

LIEBHERR

CONSTRUCTION EQUIPMENT



056255-1007 - Splitter Box

Sample No: LH0270057

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

| | | | | |
|---------------|--------------------|-------------|-------------|-------------|
| Sample Number | LH0270057 | LH0235492 | LH0133031 | LH0057811 |
| Sample Date | 14 Jul 2023 | 27 Jun 2022 | 24 Oct 2018 | 10 Feb 2012 |
| Machine Hours | 16930 | 0 | 14295 | 220 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | ABNORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|------------|-----|------|-----|
| Visc @ 40°C | cSt | 103 | 132 | 55.2 | 157 |
|-------------|-----|------------|-----|------|-----|



CONTAMINATION

| | | | | | |
|-----------|-----|--------------|---|----|---|
| Silicon | ppm | 3 | 3 | 3 | 3 |
| Sodium | ppm | 3 | 3 | <1 | 2 |
| Potassium | ppm | <1 | 0 | 1 | 3 |



WEAR METALS

| | | | | | |
|------------|-----|--------------|----|----|----|
| Iron | ppm | 18 | 33 | 46 | 36 |
| Copper | ppm | <1 | 6 | 3 | <1 |
| Lead | ppm | 0 | <1 | <1 | <1 |
| Tin | ppm | 0 | <1 | 0 | 0 |
| Aluminum | ppm | <1 | <1 | 2 | 3 |
| Chromium | ppm | <1 | <1 | <1 | <1 |
| Molybdenum | ppm | <1 | 0 | <1 | 0 |
| Nickel | ppm | <1 | 0 | <1 | 0 |
| Titanium | ppm | <1 | <1 | 0 | <1 |
| Silver | ppm | <1 | 0 | 0 | 0 |
| Manganese | ppm | <1 | 1 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|--------------|------|-----|------|
| Calcium | ppm | 36 | 21 | 55 | 24 |
| Magnesium | ppm | 5 | 4 | 37 | 1 |
| Zinc | ppm | 102 | 60 | 334 | 19 |
| Phosphorus | ppm | 1479 | 1737 | 434 | 1334 |
| Barium | ppm | <1 | <1 | <1 | 8 |
| Boron | ppm | 145 | 18 | 10 | 120 |

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: AMEMON
Unique No: 5616542
Signed: Wes Davis
Report Date: 21 Jul 2023



GRAPHS

