

# 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  
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#### SAMPLE INFORMATION

Sample Number	LH	LH0209254	LH0209270	LH
Sample Date	15 Mar 2024	15 Mar 2024	02 Feb 2024	24 Nov 2023
Machine Hours	12925	12925	12428	11707
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	90.3	92.8	90.5	101
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	3	8	2
Sodium	ppm	1	4	4	8
Potassium	ppm	1	10	11	3



#### WEAR METALS

Iron	ppm	47	46	55	42
Copper	ppm	6	4	7	10
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	3	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	171	12	145	100
Magnesium	ppm	1	<1	<1	<1
Zinc	ppm	77	13	77	62
Phosphorus	ppm	1060	1069	1121	1236
Barium	ppm	0	0	0	0
Boron	ppm	149	153	136	120

#### 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: 5750511  
 Signed: Wes Davis  
 Report Date: 28 Mar 2024



### GRAPHS

