

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 112348 - Front Right Wheel Hub

Sample No: LH0260545

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



**Rypac Aluminum Recycling**  
 11849 Tannery Road  
 Surrey, BC  
 CA V3V 3W8  
 Contact: Craig Merritt  
 rypac2@shaw.ca  
 T:  
 F:



#### SAMPLE INFORMATION

|               |             |     |     |     |
|---------------|-------------|-----|-----|-----|
| Sample Number | LH0260545   | --- | --- | --- |
| Sample Date   | 04 Jul 2023 | --- | --- | --- |
| Machine Hours | 4130        | --- | --- | --- |
| Oil Hours     | 0           | --- | --- | --- |
| Oil Changed   | Changed     | --- | --- | --- |
| Sample Status | ABNORMAL    | --- | --- | --- |



#### OIL CONDITION

|             |     |      |     |     |     |
|-------------|-----|------|-----|-----|-----|
| Visc @ 40°C | cSt | 56.9 | --- | --- | --- |
|-------------|-----|------|-----|-----|-----|



#### CONTAMINATION

|           |     |    |     |     |     |
|-----------|-----|----|-----|-----|-----|
| Silicon   | ppm | 4  | --- | --- | --- |
| Sodium    | ppm | 15 | --- | --- | --- |
| Potassium | ppm | 1  | --- | --- | --- |



#### WEAR METALS

|            |     |    |     |     |     |
|------------|-----|----|-----|-----|-----|
| Iron       | ppm | 21 | --- | --- | --- |
| Copper     | ppm | 28 | --- | --- | --- |
| Lead       | ppm | 17 | --- | --- | --- |
| Tin        | ppm | 0  | --- | --- | --- |
| Aluminum   | ppm | 1  | --- | --- | --- |
| Chromium   | ppm | <1 | --- | --- | --- |
| Molybdenum | ppm | 0  | --- | --- | --- |
| Nickel     | ppm | 0  | --- | --- | --- |
| Titanium   | ppm | 0  | --- | --- | --- |
| Silver     | ppm | 0  | --- | --- | --- |
| Manganese  | ppm | <1 | --- | --- | --- |
| Vanadium   | ppm | 0  | --- | --- | --- |



#### ADDITIVES

|            |     |      |     |     |     |
|------------|-----|------|-----|-----|-----|
| Calcium    | ppm | 3316 | --- | --- | --- |
| Magnesium  | ppm | 10   | --- | --- | --- |
| Zinc       | ppm | 1413 | --- | --- | --- |
| Phosphorus | ppm | 1195 | --- | --- | --- |
| Barium     | ppm | 1    | --- | --- | --- |
| Boron      | ppm | 94   | --- | --- | --- |

#### Diagnosis

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. Lead ppm levels are abnormal. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** RYPSUR  
**Unique No:** 5606848  
**Signed:** Kevin Marson  
**Report Date:** 14 Jul 2023



### GRAPHS

