CONSTRUCTION EQUIPMENT

LIEBHERR HS8100.1186046 - Splitter Box

PETRO CANADA TRAXON 75W90 SYNTHETIC

Sample No: LH0277544

Oil Type:

| SAMPLEINFORMATION | | | | |
|-------------------|-----------|-----------|--|--|
| Number | LH0277544 | LH0242581 | | |

| Sample Number | LHU2//544 |
|---------------|-------------|
| Sample Date | 04 Jan 2024 |
| Machine Hours | 3905 |
| Oil Hours | 0 |
| Oil Changed | Changed |
| Sample Status | ABNORMAL |
| | |

| ۲ | OIL | CONDITION |
|--------|------|-----------|
| Visc @ | 40°C | cSt |

| UU | | | |
|----|-----|-------------|-------|
| | cSt | 67.3 | 0 106 |
| | | | |
| | | | |

| Water | % | NEG | NEG | NEG | | |
|-----------|-----|-------------|------|-----|--|--|
| Silicon | ppm | 01 | 0 1 | 01 | | |
| Sodium | ppm | 01 | 0 4 | 9 | | |
| Potassium | ppm | ○ <1 | ○ <1 | 0 | | |

14 Oct 2022

Changed NORMAL

1056

0

LH0239496

05 Aug 2022

Changed

ABNORMAL

530

0

0 188

| Ä | | | | | |
|------------|----------|-------------|------|------|--|
| WEA | R METALS | | | | |
| Iron | ppm | 0 17 | 23 | 0 43 | |
| Copper | ppm | 02 | ○ 5 | 9 | |
| Lead | ppm | ○ <1 | ○ <1 | ○ <1 | |
| Tin | ppm | 0 | 0 | 0 | |
| Aluminum | ppm | ○ <1 | ○ <1 | ○ <1 | |
| Chromium | ppm | 0 | 0 | ○ <1 | |
| Molybdenum | ppm | 0 | 0 | 0 | |
| Nickel | ppm | ○ <1 | 0 | ◯ <1 | |
| Titanium | ppm | 0 | 0 | 0 | |
| Silver | ppm | 0 | 0 | <1 | |
| Manganese | ppm | 0 | 02 | 3 | |
| Vanadium | ppm | 0 | 0 | 0 | |

Q

| Calcium | ppm | 0 297 | 87 | ○ 73 | |
|------------|-----|-------|--------|------|--|
| Magnesium | ppm | 0 2 | 2 | 01 | |
| Zinc | ppm | 0 254 | 94 | 121 | |
| Phosphorus | ppm | 938 | 0 1255 | 1111 | |
| Barium | ppm | 0 🔘 | 0 | 0 | |
| Boron | ppm | 0 159 | 0 198 | 2 | |





HIGGS & HIGGS RR # 4 ST THOMAS, ON CA N5P 3S8 Contact: Bernie Higgs

T: (519)631-4095 F: (519)631-2745

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. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

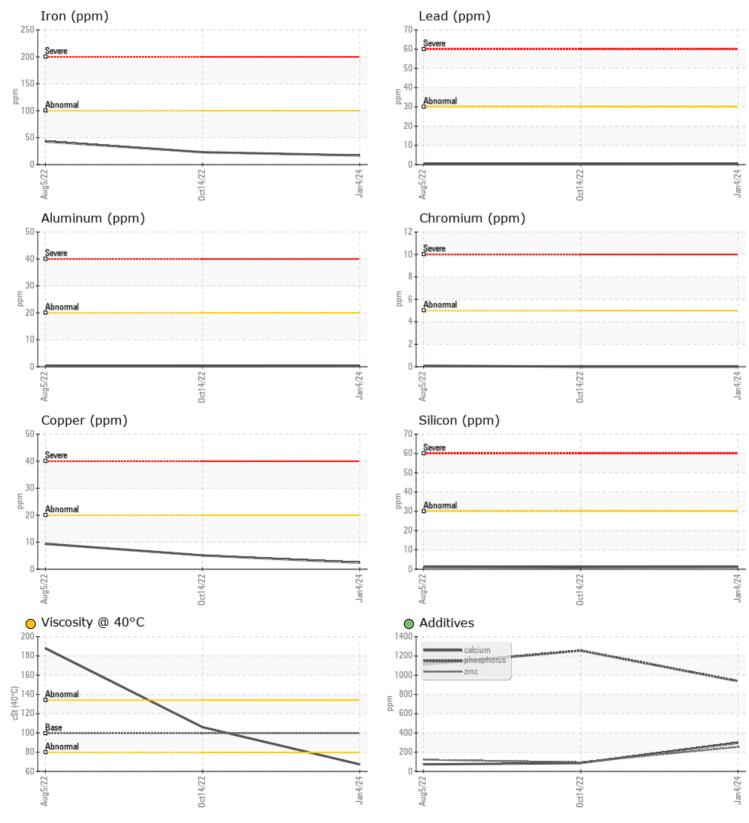
| Depot: | HIGSTT |
|--------------|--------------|
| Unique No: | 5720987 |
| Signed: | Bill Quesnel |
| Report Date: | 30 Jan 2024 |





GRAPHS

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Report Id: HIGSTT [WCAMIS] 02611892 (Generated: 01/30/2024 17:06:04) Rev: 1

Contact/Location: Bernie Higgs - HIGSTT