

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR HS895 188297 - Luffing Winch

Sample No: LH0295144

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### Sample Information

Sample Number	LH0295144	LH0260279	---	---
Sample Date	18 Jun 2024	02 May 2023	---	---
Machine Hours	16385	13473	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	N/A	---	---
Sample Status	ABNORMAL	NORMAL	---	---

#### Harbour Development

380 Bayside Dr  
 St John, NB  
 CA E2J 4Y8  
 Contact: Darien Edison  
 edison.darien@harbourdev.com  
 T:  
 F:



#### Oil Condition

Visc @ 40°C	cSt	● 105	● 97.1	---	---
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#### Contamination

Water	%	● 0.798	NEG	---	---
Silicon	ppm	● <1	● 2	---	---
Sodium	ppm	● 2	● <1	---	---
Potassium	ppm	● 4	● 0	---	---



#### Wear Metals

Iron	ppm	● 10	● 8	---	---
Copper	ppm	● 1	● 1	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 0	● 0	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● <1	● 0	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	● 7	● 9	---	---
Magnesium	ppm	● 2	● 2	---	---
Zinc	ppm	● 32	● 19	---	---
Phosphorus	ppm	● 1144	● 1387	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 182	● 312	---	---

#### 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.

Depot: HAR380STJ  
 Unique No: 5801749  
 Signed: Kevin Marson  
 Report Date: 27 Jun 2024



### Graphs

