

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60C 106512-1528 - Splitter Box

Sample No: LH0265771

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-------------|
| Sample Number | LH0265771 | LH | LH0234438 | LH0250042 |
| Sample Date | 28 Sep 2023 | 23 Aug 2023 | 12 Jun 2023 | 28 May 2023 |
| Machine Hours | 20758 | 0 | 19187 | 18758 |
| Oil Hours | 0 | 0 | 0 | 0 |
| Oil Changed | Changed | Changed | Changed | Changed |
| Sample Status | NORMAL | NORMAL | NORMAL | NORMAL |

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OIL CONDITION

| | | | | | |
|-------------|-----|-----|-----|------|------|
| Visc @ 40°C | cSt | 163 | 128 | 90.2 | 94.1 |
|-------------|-----|-----|-----|------|------|



CONTAMINATION

| | | | | | |
|-----------|-----|----|----|---|----|
| Silicon | ppm | 4 | 4 | 2 | 3 |
| Sodium | ppm | 1 | 1 | 2 | 2 |
| Potassium | ppm | <1 | <1 | 2 | <1 |



WEAR METALS

| | | | | | |
|------------|-----|----|----|----|----|
| Iron | ppm | 13 | 22 | 15 | 14 |
| Copper | ppm | <1 | <1 | <1 | <1 |
| Lead | ppm | 0 | 0 | <1 | <1 |
| Tin | ppm | 0 | 0 | 0 | 0 |
| Aluminum | ppm | <1 | 1 | <1 | <1 |
| Chromium | ppm | 0 | <1 | <1 | 0 |
| Molybdenum | ppm | 0 | 0 | 0 | 0 |
| Nickel | ppm | <1 | <1 | 0 | <1 |
| Titanium | ppm | 0 | <1 | 0 | 0 |
| Silver | ppm | <1 | 0 | 0 | <1 |
| Manganese | ppm | 0 | <1 | <1 | <1 |
| Vanadium | ppm | 0 | 0 | 0 | 0 |



ADDITIVES

| | | | | | |
|------------|-----|------|------|------|------|
| Calcium | ppm | 17 | 28 | 34 | 32 |
| Magnesium | ppm | 2 | 4 | 2 | 2 |
| Zinc | ppm | 60 | 125 | 259 | 230 |
| Phosphorus | ppm | 2122 | 1859 | 1065 | 1108 |
| Barium | ppm | <1 | 0 | 0 | 0 |
| Boron | ppm | 18 | 31 | 101 | 107 |

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: MANSEL
 Unique No: 5669267
 Signed: Wes Davis
 Report Date: 26 Oct 2023



GRAPHS

