

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 153712-1253 - Front Left Wheel Hub

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



**Innovation Industrielle Boivin Inc.**  
 2205 de la Fonderie  
 Chicoutimi, QC  
 CA G7H 8B9  
 Contact: Service Manager

T:  
 F:



#### SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	14 Dec 2023	---	---	---
Machine Hours	500	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	64.6	---	---	---
-------------	-----	------	-----	-----	-----



#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	17	---	---	---
Potassium	ppm	0	---	---	---



#### WEAR METALS

Iron	ppm	42	---	---	---
Copper	ppm	9	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	3577	---	---	---
Magnesium	ppm	9	---	---	---
Zinc	ppm	1432	---	---	---
Phosphorus	ppm	1130	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	105	---	---	---

#### 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. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot: INN220CHI  
 Unique No: 5697000  
 Signed: Kevin Marson  
 Report Date: 19 Dec 2023



### GRAPHS

