

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS895HD 188297 - Right Swing Drive

Sample No: LH0277004

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



Sample Information

Sample Number	LH0277004	LH0180386	LH0168271	LH0151242
Sample Date	01 Nov 2023	21 Sep 2020	26 Feb 2020	20 Sep 2019
Machine Hours	15287	3682	2035	974
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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



Oil Condition

Visc @ 40°C	cSt	104	93.8	95.6	97.5
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T:
F:



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	1	2	1
Sodium	ppm	1	0	0	0
Potassium	ppm	<1	<1	<1	<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	8	3	14	12
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	10	6	5	8
Magnesium	ppm	<1	<1	<1	1
Zinc	ppm	7	5	5	6
Phosphorus	ppm	1164	1275	1346	1274
Barium	ppm	<1	<1	0	<1
Boron	ppm	308	326	336	302

Depot: HAR300SAI
Unique No: 5672501
Signed: Wes Davis
Report Date: 09 Nov 2023



Graphs

