

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH26M 124532-1252 - Front Differential

Sample No: LH0288064

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



**Amix Recycling**  
 11698 140 Street  
 Surrey, BC  
 CA V3R 2V4  
 Contact: Kenji Wong  
 kwong@amixgroup.ca  
 T:  
 F: (250)802-1002



#### Sample Information

| Sample Number | LH0288064   | LH0181015   | LH0181002   | LH0180989   |
|---------------|-------------|-------------|-------------|-------------|
| Sample Date   | 22 Apr 2024 | 08 Sep 2023 | 10 Jan 2023 | 04 Apr 2022 |
| Machine Hours | 5135        | 4078        | 3035        | 1978        |
| Oil Hours     | 0           | 0           | 0           | 0           |
| Oil Changed   | Changed     | Changed     | Changed     | Changed     |
| Sample Status | NORMAL      | NORMAL      | NORMAL      | NORMAL      |



#### Oil Condition

| Visc @ 40°C | cSt | 99.4 | 100 | 99.9 | 94.0 |
|-------------|-----|------|-----|------|------|
|             |     | ●    | ●   | ●    | ●    |



#### Contamination

| Water     | %   | NEG  | NEG  | NEG  | NEG  |
|-----------|-----|------|------|------|------|
| Silicon   | ppm | ● 0  | ● 1  | ● 1  | ● 1  |
| Sodium    | ppm | ● <1 | ● <1 | ● <1 | ● <1 |
| Potassium | ppm | ● <1 | ● 1  | ● <1 | ● <1 |



#### Wear Metals

|            |     |      |      |      |      |
|------------|-----|------|------|------|------|
| Iron       | ppm | ● 5  | ● 5  | ● 4  | ● 4  |
| Copper     | ppm | ● <1 | ● <1 | ● <1 | ● <1 |
| Lead       | ppm | ● 0  | ● <1 | ● 0  | ● <1 |
| Tin        | ppm | ● 0  | ● 0  | ● 0  | ● <1 |
| Aluminum   | ppm | ● 0  | ● <1 | ● 0  | ● <1 |
| Chromium   | ppm | ● 0  | ● 0  | ● 0  | ● 0  |
| Molybdenum | ppm | ● 0  | ● 0  | ● 0  | ● 0  |
| Nickel     | ppm | ● 0  | ● <1 | ● <1 | ● <1 |
| Titanium   | ppm | ● 0  | ● 0  | ● 0  | ● 0  |
| Silver     | ppm | ● 0  | ● 0  | ● 0  | ● <1 |
| Manganese  | ppm | ● <1 | ● <1 | ● <1 | ● <1 |
| Vanadium   | ppm | ● 0  | ● 0  | ● 0  | ● 0  |



#### Additives

|            |     |        |        |        |        |
|------------|-----|--------|--------|--------|--------|
| Calcium    | ppm | ● 37   | ● 35   | ● 32   | ● 58   |
| Magnesium  | ppm | ● 2    | ● 2    | ● 2    | ● 1    |
| Zinc       | ppm | ● 15   | ● 16   | ● 14   | ● 29   |
| Phosphorus | ppm | ● 1236 | ● 1277 | ● 1330 | ● 1245 |
| Barium     | ppm | ● 0    | ● 0    | ● 0    | ● 0    |
| Boron      | ppm | ● 311  | ● 302  | ● 321  | ● 307  |

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: AMI116SUR  
 Unique No: 5774045  
 Signed: Wes Davis  
 Report Date: 02 May 2024



### Graphs

