

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 143683-1253 - Front Differential

Sample No: LH

Oil Type: LIEBHERR GEAR BASIC 90 LS



**SCIERIE MARTEL LTEE**  
 3000 ROUTE DU LAC EST  
 ALMA, QC  
 CA G8B 5V2  
 Contact: Alain Bauchard

T: (418)668-3366  
 F: (418)668-2071



#### SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	31 Aug 2023	---	---	---
Machine Hours	1000	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	64.9	---	---	---
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#### CONTAMINATION

Silicon	ppm	11	---	---	---
Sodium	ppm	17	---	---	---
Potassium	ppm	1	---	---	---



#### WEAR METALS

Iron	ppm	9	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	5	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	3571	---	---	---
Magnesium	ppm	12	---	---	---
Zinc	ppm	1430	---	---	---
Phosphorus	ppm	1261	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	102	---	---	---

#### 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: SCIALM  
 Unique No: 5642592  
 Signed: Wes Davis  
 Report Date: 12 Sep 2023



### GRAPHS

