

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A934BHD 022282-934 - Splitter Box

Sample No: LHMC91085
 Oil Type: GEAR OIL SAE 90



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SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | LHMC91085 | --- | --- | --- |
| Sample Date | 16 Aug 2023 | --- | --- | --- |
| Machine Hours | 48596 | --- | --- | --- |
| Oil Hours | 0 | --- | --- | --- |
| Oil Changed | Changed | --- | --- | --- |
| Sample Status | SEVERE | --- | --- | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-------|-----|-----|-----|
| Visc @ 40°C | cSt | ● 149 | --- | --- | --- |
|-------------|-----|-------|-----|-----|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Silicon | ppm | ● 19 | --- | --- | --- |
| Sodium | ppm | ● 6 | --- | --- | --- |
| Potassium | ppm | ● 2 | --- | --- | --- |



WEAR METALS

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Iron | ppm | ● 1323 | --- | --- | --- |
| Copper | ppm | ● 42 | --- | --- | --- |
| Lead | ppm | ● 1 | --- | --- | --- |
| Tin | ppm | ● 0 | --- | --- | --- |
| Aluminum | ppm | ● 5 | --- | --- | --- |
| Chromium | ppm | ● 14 | --- | --- | --- |
| Molybdenum | ppm | ● <1 | --- | --- | --- |
| Nickel | ppm | ● 2 | --- | --- | --- |
| Titanium | ppm | 4 | --- | --- | --- |
| Silver | ppm | 0 | --- | --- | --- |
| Manganese | ppm | ● 7 | --- | --- | --- |
| Vanadium | ppm | <1 | --- | --- | --- |



ADDITIVES

| | | | | | |
|------------|-----|--------|-----|-----|-----|
| Calcium | ppm | 34 | --- | --- | --- |
| Magnesium | ppm | ● 6 | --- | --- | --- |
| Zinc | ppm | 41 | --- | --- | --- |
| Phosphorus | ppm | ● 1126 | --- | --- | --- |
| Barium | ppm | ● 0 | --- | --- | --- |
| Boron | ppm | ● 66 | --- | --- | --- |

Diagnosis

Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. The copper level is abnormal. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LEC0070
 Unique No: 10615842
 Signed: Sean Felton
 Report Date: 23 Aug 2023

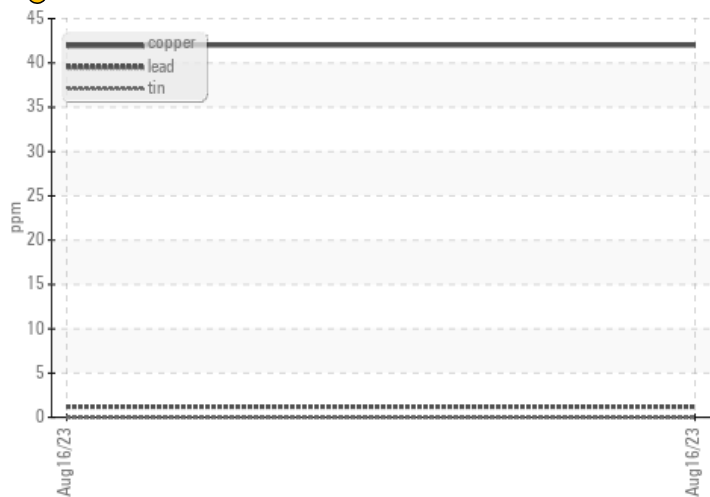


GRAPHS

● Ferrous Alloys



● Non-ferrous Metals



Viscosity @ 40°C

