

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS895 188244 - Left Final Drive

Sample No: LH0289544

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0289544	LH0266038	LH0082469	LH0074646
Sample Date	10 May 2024	06 Jun 2023	06 Jun 2014	23 Aug 2013
Machine Hours	21278	15269	3692	1957
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

HIGGS & HIGGS

RR # 4

ST THOMAS, ON

CA N5P 3S8

Contact: Bernie Higgs



Oil Condition

Visc @ 40°C	cSt	81.9	79.3	94.0	102
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T: (519)631-4095

F: (519)631-2745



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	6	1	1
Sodium	ppm	<1	<1	<1	0
Potassium	ppm	<1	1	<1	2

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. The condition of the oil is acceptable for the time in service.



Wear Metals

Iron	ppm	19	16	13	14
Copper	ppm	1	6	8	10
Lead	ppm	0	4	13	10
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	1	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	<1	<1	<1	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	43	89	20	21
Magnesium	ppm	17	5	<1	2
Zinc	ppm	80	151	18	22
Phosphorus	ppm	675	1033	1251	1418
Barium	ppm	0	0	0	<1
Boron	ppm	26	203	321	248

Depot: HIGSTT

Unique No: 5801758

Signed: Wes Davis

Report Date: 26 Jun 2024



Graphs

