

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS855HD 184606 - Splitter Box

Sample No: LH0270247

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



SAMPLE INFORMATION

| | | | | |
|---------------|-------------|-------------|-------------|-----|
| Sample Number | LH0270247 | LH0261729 | LH0234991 | --- |
| Sample Date | 15 Sep 2023 | 10 May 2023 | 21 Jul 2022 | --- |
| Machine Hours | 35581 | 35165 | 33804 | --- |
| Oil Hours | 0 | 0 | 0 | --- |
| Oil Changed | Changed | Changed | N/A | --- |
| Sample Status | NORMAL | NORMAL | NORMAL | --- |

HIGGS & HIGGS

RR # 4

ST THOMAS, ON

CA N5P 3S8

Contact: Bernie Higgs



OIL CONDITION

| | | | | | |
|-------------|-----|------|------|------|-----|
| Visc @ 40°C | cSt | 74.0 | 55.1 | 70.0 | --- |
|-------------|-----|------|------|------|-----|

T: (519)631-4095

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CONTAMINATION

| | | | | | |
|-----------|-----|----|----|----|-----|
| Silicon | ppm | 3 | 5 | 4 | --- |
| Sodium | ppm | <1 | <1 | <1 | --- |
| Potassium | ppm | <1 | <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 | 60 | 79 | 42 | --- |
| Copper | ppm | 3 | 4 | 3 | --- |
| Lead | ppm | <1 | <1 | <1 | --- |
| Tin | ppm | 0 | <1 | <1 | --- |
| Aluminum | ppm | <1 | 1 | <1 | --- |
| Chromium | ppm | <1 | <1 | <1 | --- |
| Molybdenum | ppm | <1 | <1 | 0 | --- |
| Nickel | ppm | <1 | <1 | <1 | --- |
| Titanium | ppm | 0 | 0 | 0 | --- |
| Silver | ppm | 0 | 0 | 0 | --- |
| Manganese | ppm | <1 | <1 | <1 | --- |
| Vanadium | ppm | 0 | 0 | 0 | --- |



ADDITIVES

| | | | | | |
|------------|-----|------|-----|-----|-----|
| Calcium | ppm | 40 | 61 | 38 | --- |
| Magnesium | ppm | 7 | 7 | 3 | --- |
| Zinc | ppm | 142 | 236 | 153 | --- |
| Phosphorus | ppm | 1095 | 897 | 947 | --- |
| Barium | ppm | 0 | <1 | 0 | --- |
| Boron | ppm | 218 | 145 | 207 | --- |

Depot: HIGSTT

Unique No: 5644729

Signed: Wes Davis

Report Date: 19 Sep 2023



GRAPHS

