

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 153712-1253 - Front Differential

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



#### SAMPLE INFORMATION

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



#### OIL CONDITION

Visc @ 40°C	cSt	64.5	---	---	---
-------------	-----	------	-----	-----	-----

T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	11	---	---	---
Sodium	ppm	14	---	---	---
Potassium	ppm	<1	---	---	---

#### 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	12	---	---	---
Copper	ppm	3	---	---	---
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	4	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	3749	---	---	---
Magnesium	ppm	11	---	---	---
Zinc	ppm	1466	---	---	---
Phosphorus	ppm	1158	---	---	---
Barium	ppm	<1	---	---	---
Boron	ppm	110	---	---	---

Depot: INN220CHI  
 Unique No: 5697003  
 Signed: Wes Davis  
 Report Date: 18 Dec 2023



### GRAPHS

