# **CONSTRUCTION EQUIPMENT**

# LIEBHERR LH30M 121854-1253 - Rear Differential

Sample No: LH0267092

0

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

**Additives** 

ppm

ppm

ppm

ppm

ppm

ppm

**Oil Type:** GEAR OIL SAE 80W90

### **Sample Information**

Sample Number		LH0267092	LH0272747	LH0264397	LH0220805
Sample Date		17 May 2024	02 Jan 2024	04 Aug 2023	05 Dec 2022
Machine Hours		8113	6976	6007	3974
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
Oil Co	ndition				
Visc @ 40°C	cSt	116	0 124	0 133	0 139

Cor	Contamination					
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	<b>○</b> <1	0 2	03	01	
Sodium	ppm	02	0	01	0 1	
Potassium	ppm	0	01	02	02	

Ä					
Wea	r Metals				
Iron	ppm	0 14	0 13	38	24
Copper	ppm	<b>○</b> <1	○ <1	03	◯ <1
Lead	ppm	0	◯ <1	0	0
Tin	ppm	0	○ <1	0	0
Aluminum	ppm	0	2	◯ <1	○ <1
Chromium	ppm	<b>○</b> <1	○ <1	◯ <1	○ <1
Molybdenum	ppm	0 2	◯ <1	◯ <1	◯ <1
Nickel	ppm	0	○ <1	◯ <1	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<b>○</b> <1	◯ <1	0 1	01
Vanadium	ppm	0	0	0	0

0 37

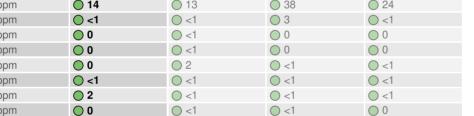
 $\bigcirc 2$ 

09

077

 $\bigcirc 0$ 

 $\bigcirc 1$ 



0 41

04

0 18

0 803

0

 $\bigcirc 7$ 

60

 $\bigcirc 7$ 

0 15

0 647

 $\bigcirc 0$ 

0 12



## 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. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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:	11048107		
Signed:	Wes Davis		
Report Date:	28 May 2024		
Contact/Location: CHRIS BARTNIK - LEC0008			

0 54

01

0 31

968

◯ <1

0







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Graphs

