

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 132404-1216 - Front Left Wheel Hub

Sample No: LH

Oil Type: GEAR OIL SAE 75W90



**HUBERT & FILS**

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

Contact: Eric Brisebois  
ericbrisebois99@gmail.com

T:  
F:



#### SAMPLE INFORMATION

Sample Number	LH	LH0223409	LH0209282	---
Sample Date	24 Nov 2023	20 Oct 2023	24 Mar 2023	---
Machine Hours	11707	11209	8500	---
Oil Hours	0	0	0	---
Oil Changed	N/A	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	101	139	89.8	---
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	2	2	24	---
Sodium	ppm	8	6	2	---
Potassium	ppm	3	1	<1	---



#### WEAR METALS

Iron	ppm	42	30	27	---
Copper	ppm	10	15	4	---
Lead	ppm	0	0	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	<1	0	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	100	47	13	---
Magnesium	ppm	<1	<1	0	---
Zinc	ppm	62	22	14	---
Phosphorus	ppm	1236	1956	1110	---
Barium	ppm	0	0	0	---
Boron	ppm	120	47	146	---

#### Diagnosis

Resample at the next service interval to monitor. 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: HUBBOI  
Unique No: 5750513  
Signed: Wes Davis  
Report Date: 28 Mar 2024



### GRAPHS

