

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M 098208 - Front Differential

Sample No: LH

Oil Type: GEAR OIL SAE 80W90



**LIEBHERR CANADA LTEE**  
 444 AVENUE DE LA FRICHE  
 DOLBEAU-MISTASSINI, QC  
 CA G8L 3M7  
 Contact: Luc Trottier  
 luc.trottier@liebherr.com  
 T:  
 F: (418)276-9844



#### SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	29 Jun 2023	---	---	---
Machine Hours	6242	---	---	---
Oil Hours	135	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 192	---	---	---
-------------	-----	-------	-----	-----	-----



#### CONTAMINATION

Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● <1	---	---	---



#### WEAR METALS

Iron	ppm	● 4	---	---	---
Copper	ppm	● 31	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 3	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 18	---	---	---
Phosphorus	ppm	● 2342	---	---	---
Barium	ppm	● 2	---	---	---
Boron	ppm	● <1	---	---	---

#### Diagnosis

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates. 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: LBADOL  
 Unique No: 5605114  
 Signed: Kevin Marson  
 Report Date: 20 Jul 2023



### GRAPHS

