

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS895HD 188297 - Boom Winch

Sample No: LH0180390

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	LH0180390	LH0151243	LH0137570	---
Sample Date	21 Sep 2020	20 Sep 2019	16 Aug 2019	---
Machine Hours	3682	974	472	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	SEVERE	ABNORMAL	---



Oil Condition

Visc @ 40°C	cSt	97.3	99.1	129	---
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Contamination

Water	%	NEG	NEG	0.565	---
Silicon	ppm	2	4	3	---
Sodium	ppm	0	0	<1	---
Potassium	ppm	<1	<1	<1	---



Wear Metals

Iron	ppm	4	39	21	---
Copper	ppm	<1	<1	1	---
Lead	ppm	0	1	<1	---
Tin	ppm	0	<1	0	---
Aluminum	ppm	0	<1	<1	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	<1	<1	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	<1	---



Additives

Calcium	ppm	17	32	107	---
Magnesium	ppm	9	2	3	---
Zinc	ppm	22	70	73	---
Phosphorus	ppm	1236	1228	926	---
Barium	ppm	<1	<1	2	---
Boron	ppm	305	204	87	---

T:
F:

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.

Depot: HAR300SAI
Unique No: 5108906
Signed: Wes Davis
Report Date: 23 Sep 2020



Graphs

