

### LIEBHERR R934 025778-918 - Swing Drive

Sample No: LH0258831

Oil Type: GEAR OIL SAE 80W90

#### **Sample Information**

Sample Number	LH0258831	LH0190476						
Sample Date	12 Apr 2024	09 Apr 2021						
Machine Hours	4594	3853						
Oil Hours	0	0						
Oil Changed	Not Changd	Changed						
Sample Status	NORMAL	SEVERE						
Oil Condition								
Visc @ 40°C cSt	<b>128</b>	0 149						

#### **Contamination** Water % NEG 2.35 Silicon $\bigcirc 5$ ppm 03 Sodium ◯ <1 0 < 1 ppm Potassium ppm 03 2

Wea	r Metals			
Iron	ppm	<b>438</b>	902	 
Copper	ppm	0 215	0 455	 
Lead	ppm	<b>○</b> <1	01	 
Tin	ppm	07	5	 
Aluminum	ppm	01	○ <1	 
Chromium	ppm	03	07	 
Molybdenum	ppm	02	0	 
Nickel	ppm	<b>○</b> <1	2	 
Titanium	ppm	<1	0	 
Silver	ppm	<1	<1	 
Manganese	ppm	04	6	 
Vanadium	ppm	<1	0	 

# Additives Calcium ppm 93 6 Magnesium ppm 4 1

	10 10 · · · ·	· ·		
Zinc	ppm	0 114	68	 
Phosphorus	ppm	<b>786</b>	0 801	 
Barium	ppm	0	3	 
Boron	maa	<b>17</b>	0.37	 





#### AMERICAN STATE EQUIPMENT CO.

2400 NORTH 14TH AVENUE WAUSAU, WI US 54401 Contact: CHRIS BARTNIK cbartnik@amstate.com T: (715)675-6900 F: (715)675-9748

#### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 LEC0008

 Unique No:
 10989273

 Signed:
 Wes Davis

 Report Date:
 23 Apr 2024

 Contact/Location: CHRIS BARTNIK - LEC0008

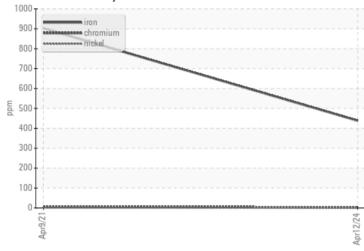




## Ø

#### Ferrous Alloys

Graphs



#### Non-ferrous Metals

