

[[CLEVELAND CLIFF]] LIEBHERR LH60 107739-1217 - Front Right W

Sample No: LH0268105

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Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ADDITIVES

ppm

ppm

ppm

ppm

ppm

ppm

Oil Type: LIEBHERR GEAR BASIC 90 LS

SAMPLE INFORMATION

Sample Number		LH0268105	LH0244206	LH0200126	LH0190709
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 CONDITION					
Visc @ 40°C	cSt	0 150	135	0 144	0 176

	NTAMIN/	ATION				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	0 23	0 1	◯ <1	2	
Sodium	ppm	0	0	3	3	
Potassium	ppm	01	03	0 2	02	

Ä					
WEA	R METALS	5			
Iron	ppm	0 89	61	30	66
Copper	ppm	<u> </u>	◯ 13	07	0 10
Lead	ppm	01	0	◯ <1	◯ <1
Tin	ppm	○ <1	0	0	0
Aluminum	ppm	2	0	0	0
Chromium	ppm	○ <1	○ <1	◯ <1	◯ <1
Molybdenum	ppm	5	◯ <1	◯ <1	0 1
Nickel	ppm	○ <1	0	◯ <1	◯ <1
Titanium	ppm	○ <1	0	0	◯ <1
Silver	ppm	<1	0	0	0
Manganese	ppm	04	◯ <1	◯ <1	2
Vanadium	ppm	<1	0	0	0

18

 $\bigcirc 4$

0 16

 $\bigcirc 0$

0 1886

345

0 14

02

 $\bigcirc 0$

8

0 1941

233

31

8 🔘

0 11

21

0 113

0 2079



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. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Moderate concentration of visible yellow metal present. Bearing and/or bushing wear is indicated. 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:	10884187
Signed:	Don Baldridge
Report Date:	19 Feb 2024

69

02

0 46

0

○ <1

0 1210

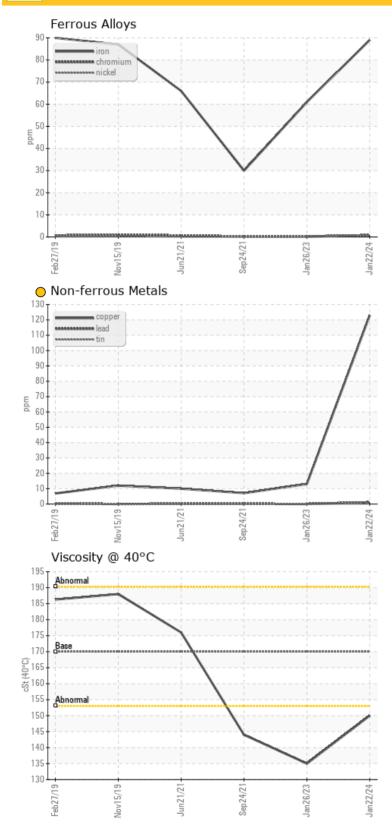
Contact/Location: TROY MILLER - LEC0033





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GRAPHS



Report Id: LEC0033 [WUSCAR] 06091334 (Generated: 02/19/2024 20:38:08) Rev: 1