

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LTM1090-4.2 089274 - 2 Axle

Sample No: LH0258648
 Oil Type: LIEBHERR GEAR HYPOID 90 EP



Sample Information

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0258648 | --- | --- | --- |
| Sample Date | 28 May 2024 | --- | --- | --- |
| Machine Hours | 20437 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |

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Oil Condition

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 196 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



Contamination

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | ● 3 | --- | --- | --- |
| Sodium | ppm | ● 4 | --- | --- | --- |
| 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 | ● 89 | --- | --- | --- |
| Copper | ppm | ● 9 | --- | --- | --- |
| Lead | ppm | ● 0 | --- | --- | --- |
| Tin | ppm | ● 0 | --- | --- | --- |
| Aluminum | ppm | ● 0 | --- | --- | --- |
| Chromium | ppm | ● <1 | --- | --- | --- |
| Molybdenum | ppm | ● 0 | --- | --- | --- |
| Nickel | ppm | ● <1 | --- | --- | --- |
| Titanium | ppm | <1 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ● 2 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |



Additives

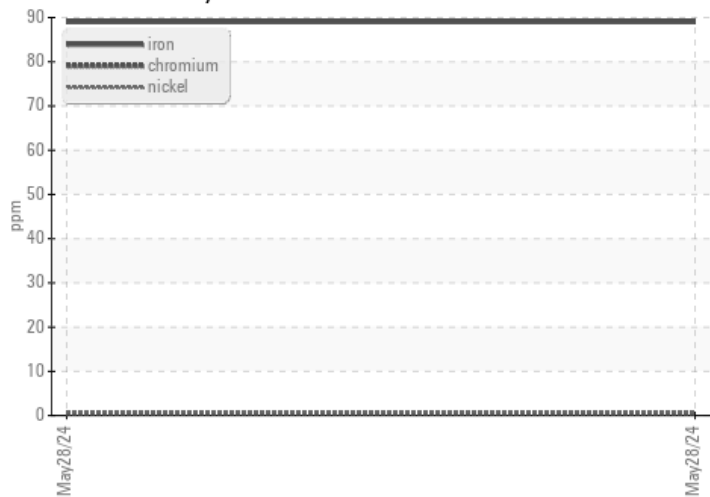
| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ● 0 | --- | --- | --- |
| Magnesium | ppm | 0 | --- | --- | --- |
| Zinc | ppm | ● 5 | --- | --- | --- |
| Phosphorus | ppm | ● 1322 | --- | --- | --- |
| Barium | ppm | ● 0 | --- | --- | --- |
| Boron | ppm | ● 0 | --- | --- | --- |

Depot: LIENEW
 Unique No: 11062983
 Signed: Wes Davis
 Report Date: 06 Jun 2024

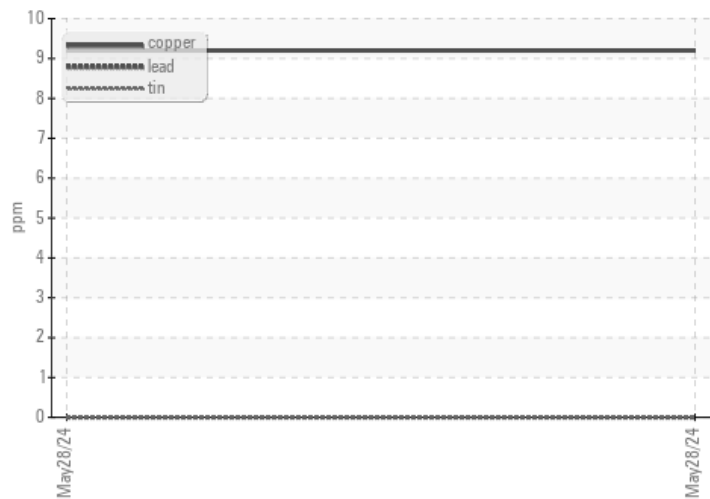


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

