## **CONSTRUCTION EQUIPMENT**

## LIEBHERR R945 055435-1866 - Left Final Drive

PETRO CANADA TRAXON 75W90 SYNTHETIC

Sample No: LH0252143

Oil Type:

## SAMPLE INFORMATION

| Sample Number        | LH0252143   | LH0256977   | <br> |
|----------------------|-------------|-------------|------|
| Sample Date          | 27 Nov 2023 | 27 Mar 2023 | <br> |
| Machine Hours        | 2001        | 1015        | <br> |
| Oil Hours            | 0           | 0           | <br> |
| Oil Changed          | Changed     | Changed     | <br> |
| Sample Status        | NORMAL      | NORMAL      | <br> |
|                      |             |             |      |
| <b>OIL CONDITION</b> |             |             |      |
| Visc@40°C cSt        | 0 97.9      | 0 106       | <br> |
| - <b>11</b>          |             |             |      |

| Water     | %   | NEG | NEG |  |  |
|-----------|-----|-----|-----|--|--|
| Silicon   | ppm | 08  | 0 4 |  |  |
| Sodium    | ppm | 03  | 01  |  |  |
| Potassium | maa | 0 2 | 01  |  |  |

| WEA        | R META | LS               |      |      |
|------------|--------|------------------|------|------|
|            |        |                  |      |      |
| Iron       | ppm    | 0 37             | 20   | <br> |
| Copper     | ppm    | <mark></mark> <1 | ○ <1 | <br> |
| Lead       | ppm    | <b>○</b> <1      | ◯ <1 | <br> |
| Tin        | ppm    | 0 (              | 0    | <br> |
| Aluminum   | ppm    | 0 2              | ◯ <1 | <br> |
| Chromium   | ppm    | <b>○</b> <1      | ○ <1 | <br> |
| Molybdenum | ppm    | 0 (              | 0    | <br> |
| Nickel     | ppm    | <mark></mark> <1 | <1   | <br> |
| Titanium   | ppm    | 0                | 0    | <br> |
| Silver     | ppm    | <1               | 0    | <br> |
| Manganese  | ppm    | 0                | ◯ <1 | <br> |
| Vanadium   | ppm    | 0                | 0    | <br> |

|            | ITIVES |        |        |      |
|------------|--------|--------|--------|------|
| Calcium    | ppm    | 08     | 0 10   | <br> |
| Magnesium  | ppm    | 01     | 01     | <br> |
| Zinc       | ppm    | 0 11   | 0 10   | <br> |
| Phosphorus | ppm    | 0 1268 | 0 1318 | <br> |
| Barium     | ppm    | 01     | ◯ <1   | <br> |
| Boron      | ppm    | 0 293  | 268    | <br> |





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## 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:CLOPEMUnique No:5684976Signed:Wes DavisReport Date:30 Nov 20

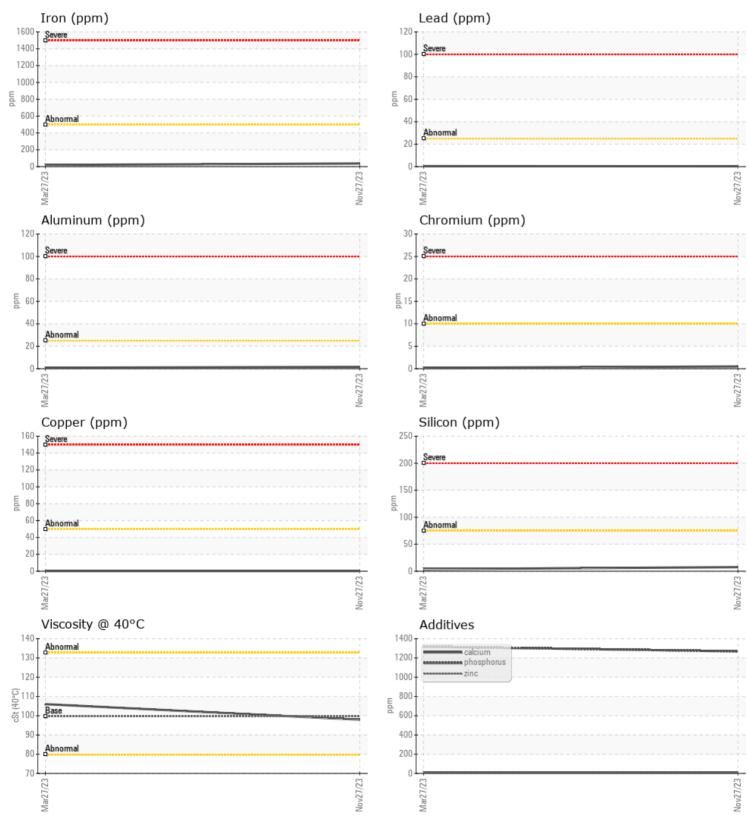
5684976 Wes Davis 30 Nov 2023





GRAPHS

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