

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L550 044342-1214 - Transmission (Manual)

Sample No: LH0241972

Oil Type: PETRO CANADA DURATRAN



#### SAMPLE INFORMATION

|               |             |             |             |             |
|---------------|-------------|-------------|-------------|-------------|
| Sample Number | LH0241972   | LH0240753   | LH0170574   | LH0144875   |
| Sample Date   | 31 Oct 2023 | 23 Feb 2023 | 04 May 2020 | 24 Jul 2019 |
| Machine Hours | 9534        | 8090        | 3010        | 2003        |
| Oil Hours     | 0           | 0           | 0           | 0           |
| Oil Changed   | Changed     | Changed     | Not Changd  | Changed     |
| Sample Status | NORMAL      | ABNORMAL    | ABNORMAL    | NORMAL      |

**Yard At A Time Concrete (1988) Ltd.**  
 8155-92nd Street  
 Delta, BC  
 CA V4G 0A4  
 Contact: Service Manager



#### OIL CONDITION

|             |     |      |      |      |      |
|-------------|-----|------|------|------|------|
| Visc @ 40°C | cSt | 37.7 | 37.8 | 37.1 | 38.4 |
|-------------|-----|------|------|------|------|

T:  
F:



#### CONTAMINATION

|           |     |   |    |   |   |
|-----------|-----|---|----|---|---|
| Silicon   | ppm | 8 | 7  | 7 | 7 |
| Sodium    | ppm | 1 | 2  | 5 | 7 |
| Potassium | ppm | 0 | <1 | 1 | 1 |

#### 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.



#### WEAR METALS

|            |     |    |    |    |    |
|------------|-----|----|----|----|----|
| Iron       | ppm | 9  | 12 | 6  | 6  |
| Copper     | ppm | <1 | <1 | 2  | 2  |
| Lead       | ppm | <1 | 0  | <1 | <1 |
| Tin        | ppm | 0  | 0  | 0  | 0  |
| Aluminum   | ppm | 2  | 2  | 1  | <1 |
| Chromium   | ppm | 0  | 0  | <1 | 0  |
| Molybdenum | ppm | 0  | <1 | <1 | <1 |
| Nickel     | ppm | <1 | 0  | <1 | 0  |
| Titanium   | ppm | 0  | <1 | <1 | 0  |
| Silver     | ppm | <1 | 0  | <1 | 0  |
| Manganese  | ppm | 0  | <1 | <1 | <1 |
| Vanadium   | ppm | 0  | 0  | 0  | 0  |



#### ADDITIVES

|            |     |      |      |      |      |
|------------|-----|------|------|------|------|
| Calcium    | ppm | 3629 | 3776 | 3498 | 3439 |
| Magnesium  | ppm | 12   | 15   | 19   | 16   |
| Zinc       | ppm | 1413 | 1398 | 1434 | 1433 |
| Phosphorus | ppm | 1145 | 1214 | 1173 | 1159 |
| Barium     | ppm | <1   | 0    | <1   | 0    |
| Boron      | ppm | 105  | 106  | 101  | 102  |

Depot: YARDEL  
 Unique No: 5671348  
 Signed: Kevin Marson  
 Report Date: 07 Nov 2023



### GRAPHS

