

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR HS8100 184947 - Right Final Drive

Sample No: LH0296501

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90



#### Sample Information

Sample Number	LH0296501	LH	LH0125891	LH0120475
Sample Date	01 Jul 2024	09 Jul 2021	17 Apr 2018	08 Dec 2017
Machine Hours	0	8863	1076	499
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	90.0	90.9	104	191
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T: (519)631-4095

F: (519)631-2745



#### Contamination

Water	%	0.040	NEG	NEG	NEG
Silicon	ppm	59	5	5	<1
Sodium	ppm	3	<1	1	3
Potassium	ppm	6	<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. The water content is negligible. 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	78	15	12	20
Copper	ppm	6	2	8	8
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	0	<1
Aluminum	ppm	16	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	2	<1	<1	<1
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	116	19	30	6
Magnesium	ppm	13	4	1	<1
Zinc	ppm	4	9	12	9
Phosphorus	ppm	716	1543	1253	1199
Barium	ppm	<1	0	<1	4
Boron	ppm	25	208	270	2

Depot: HIGSTT

Unique No: 5802487

Signed: Kevin Marson

Report Date: 03 Jul 2024



### Graphs

