

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR HS895HD 188297 - Front Winch

Sample No: LH0180388

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



**Harbor Development Inc**  
 300 Union Street, Po Box 57777  
 Saint John, NB  
 CA E2L 5B6  
 Contact: Service Manager



#### Sample Information

Sample Number	LH0180388	---	---	---
Sample Date	21 Sep 2020	---	---	---
Machine Hours	3682	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### Oil Condition

Visc @ 40°C	cSt	● 94.7	---	---	---
-------------	-----	--------	-----	-----	-----

T:  
F:



#### Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 1	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● <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	● 4	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	● 7	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 5	---	---	---
Phosphorus	ppm	● 1250	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 317	---	---	---

**Depot:** HAR300SAI  
**Unique No:** 5108907  
**Signed:** Wes Davis  
**Report Date:** 23 Sep 2020



### Graphs

