

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR HS8100 184947 - Splitter Box

Sample No: LH0296503

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC



#### Sample Information

Sample Number	LH0296503	LH0239505	LH	LH
Sample Date	01 Jul 2024	05 May 2023	09 Jul 2021	16 Feb 2019
Machine Hours	0	13236	8863	3307
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	63.8	62.5	91.8	94.1
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T: (519)631-4095

F: (519)631-2745



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	3	2	2
Sodium	ppm	<1	<1	<1	<1
Potassium	ppm	<1	<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	8	10	8	20
Copper	ppm	3	6	2	2
Lead	ppm	0	<1	<1	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	0	<1
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	3	<1	<1	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	123	79	91	29
Magnesium	ppm	56	14	4	4
Zinc	ppm	246	218	174	33
Phosphorus	ppm	839	927	1110	1217
Barium	ppm	0	0	0	<1
Boron	ppm	148	172	128	295

Depot: HIGSTT

Unique No: 5802484

Signed: Wes Davis

Report Date: 02 Jul 2024



### Graphs

