

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR 055435-1866 - Splitter Box

Sample No: LH0252146

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

| Sample Number | LH0252146 | LH0252139 | LH0252132 | LH0256975 |
|---------------|-------------|-------------|-------------|-------------|
| Sample Date | 03 May 2024 | 27 Nov 2023 | 31 Jul 2023 | 27 Mar 2023 |
| Machine Hours | 2537 | 2001 | 1467 | 1015 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

CLOUTHIER VENTURES LTD.
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 CA K8A 0A6
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Oil Condition

| Visc @ 40°C | cSt | 163 | 149 | 120 | 185 |
|-------------|-----|-----|-----|-----|-----|
| | | | | | |



Contamination

| Water | % | NEG | NEG | NEG | NEG |
|-----------|-----|-----|-----|-----|-----|
| Silicon | ppm | 2 | 4 | 1 | 2 |
| Sodium | ppm | 1 | 2 | 2 | 2 |
| Potassium | ppm | <1 | <1 | 1 | 2 |



Wear Metals

| | | | | | |
|------------|-----|----|----|----|----|
| Iron | ppm | 17 | 24 | 19 | 30 |
| Copper | ppm | <1 | <1 | <1 | <1 |
| Lead | ppm | 0 | <1 | 0 | <1 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | <1 | 1 | <1 | <1 |
| Chromium | ppm | 0 | 0 | 0 | <1 |
| Molybdenum | ppm | 0 | 0 | 0 | 0 |
| Nickel | ppm | 0 | <1 | <1 | 0 |
| Titanium | ppm | 0 | 0 | 0 | <1 |
| Silver | ppm | 0 | <1 | 0 | 0 |
| Manganese | ppm | 0 | 0 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



Additives

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 8 | 9 | 8 | 11 |
| Magnesium | ppm | 1 | <1 | 1 | 2 |
| Zinc | ppm | 9 | 12 | 17 | 15 |
| Phosphorus | ppm | 2023 | 1935 | 1454 | 1665 |
| Barium | ppm | 0 | <1 | 0 | 0 |
| Boron | ppm | 55 | 75 | 197 | 15 |

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.

Depot: CLOPEM
 Unique No: 5775080
 Signed: Wes Davis
 Report Date: 07 May 2024



Graphs

