# LIEBHERR

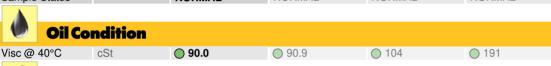
## **CONSTRUCTION EQUIPMENT**

### LIEBHERR HS8100 184947 - Right Final Drive

Sample No: LH0296501

Oil Type: PETRO CANADA TRAXON SYNTHETIC 75W90

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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			



Conta	mination				
Water	%	0.040	NEG	NEG	NEG
Silicon	ppm	<b>59</b>			O <1
Sodium	ppm	<b>3</b>	O <1	O 1	○ 3
Potassium	ppm	<b>6</b>	O <1	O <1	O 2

Wea	r Metals	5			
Iron	ppm	<b>78</b>	O 15	O 12	O 20
Copper	ppm	<b>6</b>	O 2	0 8	0 8
Lead	ppm	<b>0</b>	O <1	O <1	O <1
Tin	ppm	<b>0</b>	O <1	<b>0</b>	O <1
Aluminum	ppm	<b>16</b>	O <1	O <1	O <1
Chromium	ppm	<b>()</b> <1	O <1	O <1	O <1
Molybdenum	ppm	<b>0</b>	O <1	<b>0</b>	0
Nickel	ppm	<b>2</b>	<1	<1	<1
Titanium	ppm	<1	0	<1	0
Silver	ppm	0	<1	0	0
Manganese	ppm	<b>1</b>	O <1	<1	O <1
Vanadium	ppm	0	0	0	0

vanadium	ppm	0	0	0	0	
Additives						
Calcium	ppm	<b>116</b>	O 19	○ 30	<b>6</b>	
Magnesium	ppm	<b>13</b>	<b>4</b>	O 1	O <1	
Zinc	ppm	<b>4</b>	<b>9</b>	O 12	<b>9</b>	
Phosphorus	ppm	716	O 1543	O 1253	1199	
Barium	ppm	<b>()</b> <1	0	O <1	<b>4</b>	
Boron	ppm	25	208	○ 270	O 2	



HIGGS & HIGGS RR # 4 ST THOMAS, ON CA N5P 3S8 Contact: Bernie Higgs

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#### 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.

Depot: HIGSTT
Unique No: 5802487
Signed: Kevin Marson
Report Date: 03 Jul 2024

## LIEBHERR

**CONSTRUCTION EQUIPMENT** 





### **Graphs**

