

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L566 054116-1484 - Transmission (Manual)

Sample No: LH0281152

Oil Type: PETRO CANADA DURATRAN



#### SAMPLE INFORMATION

|               |             |             |     |     |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0281152   | LH0135632   | --- | --- |
| Sample Date   | 04 Jan 2024 | 14 Dec 2021 | --- | --- |
| Machine Hours | 9598        | 5482        | --- | --- |
| Oil Hours     | 0           | 0           | --- | --- |
| Oil Changed   | Changed     | Changed     | --- | --- |
| Sample Status | ABNORMAL    | NORMAL      | --- | --- |

**Abbycel Substrate Ltd.**  
 3545 Ross Road  
 Abbotsford, BC  
 CA V4X 1M6  
 Contact: Service Manager



#### OIL CONDITION

|             |     |      |      |     |     |
|-------------|-----|------|------|-----|-----|
| Visc @ 40°C | cSt | 35.4 | 36.6 | --- | --- |
|-------------|-----|------|------|-----|-----|

T:  
F:



#### CONTAMINATION

|           |     |     |     |     |     |
|-----------|-----|-----|-----|-----|-----|
| Water     | %   | NEG | NEG | --- | --- |
| Silicon   | ppm | 8   | 8   | --- | --- |
| Sodium    | ppm | 3   | 9   | --- | --- |
| Potassium | ppm | 1   | 3   | --- | --- |

#### 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 | 34 | 50 | --- | --- |
| Copper     | ppm | 1  | 3  | --- | --- |
| Lead       | ppm | <1 | <1 | --- | --- |
| Tin        | ppm | 0  | 0  | --- | --- |
| Aluminum   | ppm | 2  | 1  | --- | --- |
| Chromium   | ppm | 0  | <1 | --- | --- |
| Molybdenum | ppm | 0  | <1 | --- | --- |
| Nickel     | ppm | <1 | <1 | --- | --- |
| Titanium   | ppm | 0  | 0  | --- | --- |
| Silver     | ppm | 0  | <1 | --- | --- |
| Manganese  | ppm | 0  | <1 | --- | --- |
| Vanadium   | ppm | 0  | 0  | --- | --- |



#### ADDITIVES

|            |     |      |      |     |     |
|------------|-----|------|------|-----|-----|
| Calcium    | ppm | 3267 | 3248 | --- | --- |
| Magnesium  | ppm | 10   | 11   | --- | --- |
| Zinc       | ppm | 1339 | 1366 | --- | --- |
| Phosphorus | ppm | 1108 | 1187 | --- | --- |
| Barium     | ppm | 0    | 0    | --- | --- |
| Boron      | ppm | 89   | 96   | --- | --- |

**Depot:** ABB354ABB  
**Unique No:** 5708978  
**Signed:** Kevin Marson  
**Report Date:** 11 Jan 2024



### GRAPHS

