## LIEBHERR

**CONSTRUCTION EQUIPMENT** 

### LIEBHERR LH40M 159572-1215 - Front Right Wheel Hub

Sample No: LH0268005

Oil Type: GEAR OIL SAE 80W90

<b>5</b>				
J Sam	ple Info	rmation		
Sample Number		LH0268005	 	
Sample Date		18 May 2024	 	
Machine Hours		194	 	
Oil Hours		194	 	
Oil Changed		Not Changd	 	
Sample Status		SEVERE	 	
À		0212112		
0:16	ondition			
Visc @ 40°C	cSt	<b>135</b>	 	
Cont	aminati	on		
Water	%	NEG	 	
Silicon		∩ 12	 	
Sodium	ppm	<b>3</b>		
	ppm		 	
Potassium	ppm	<b>○</b> <1	 	
(O)				
Wea	r Metal	S		
Iron	ppm	<b>144</b>	 	
Copper	ppm	<b>168</b>	 	
Lead	ppm	<b>0</b> <1	 	
Tin	ppm	O <1	 	
Aluminum	ppm	<b>6</b>	 	
Chromium	ppm	<b>0</b> <1	 	
Molybdenum	ppm	01	 	
Nickel	ppm	0	 	
Titanium	ppm	00	 	
Silver	ppm	0	 	
Manganese	ppm	<b>6</b>	 	
Vanadium	ppm	0	 	
Addi	tives			
Addi	tives			
Calcium	ppm	<b>79</b>	 	
Magnesium	ppm	<b>0</b>	 	



#### **HEAVY MACHINES INC** 825 31ST STREET NORTH BIRMINGHAM, AL

US 35203

Contact: CHRIS MCANNALLY cmcannally@heavymachines.com

T: F:

#### Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The copper level is severe. High concentration of visible yellow metal present. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: HEABIRLH
Unique No: 11044843
Signed: Sean Felton
Report Date: 28 May 2024

Contact/Location: CHRIS MCANNALLY - HEABIRLH

**106** 

**1278** 

0

**()** <1

ppm

ppm

ppm

ppm

Zinc

Barium

Boron

Phosphorus

# LIEBHERR







#### **Graphs**

