

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 121164-1216 - Front Right Wheel Hub

Sample No: LH0274289

Oil Type: LIEBHERR GEAR BASIC 90 LS



**ACIER CENTURY INC**  
600 BERGE DU CANAL  
LACHINE, QC  
CA H8R 1H4  
Contact: SERVICE



#### SAMPLE INFORMATION

Sample Number	LH0274289	LH0235223	LH	LH0177781
Sample Date	02 Oct 2023	08 Nov 2022	04 Oct 2021	06 Oct 2020
Machine Hours	4259	3298	0	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	172	172	179	154
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T:  
F:



#### CONTAMINATION

Silicon	ppm	6	9	15	24
Sodium	ppm	13	15	14	7
Potassium	ppm	0	1	3	2

#### 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.



#### WEAR METALS

Iron	ppm	42	58	80	46
Copper	ppm	6	8	15	23
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	1	1	3
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	0	<1
Silver	ppm	<1	0	<1	0
Manganese	ppm	<1	1	2	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	38	54	83	225
Magnesium	ppm	<1	1	2	3
Zinc	ppm	34	35	19	82
Phosphorus	ppm	2245	2403	2311	2035
Barium	ppm	<1	0	<1	<1
Boron	ppm	2	2	3	3

Depot: ACILAC  
Unique No: 5658438  
Signed: Wes Davis  
Report Date: 16 Oct 2023



### GRAPHS

