

LIEBHERR

CONSTRUCTION EQUIPMENT



[Chattanooga TN] LIEBHERR LH30M GE Scrap (S/N 1253-148953) - Hydraulic

Sample No: LH0273819

Oil Type: AW HYDRAULIC OIL ISO 68



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Sample Information

| | | | | |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0273819 | --- | --- | --- |
| Sample Date | 21 May 2024 | --- | --- | --- |
| Machine Hours | 503 | --- | --- | --- |
| Oil Hours | 503 | --- | --- | --- |
| Oil Changed | Not Chngd | --- | --- | --- |
| Sample Status | ATTENTION | --- | --- | --- |



Oil Condition

| | | | | | |
|------------------|----------|------|-----|-----|-----|
| Visc @ 40°C | cSt | 43.4 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | 0.91 | --- | --- | --- |



Contamination

| | | | | | |
|-------------------|-----|----------|-----|-----|-----|
| Water | % | NEG | --- | --- | --- |
| Particles >4µm | | 6475 | --- | --- | --- |
| Particles >6µm | | 331 | --- | --- | --- |
| Particles >14µm | | 20 | --- | --- | --- |
| ISO 4406:1999 (c) | | 20/16/11 | --- | --- | --- |
| Silicon | ppm | 5 | --- | --- | --- |
| Sodium | ppm | 4 | --- | --- | --- |
| Potassium | ppm | 3 | --- | --- | --- |



Wear Metals

| | | | | | |
|------------|-----|----|-----|-----|-----|
| Iron | ppm | 11 | --- | --- | --- |
| Copper | ppm | 3 | --- | --- | --- |
| Lead | ppm | <1 | --- | --- | --- |
| Tin | ppm | 0 | --- | --- | --- |
| Aluminum | ppm | <1 | --- | --- | --- |
| Chromium | ppm | 0 | --- | --- | --- |
| Molybdenum | ppm | 2 | --- | --- | --- |
| Nickel | ppm | 0 | --- | --- | --- |
| Titanium | ppm | 0 | --- | --- | --- |
| Silver | ppm | <1 | --- | --- | --- |
| Manganese | ppm | <1 | --- | --- | --- |
| Vanadium | ppm | 0 | --- | --- | --- |



Additives

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Calcium | ppm | 1065 | --- | --- | --- |
| Magnesium | ppm | 10 | --- | --- | --- |
| Zinc | ppm | 570 | --- | --- | --- |
| Phosphorus | ppm | 504 | --- | --- | --- |
| Barium | ppm | <1 | --- | --- | --- |
| Boron | ppm | 3 | --- | --- | --- |

Diagnosis

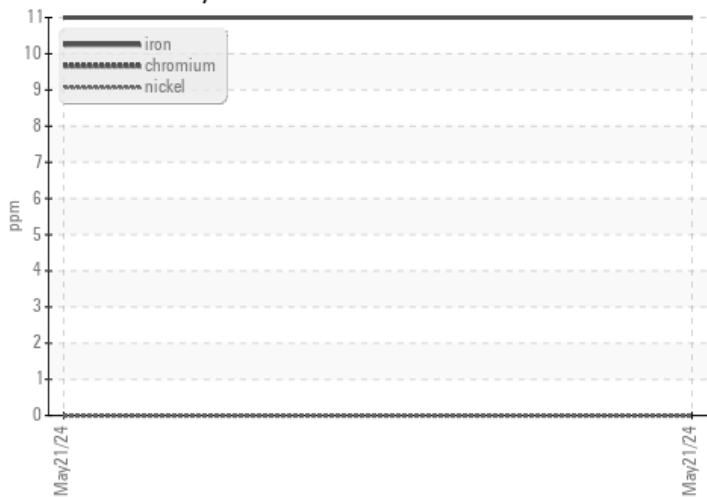
Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

Depot: RECOU
Unique No: 11045876
Signed: Don Baldrige
Report Date: 28 May 2024

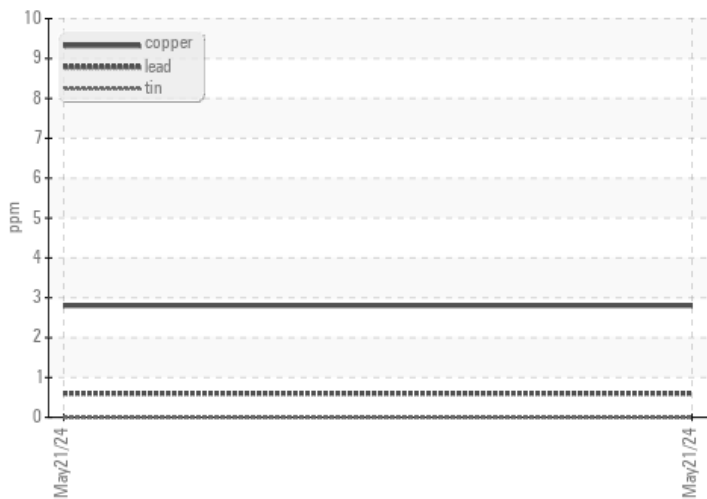


Graphs

Ferrous Alloys



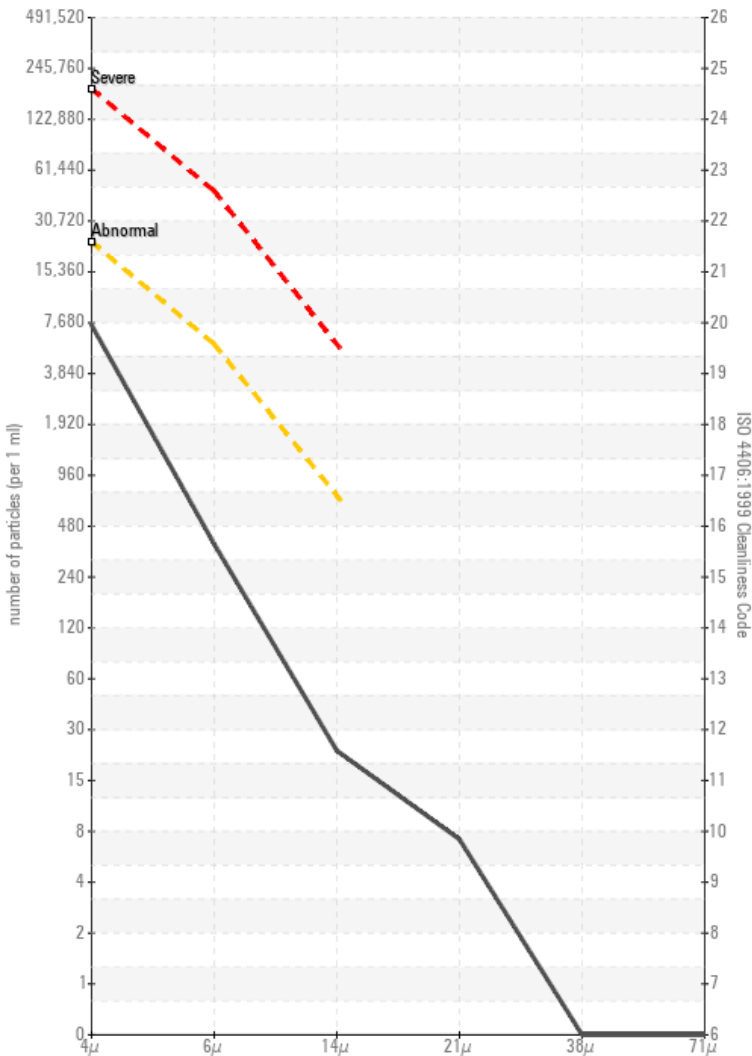
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

