

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 139284-1253 - Front Right Wheel Hub

Sample No: LH0241871

Oil Type: LIEBHERR GEAR BASIC 90 LS



**HUBERT & FILS**

474 ROUTE 105  
BOIS-FRANC, QC  
CA J9E 3A9

Contact: Eric Brisebois  
ericbrisebois99@gmail.com

T:  
F:



#### Sample Information

Sample Number	LH0241871	LH0241901	LH0241889	---
Sample Date	17 Jul 2024	01 Mar 2024	05 Jan 2024	---
Machine Hours	0	3900	3235	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	---



#### Oil Condition

Visc @ 40°C	cSt	98.9	127	187	---
-------------	-----	------	-----	-----	-----



#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	1	1	4	---
Sodium	ppm	3	2	3	---
Potassium	ppm	<1	<1	0	---



#### Wear Metals

Iron	ppm	23	27	42	---
Copper	ppm	2	1	2	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	<1	<1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	<1	0	0	---
Vanadium	ppm	0	0	0	---



#### Additives

Calcium	ppm	24	26	48	---
Magnesium	ppm	<1	<1	<1	---
Zinc	ppm	15	14	14	---
Phosphorus	ppm	943	1465	2254	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	4	2	1	---

#### 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. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: HUBBOI  
Unique No: 5814306  
Signed: Kevin Marson  
Report Date: 19 Jul 2024



### Graphs

