

## LIEBHERR LH50M 132404-1216 - Transmission (Manual)

Sample No: LH0223400

**Oil Type:** SHELL ROTELLA T6 0W40

## **Sample Information**

| Sample Number | LH0223400   | LH          | LH0283326   |  |
|---------------|-------------|-------------|-------------|--|
| Sample Date   | 07 May 2024 | 26 Apr 2024 | 29 Mar 2024 |  |
| Machine Hours | 14071       | 13458       | 1174        |  |
| Oil Hours     | 0           | 0           | 0           |  |
| Oil Changed   | Changed     | Changed     | Changed     |  |
| Sample Status | NORMAL      | NORMAL      | NORMAL      |  |
|               |             |             |             |  |
| Oil Condition |             |             |             |  |
| Visc@40°C cSt | 51.6        | 48.5        | 0 79.5      |  |
|               |             |             |             |  |

| <b>Con</b> | taminati | ion |     |     |  |
|------------|----------|-----|-----|-----|--|
| Water      | %        | NEG | NEG | NEG |  |
| Silicon    | ppm      | 04  | 0 4 | 04  |  |
| Sodium     | ppm      | 0 2 | 2   | 2   |  |
| Potassium  | ppm      | 07  | 08  | 08  |  |

| Ä          |          |                  |      |      |  |
|------------|----------|------------------|------|------|--|
| Wea        | r Metals | <b>;</b>         |      |      |  |
| Iron       | ppm      | 22               | 24   | 2    |  |
| Copper     | ppm      | 0 17             | 0 18 | 6    |  |
| Lead       | ppm      | 0                | 0    | 0    |  |
| Tin        | ppm      | <mark></mark> <1 | ○ <1 | 0    |  |
| Aluminum   | ppm      | 01               | 01   | ◯ <1 |  |
| Chromium   | ppm      | 0 (              | 0    | 0    |  |
| Molybdenum | ppm      | 0 2              | 01   | 3    |  |
| Nickel     | ppm      | <mark></mark> <1 | 0    | 0    |  |
| Titanium   | ppm      | <1               | <1   | <1   |  |
| Silver     | ppm      | <u> </u>         | 0    | 0    |  |
| Manganese  | ppm      | 0 2              | 3    | 0    |  |
| Vanadium   | ppm      | 0                | 0    | 0    |  |

0

|            | ifives |        |        |        |  |
|------------|--------|--------|--------|--------|--|
| Calcium    | ppm    | 🔘 1959 | 2012   | 2026   |  |
| Magnesium  | ppm    | 09     | 0 12   | 24     |  |
| Zinc       | ppm    | 0 1079 | 0 1075 | 0 1100 |  |
| Phosphorus | ppm    | 0 1029 | 0 1054 | 941    |  |
| Barium     | ppm    | 0      | 0      | ◯ <1   |  |
| Boron      | ppm    | 0 42   | 0 48   | 37     |  |



**HUBERT & FILS** 

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## Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is lower than typical, possibly indicating the addition of lighter grade fluid. The condition of the fluid is acceptable for the time in service.

Depot: HUBBOI Unique No: 5814272 Signed: **Report Date:** 

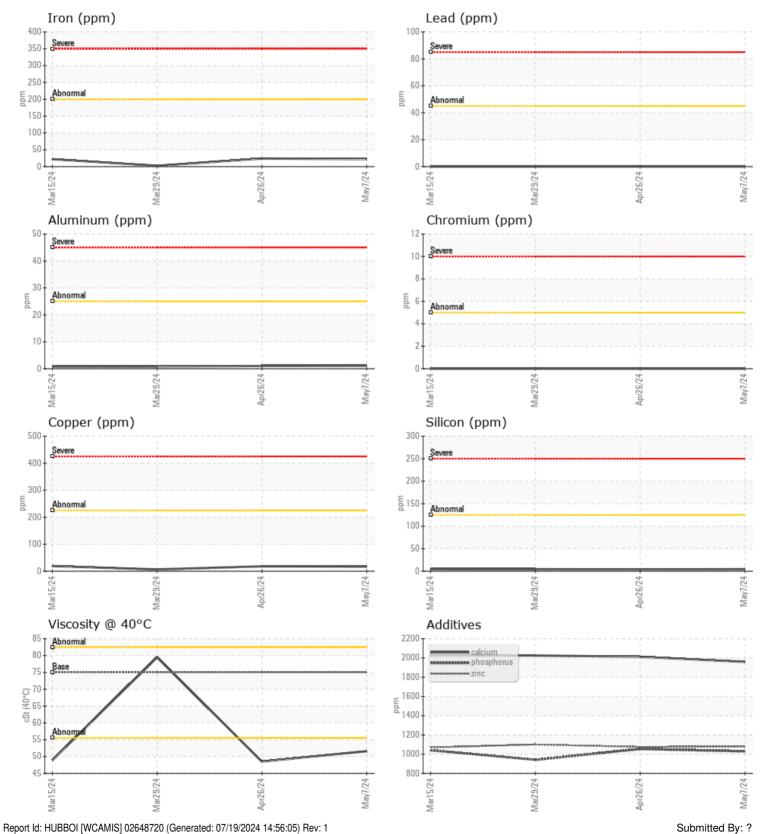
Kevin Marson 19 Jul 2024 Submitted By: ?





Graphs

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