

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS895HD 188297 - Splitter Box

Sample No: LH0277006

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



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



Sample Information

Sample Number	LH0277006	LH0183397	LH0183539	LH0180387
Sample Date	01 Nov 2023	29 Jan 2021	20 Nov 2020	21 Sep 2020
Machine Hours	15287	5501	4454	0
Oil Hours	0	0	0	0
Oil Changed	N/A	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



Oil Condition

Visc @ 40°C	cSt	63.1	69.2	70.7	81.3
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Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	3	1
Sodium	ppm	1	5	1	0
Potassium	ppm	<1	0	<1	<1



Wear Metals

Iron	ppm	10	5	6	3
Copper	ppm	5	5	5	3
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	0	<1	0
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	0	<1	2	0
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	<1	<1
Manganese	ppm	0	<1	<1	0
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	125	156	185	105
Magnesium	ppm	2	4	36	3
Zinc	ppm	198	156	193	100
Phosphorus	ppm	857	945	923	1082
Barium	ppm	<1	<1	<1	<1
Boron	ppm	185	210	205	257

T:
F:

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: HAR300SAI
Unique No: 5672502
Signed: Bill Quesnel
Report Date: 10 Nov 2023



Graphs

