

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0223409

Oil Type: IRVING HDH SAE 75W90



**HUBERT & FILS**

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

Contact: Eric Brisebois  
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T:  
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#### SAMPLE INFORMATION

Sample Number	LH0223409	LH0209282	---	---
Sample Date	20 Oct 2023	24 Mar 2023	---	---
Machine Hours	11209	8500	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

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

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



#### WEAR METALS

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



#### ADDITIVES

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

#### 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: HUBBOI  
Unique No: 5750524  
Signed: Wes Davis  
Report Date: 28 Mar 2024



### GRAPHS

