

LIEBHERR

CONSTRUCTION EQUIPMENT



[[575873]] LIEBHERR HS8100 184908 - Right Slewing Gearbox

Sample No: LH0277705

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Tillsonburg Ready-Mix Inc.
 10 Elm Street
 Tillsonburg, ON
 CA N4G 0A7
 Contact: Service Manager



Sample Information

| | | | | |
|---------------|-------------|-------------|-----|-----|
| Sample Number | LH0277705 | LH0230700 | --- | --- |
| Sample Date | 12 Oct 2023 | 24 Jul 2022 | --- | --- |
| Machine Hours | 12289 | 16063 | --- | --- |
| Oil Hours | 0 | 0 | --- | --- |
| Oil Changed | N/A | N/A | --- | --- |
| Sample Status | NORMAL | NORMAL | --- | --- |



Oil Condition

| | | | | | |
|-------------|-----|------|------|-----|-----|
| Visc @ 40°C | cSt | 99.1 | 90.4 | --- | --- |
|-------------|-----|------|------|-----|-----|

T:
F:



Contamination

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

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.



Wear Metals

| | | | | | |
|------------|-----|----|----|-----|-----|
| Iron | ppm | 65 | 74 | --- | --- |
| Copper | ppm | <1 | <1 | --- | --- |
| Lead | ppm | <1 | <1 | --- | --- |
| Tin | ppm | 0 | 0 | --- | --- |
| Aluminum | ppm | 0 | 0 | --- | --- |
| Chromium | ppm | <1 | <1 | --- | --- |
| Molybdenum | ppm | <1 | 1 | --- | --- |
| Nickel | ppm | <1 | <1 | --- | --- |
| Titanium | ppm | 0 | 0 | --- | --- |
| Silver | ppm | <1 | 1 | --- | --- |
| Manganese | ppm | 0 | <1 | --- | --- |
| Vanadium | ppm | 0 | 0 | --- | --- |



Additives

| | | | | | |
|------------|-----|-----|------|-----|-----|
| Calcium | ppm | 7 | 9 | --- | --- |
| Magnesium | ppm | 3 | 3 | --- | --- |
| Zinc | ppm | 11 | 9 | --- | --- |
| Phosphorus | ppm | 876 | 1235 | --- | --- |
| Barium | ppm | <1 | 0 | --- | --- |
| Boron | ppm | 134 | 315 | --- | --- |

Depot: TIL10TIL
 Unique No: 5658781
 Signed: Wes Davis
 Report Date: 17 Oct 2023



Graphs

