# CONSTRUCTION EQUIPMENT

## [[CLEVELAND CLIFF]] LIEBHERR LH60 107739-1217 - Rear Right W

Sample No: LH0268107

0

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

**ADDITIVES** 

ppm

ppm

ppm

ppm

ppm

ppm

Oil Type: LIEBHERR GEAR BASIC 90 LS

## **SAMPLE INFORMATION**

Sample Number	LH0268107	LH0244205	LH0200069	LH0190714
Sample Date	22 Jan 2024	26 Jan 2023	24 Sep 2021	21 Jun 2021
Machine Hours	8998	7471	5121	4876
Oil Hours	1000	0	0	0
Oil Changed	Changed	Changed	N/A	N/A
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL
OIL CON	DITION			
Visc @ 40°C cS	t 🔵 150	128	142	183
11 A				

	NTAMIN/	ATION				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	0 12	◯ <1	◯ <1	8	
Sodium	ppm	0 2	0	3	03	
Potassium	ppm	○ <1	0 <1	0 2	01	

Ä					
WEA	R METAL	S			
Iron	ppm	◯ 71	0 9	8 🔘	33
Copper	ppm	0 60	○ 5	6	23
Lead	ppm	<b>○</b> <1	0	0	0
Tin	ppm	<b>○</b> <1	$\bigcirc$ 0	0	0
Aluminum	ppm	01	0	0	0
Chromium	ppm	<b>○</b> <1	$\bigcirc$ 0	0	○ <1
Molybdenum	ppm	04	○ <1	◯ <1	○ <1
Nickel	ppm	0	$\bigcirc$ 0	◯ <1	0
Titanium	ppm	0	0	0	○ <1
Silver	ppm	0	0	0	0
Manganese	ppm	02	◯ <1	◯ <1	○ <1
Vanadium	ppm	0	0	0	0

28

○ <1

0 10

 $\bigcirc 0$ 

0 1814

345

9

 $\bigcirc 2$ 

 $\bigcirc 0$ 

 $\bigcirc 2$ 

0 1966

292

0 15

 $\bigcirc 5$ 

0 13

 $\bigcirc 4$ 

043

0 2115

#### FINKBINER EQUIPMENT CO.

15 W 400 N FRONTAGE RD BURR RIDGE, IL US 60527 Contact: TROY MILLER tmiller@finkbiner.com T: (630)654-3700 F: (630)654-3792

#### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.Bearing and/or bushing wear is indicated. All other 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:	LEC0033
Unique No:	10884183
Signed:	Don Baldridge
Report Date:	18 Feb 2024

0 136

03

63

04

05

1365

Contact/Location: TROY MILLER - LEC0033







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GRAPHS

