

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [[579372]] LIEBHERR HS895HD 188227 - Boom Winch

Sample No: LH0274765

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### SAMPLE INFORMATION

Sample Number	LH0274765	LH0261279	LH0247391	---
Sample Date	13 Oct 2023	04 May 2023	29 Nov 2022	---
Machine Hours	25204	24070	23243	---
Oil Hours	0	0	0	---
Oil Changed	N/A	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	103	102	100	---
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T: (519)631-4095

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#### CONTAMINATION

Water	%	0.310	NEG	0.258	---
Silicon	ppm	3	2	4	---
Sodium	ppm	2	1	3	---
Potassium	ppm	<1	<1	1	---

#### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.



#### WEAR METALS

Iron	ppm	42	34	98	---
Copper	ppm	4	3	4	---
Lead	ppm	<1	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	0	<1	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	0	<1	1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	9	7	6	---
Magnesium	ppm	3	3	3	---
Zinc	ppm	53	47	80	---
Phosphorus	ppm	1178	1333	1277	---
Barium	ppm	<1	0	0	---
Boron	ppm	198	257	169	---

Depot: HIGSTT

Unique No: 5658808

Signed: Kevin Marson

Report Date: 19 Oct 2023



### GRAPHS

