

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR HS8100 184947 - Right Swing Drive

Sample No: LH0296495

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



Sample Information

Sample Number	LH0296495	LH	LH	LH0134166
Sample Date	01 Jul 2024	09 Jul 2021	16 Feb 2019	12 Oct 2018
Machine Hours	0	8863	3307	2504
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Not Changd
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	86.6	91.4	88.1	90.4
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T: (519)631-4095

F: (519)631-2745



Contamination

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

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	40	57	87	50
Copper	ppm	<1	<1	0	0
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	0	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



Additives

Calcium	ppm	3	10	20	10
Magnesium	ppm	<1	<1	5	4
Zinc	ppm	4	5	15	9
Phosphorus	ppm	723	1583	1226	1143
Barium	ppm	0	0	0	0
Boron	ppm	19	217	307	291

Depot: HIGSTT

Unique No: 5802485

Signed: Wes Davis

Report Date: 02 Jul 2024



Graphs

