

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L546 L546 (S/N 064310-1755) - Rear Axle

Sample No: LH0264576

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR EQUIPMENT SOURCE
 8200 FAYETTEVILLE ROAD
 RALEIGH, NC
 US 27603
 Contact: TAYLOR BLALOCK
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Sample Information

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0264576 | --- | --- | --- |
| Sample Date | 01 Apr 2024 | --- | --- | --- |
| Machine Hours | 825 | --- | --- | --- |
| Oil Hours | 825 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | NORMAL | --- | --- | --- |



Oil Condition

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 182 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



Contamination

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Silicon | ppm | ● 9 | --- | --- | --- |
| Sodium | ppm | ● 9 | --- | --- | --- |
| Potassium | ppm | ● 4 | --- | --- | --- |



Wear Metals

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Iron | ppm | ● 95 | --- | --- | --- |
| Copper | ppm | ● <1 | --- | --- | --- |
| Lead | ppm | ● 0 | --- | --- | --- |
| Tin | ppm | ● 0 | --- | --- | --- |
| Aluminum | ppm | ● <1 | --- | --- | --- |
| Chromium | ppm | ● <1 | --- | --- | --- |
| Molybdenum | ppm | ● 0 | --- | --- | --- |
| Nickel | ppm | ● 0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ● 10 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



Additives

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | ● 41 | --- | --- | --- |
| Magnesium | ppm | ● 0 | --- | --- | --- |
| Zinc | ppm | ● 19 | --- | --- | --- |
| Phosphorus | ppm | ● 2323 | --- | --- | --- |
| Barium | ppm | ● 0 | --- | --- | --- |
| Boron | ppm | ● 0 | --- | --- | --- |

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: LIEBHERRNC
 Unique No: 10957214
 Signed: Sean Felton
 Report Date: 05 Apr 2024

Submitted By: TAYLOR BLALOCK

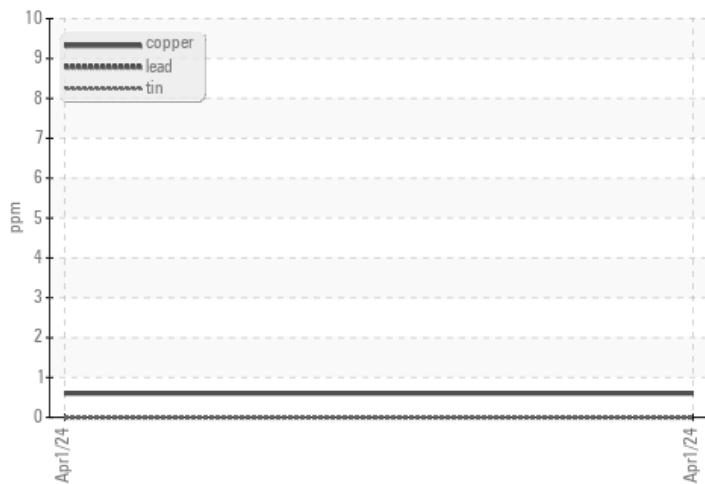


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

