

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 146891-1217 - Front Left Wheel Hub

Sample No: LH0271814

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



RICHMOND STEEL RECYCLING
 11760 MITCHELL ROAD
 RICHMOND, BC
 CA V6V 1V8
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Sample Information

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0271814 | LH0281176 | --- | --- |
| Sample Date | 24 May 2024 | 22 Dec 2023 | --- | --- |
| Machine Hours | 1000 | 519 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | Changed | Changed | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |



Oil Condition

| | | | | | |
|-------------|-----|-------|-------|-----|-----|
| Visc @ 40°C | cSt | ● 115 | ● 141 | --- | --- |
|-------------|-----|-------|-------|-----|-----|



Contamination

| | | | | | |
|-----------|-----|------|-----|-----|-----|
| Water | % | NEG | NEG | --- | --- |
| Silicon | ppm | ● 2 | ● 2 | --- | --- |
| Sodium | ppm | ● 3 | ● 5 | --- | --- |
| Potassium | ppm | ● <1 | ● 2 | --- | --- |



Wear Metals

| | | | | | |
|------------|-----|------|------|-----|-----|
| Iron | ppm | ● 68 | ● 67 | --- | --- |
| Copper | ppm | ● 10 | ● 6 | --- | --- |
| Lead | ppm | ● 0 | ● <1 | --- | --- |
| Tin | ppm | ● 0 | ● 0 | --- | --- |
| Aluminum | ppm | ● <1 | ● 1 | --- | --- |
| Chromium | ppm | ● <1 | ● <1 | --- | --- |
| Molybdenum | ppm | ● 0 | ● 0 | --- | --- |
| Nickel | ppm | ● <1 | ● <1 | --- | --- |
| Titanium | ppm | ● 0 | ● 0 | --- | --- |
| Silver | ppm | <1 | 0 | --- | --- |
| Manganese | ppm | ● 2 | ● 2 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



Additives

| | | | | | |
|------------|-----|--------|--------|-----|-----|
| Calcium | ppm | ● 12 | ● 14 | --- | --- |
| Magnesium | ppm | ● 1 | ● 2 | --- | --- |
| Zinc | ppm | ● 19 | ● 22 | --- | --- |
| Phosphorus | ppm | ● 1396 | ● 1666 | --- | --- |
| Barium | ppm | ● 6 | ● 15 | --- | --- |
| Boron | ppm | ● 235 | ● 119 | --- | --- |

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: RIC117RIC
 Unique No: 5799942
 Signed: Wes Davis
 Report Date: 18 Jun 2024



Graphs

