

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR HS8100.1186046 - Splitter Box

Sample No: LH0277544

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0277544	LH0242581	LH0239496	---
Sample Date	04 Jan 2024	14 Oct 2022	05 Aug 2022	---
Machine Hours	3905	1056	530	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	ABNORMAL	---

HIGGS & HIGGS

RR # 4

ST THOMAS, ON

CA N5P 3S8

Contact: Bernie Higgs



#### OIL CONDITION

Visc @ 40°C	cSt	67.3	106	188	---
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T: (519)631-4095

F: (519)631-2745



#### CONTAMINATION

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

#### 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.



#### WEAR METALS

Iron	ppm	17	23	43	---
Copper	ppm	2	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	2	3	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	297	87	73	---
Magnesium	ppm	2	2	1	---
Zinc	ppm	254	94	121	---
Phosphorus	ppm	938	1255	1111	---
Barium	ppm	0	0	0	---
Boron	ppm	159	198	2	---

Depot: HIGSTT

Unique No: 5720987

Signed: Bill Quesnel

Report Date: 30 Jan 2024



### GRAPHS

