

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR PR736LGP 018900-1155 - Hydraulic System

Sample No: LH0244416

Oil Type: {unknown}



#### Sample Information

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0244416   | --- | --- | --- |
| Sample Date   | 27 Mar 2024 | --- | --- | --- |
| Machine Hours | 2509        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | N/A         | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |

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#### Oil Condition

|                  |          |        |     |     |     |
|------------------|----------|--------|-----|-----|-----|
| Visc @ 40°C      | cSt      | ● 43.0 | --- | --- | --- |
| Acid Number (AN) | mg KOH/g | ● 1.12 | --- | --- | --- |



#### Contamination

|                   |     |          |     |     |     |
|-------------------|-----|----------|-----|-----|-----|
| Water             | %   | NEG      | --- | --- | --- |
| Particles >4µm    |     | ● 66448  | --- | --- | --- |
| Particles >6µm    |     | ● 8305   | --- | --- | --- |
| Particles >14µm   |     | ● 124    | --- | --- | --- |
| ISO 4406:1999 (c) |     | 23/20/14 | --- | --- | --- |
| Silicon           | ppm | ● 15     | --- | --- | --- |
| Sodium            | ppm | ● 18     | --- | --- | --- |
| Potassium         | ppm | ● <1     | --- | --- | --- |

#### Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



#### Wear Metals

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Iron       | ppm | ● 17 | --- | --- | --- |
| Copper     | ppm | ● 15 | --- | --- | --- |
| Lead       | ppm | ● <1 | --- | --- | --- |
| Tin        | ppm | ● 0  | --- | --- | --- |
| Aluminum   | ppm | ● 2  | --- | --- | --- |
| Chromium   | ppm | ● 0  | --- | --- | --- |
| Molybdenum | ppm | 1    | --- | --- | --- |
| Nickel     | ppm | ● 0  | --- | --- | --- |
| Titanium   | ppm | <1   | --- | --- | --- |
| Silver     | ppm | 0    | --- | --- | --- |
| Manganese  | ppm | <1   | --- | --- | --- |
| Vanadium   | ppm | 0    | --- | --- | --- |



#### Additives

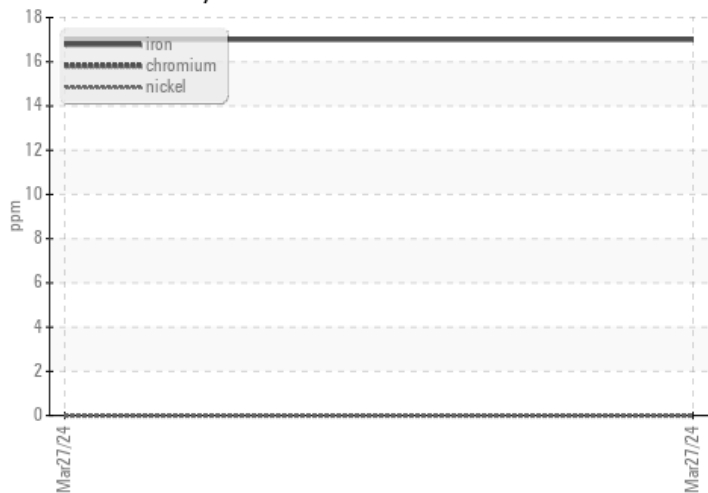
|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Calcium    | ppm | 1464 | --- | --- | --- |
| Magnesium  | ppm | 23   | --- | --- | --- |
| Zinc       | ppm | 628  | --- | --- | --- |
| Phosphorus | ppm | 551  | --- | --- | --- |
| Barium     | ppm | 0    | --- | --- | --- |
| Boron      | ppm | 12   | --- | --- | --- |

**Depot:** HEATHE  
**Unique No:** 11074527  
**Signed:** Wes Davis  
**Report Date:** 13 Jun 2024



### Graphs

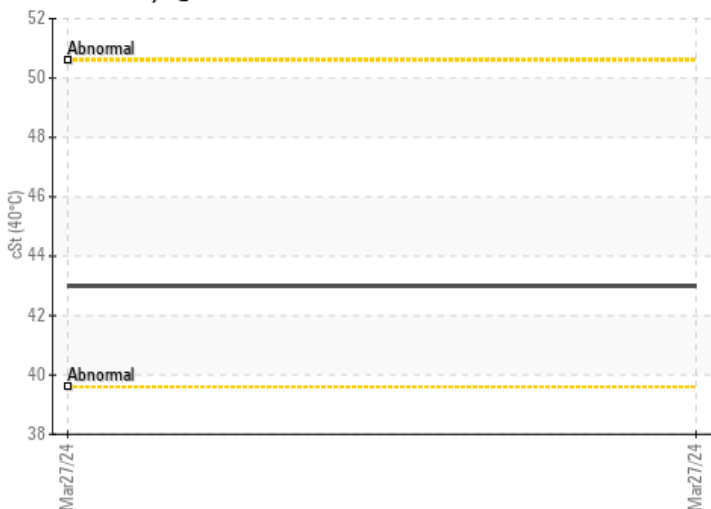
#### Ferrous Alloys



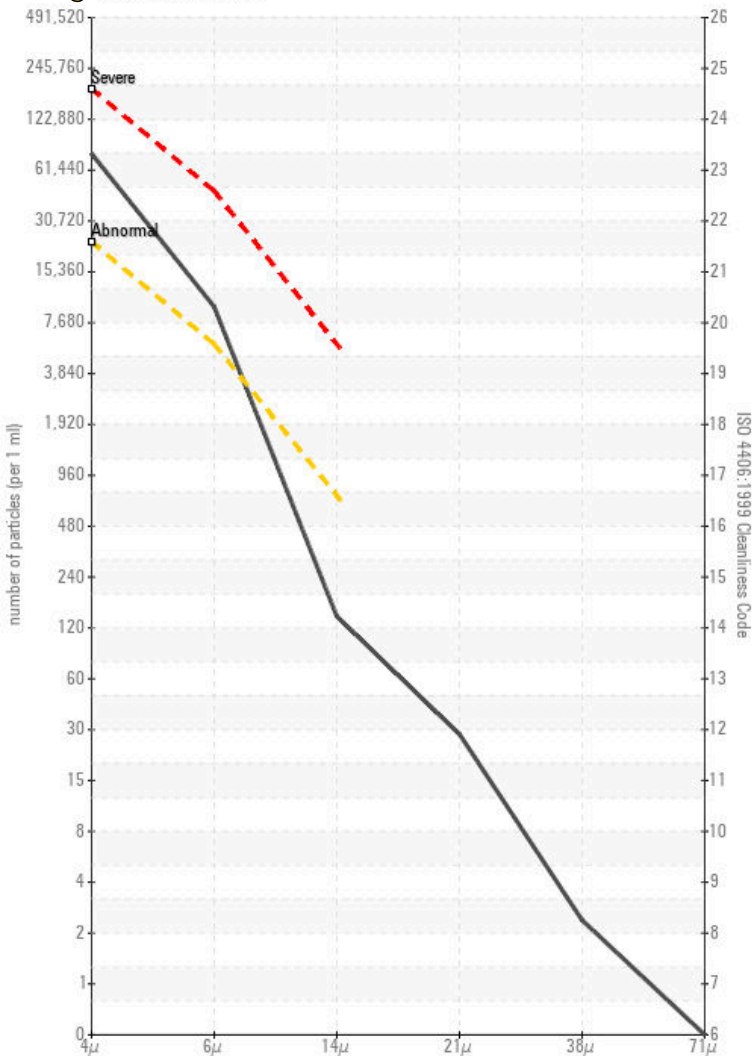
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

