

LIEBHERR

CONSTRUCTION EQUIPMENT



[[GELENA ROAD GRAVEL]] LIEBHERR L556 068648-1827 - Spli

Sample No: LHMC133772

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | LHMC133772 | --- | --- | --- |
| Sample Date | 11 Sep 2023 | --- | --- | --- |
| Machine Hours | 1000 | --- | --- | --- |
| Oil Hours | 1000 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | ABNORMAL | --- | --- | --- |

FINKBINER EQUIPMENT

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 170 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Silicon | ppm | ● 4 | --- | --- | --- |
| Sodium | ppm | ● 9 | --- | --- | --- |
| Potassium | ppm | ● 2 | --- | --- | --- |

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. 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 | ● 220 | --- | --- | --- |
| Copper | ppm | ● 6 | --- | --- | --- |
| Lead | ppm | ● <1 | --- | --- | --- |
| Tin | ppm | ● 0 | --- | --- | --- |
| Aluminum | ppm | ● <1 | --- | --- | --- |
| Chromium | ppm | ● <1 | --- | --- | --- |
| Molybdenum | ppm | ● 1 | --- | --- | --- |
| Nickel | ppm | ● 4 | --- | --- | --- |
| Titanium | ppm | ● 0 | --- | --- | --- |
| Silver | ppm | ● 0 | --- | --- | --- |
| Manganese | ppm | ● 5 | --- | --- | --- |
| Vanadium | ppm | ● 0 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ● 98 | --- | --- | --- |
| Magnesium | ppm | ● 27 | --- | --- | --- |
| Zinc | ppm | ● 99 | --- | --- | --- |
| Phosphorus | ppm | ● 2159 | --- | --- | --- |
| Barium | ppm | ● 13 | --- | --- | --- |
| Boron | ppm | ● 2 | --- | --- | --- |

Depot: FINEASIL

Unique No: 10696447

Signed: Jonathan Hester

Report Date: 17 Oct 2023



GRAPHS

