 21 Jun 2023 | 25 Nov 2022 | --- | --- |
| Machine Hours | 2000 | 1000 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |

CAC ENTERPRISES GROUP INC.

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T:
F:



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | ● 188 | ● 190 | --- | --- |
|-------------|-----|-------|-------|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Silicon | ppm | ● 3 | ● 2 | --- | --- |
| Sodium | ppm | ● 5 | ● 5 | --- | --- |
| Potassium | ppm | ● 2 | ● 2 | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|------|------|-----|-----|
| Iron | ppm | ● 25 | ● 28 | --- | --- |
| Copper | ppm | ● 1 | ● <1 | --- | --- |
| Lead | ppm | ● <1 | ● <1 | --- | --- |
| Tin | ppm | ● 0 | ● 0 | --- | --- |
| Aluminum | ppm | ● <1 | ● <1 | --- | --- |
| Chromium | ppm | ● <1 | ● 0 | --- | --- |
| Molybdenum | ppm | ● 0 | ● 0 | --- | --- |
| Nickel | ppm | ● <1 | ● 0 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | 6 | 0 | --- | --- |
| Manganese | ppm | ● 2 | ● 2 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Calcium | ppm | 60 | ● 62 | --- | --- |
| Magnesium | ppm | ● 4 | ● 3 | --- | --- |
| Zinc | ppm | 20 | 25 | --- | --- |
| Phosphorus | ppm | ● 1618 | ● 1681 | --- | --- |
| Barium | ppm | ● <1 | ● 0 | --- | --- |
| Boron | ppm | ● 1 | ● 1 | --- | --- |

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: CAC241EDM
Unique No: 5620807
Signed: Wes Davis
Report Date: 14 Aug 2023



GRAPHS

