

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R9150BH 038151-1956 - Left Final Drive

Sample No: LH0236438

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0236438 | --- | --- | --- |
| Sample Date | 12 Oct 2023 | --- | --- | --- |
| Machine Hours | 2950 | --- | --- | --- |
| Oil Hours | 817 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

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OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 139 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

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

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.



WEAR METALS

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | ● 13 | --- | --- | --- |
| Copper | ppm | ● 0 | --- | --- | --- |
| Lead | ppm | ● 0 | --- | --- | --- |
| Tin | ppm | ● 0 | --- | --- | --- |
| Aluminum | ppm | ● <1 | --- | --- | --- |
| Chromium | ppm | ● 0 | --- | --- | --- |
| Molybdenum | ppm | ● 0 | --- | --- | --- |
| Nickel | ppm | ● 0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ● 0 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



ADDITIVES

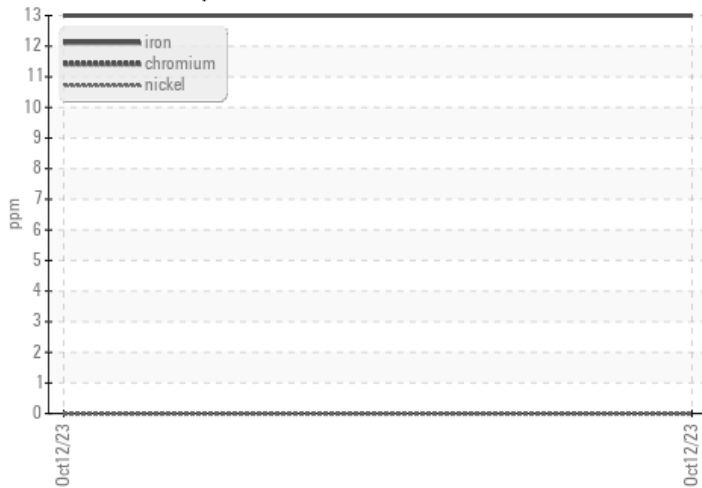
| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ● 13 | --- | --- | --- |
| Magnesium | ppm | ● 0 | --- | --- | --- |
| Zinc | ppm | ● 0 | --- | --- | --- |
| Phosphorus | ppm | ● 1020 | --- | --- | --- |
| Barium | ppm | ● 0 | --- | --- | --- |
| Boron | ppm | ● 223 | --- | --- | --- |

Depot: LEC0008
Unique No: 10701548
Signed: Doug Bogart
Report Date: 20 Oct 2023

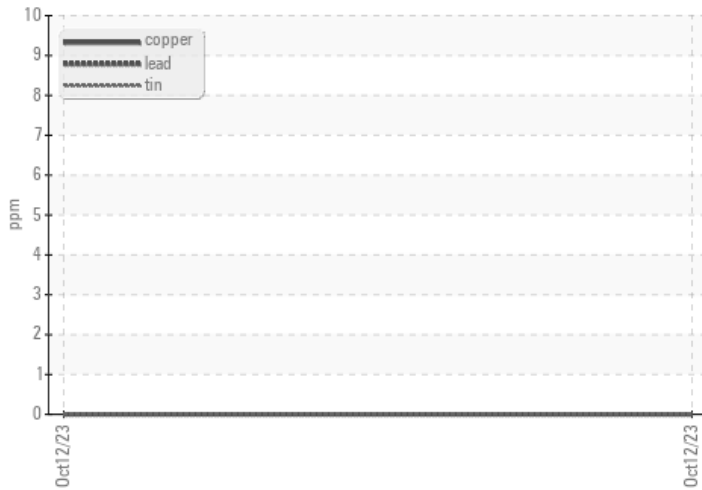


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

