# LIEBHERR

# **CONSTRUCTION EQUIPMENT**

# LIEBHERR LH50M 132404-1216 - Front Right Wheel Hub

Sample No: LH0223399

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

Oil Type: LIEBHERR GEAR BASIC 90 LS

ample Number		LH0223399	LH	LH	
Sample Date		07 May 2024	26 Apr 2024	02 Feb 2024	
Machine Hours		14075	13458	12428	
Dil Hours		0	0	0	
Oil Changed		Changed	Changed	Changed	
Sample Status		NORMAL	NORMAL	NORMAL	
	ondition	-			
/isc @ 40°C	cSt	<b>164</b>	143	92.5	
	aminati				
Nater	%	NEG	NEG	NEG	
Silicon	ppm	<b>3</b>	O 5	<b>3</b>	
Sodium	ppm	<b>4</b>	0 2	O 1	
Potassium	ppm	<b>○</b> <1	O <1	<b></b> <1	
	<mark>r Metal</mark> s		0.53	0.00	
ron	ppm	<b>46</b>	O 57	O 29	
Copper	ppm	<b>0</b> 7	0 6	0 4	
_ead <del>-</del> :	ppm	0	0 0	0	
Tin Alemaiere	ppm	0 0	00	0 0	
Aluminum	ppm	O <1	0 <1	0	
Chromium	ppm	0	0 0	0 0	
Molybdenum	ppm	0	0 0	0 0	
Nickel	ppm	<b>O</b> <1	0	0	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	0	
Manganese	ppm	<b>0</b> <1	O <1	0	
/anadium	ppm	0	0	0	

**48** 

02

0 15

0

39

**17** 

0
147



HUBERT & FILS 474 ROUTE 105 BOIS-FRANC, QC CA J9E 3A9 Contact: Eric Brisebois ericbrisebois99@gmail.com

T: F:

### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot:HUBBOIUnique No:5814317Signed:Kevin MarsonReport Date:19 Jul 2024

25

26

**2231** 

01

0

**22** 

ppm

ppm

ppm

ppm

ppm

ppm

**CONSTRUCTION EQUIPMENT** 





## **Graphs**

