

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 142539-1253 - Rear Right Wheel Hub

Sample No: LH0284081

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



Goodies Trading Ltd.
8150 Aitken Road
Chilliwack, BC
CA V2R 4H5
Contact: Service Manager



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-----|
| Sample Number | LH0284081 | LH0260402 | LH0260655 | --- |
| Sample Date | 15 Feb 2024 | 17 Aug 2023 | 03 May 2023 | --- |
| Machine Hours | 0 | 1138 | 732 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | N/A | Changed | Changed | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |



OIL CONDITION

| | | | | | |
|-------------|-----|-----|------|------|-----|
| Visc @ 40°C | cSt | 104 | 99.4 | 66.3 | --- |
|-------------|-----|-----|------|------|-----|

T:
F:



CONTAMINATION

| | | | | | |
|-----------|-----|-----|-----|-----|-----|
| Water | % | NEG | NEG | NEG | --- |
| Silicon | ppm | 34 | 2 | 6 | --- |
| Sodium | ppm | 1 | 3 | 19 | --- |
| Potassium | ppm | <1 | <1 | <1 | --- |

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

| | | | | | |
|------------|-----|----|----|----|-----|
| Iron | ppm | 8 | 6 | 8 | --- |
| Copper | ppm | <1 | 3 | 4 | --- |
| Lead | ppm | <1 | 0 | 0 | --- |
| Tin | ppm | 0 | 0 | 0 | --- |
| Aluminum | ppm | <1 | <1 | 1 | --- |
| Chromium | ppm | 0 | 0 | <1 | --- |
| Molybdenum | ppm | 0 | 0 | 0 | --- |
| Nickel | ppm | 0 | 0 | 0 | --- |
| Titanium | ppm | 0 | 0 | <1 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | 0 | <1 | 2 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|-----|
| Calcium | ppm | 39 | 360 | 3757 | --- |
| Magnesium | ppm | 1 | 3 | 10 | --- |
| Zinc | ppm | 20 | 186 | 1455 | --- |
| Phosphorus | ppm | 1244 | 1269 | 1249 | --- |
| Barium | ppm | 0 | 0 | <1 | --- |
| Boron | ppm | 302 | 275 | 103 | --- |

Depot: GOOCHI
Unique No: 5733439
Signed: Wes Davis
Report Date: 16 Feb 2024



GRAPHS

