

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30 082384-1203 - Swing Drive

Sample No: LH  
Oil Type: NOT GIVEN



**BOURQUE METAL**  
1341 Chemin Magenta Ouest  
Brigham, QC  
CA J2K 4A2  
Contact: Service Manager

T:  
F:



#### SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	07 Sep 2023	---	---	---
Machine Hours	11160	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 101	---	---	---
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#### CONTAMINATION

Water	%	● 0.234	---	---	---
Silicon	ppm	● 11	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 2	---	---	---



#### WEAR METALS

PQ		● 15	---	---	---
Iron	ppm	● 1902	---	---	---
Copper	ppm	● 990	---	---	---
Lead	ppm	● 25	---	---	---
Tin	ppm	● 10	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 14	---	---	---
Molybdenum	ppm	● 4	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 15	---	---	---
Vanadium	ppm	● 0	---	---	---



#### ADDITIVES

Calcium	ppm	● 89	---	---	---
Magnesium	ppm	● 15	---	---	---
Zinc	ppm	● 284	---	---	---
Phosphorus	ppm	● 1137	---	---	---
Barium	ppm	● 2	---	---	---
Boron	ppm	● 94	---	---	---

#### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. Copper and lead ppm levels are severe. Chromium and iron ppm levels are abnormal. Bearing and/or bushing wear is indicated. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is a moderate concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: BOU134BRI  
Unique No: 5645569  
Signed: Bill Quesnel  
Report Date: 25 Sep 2023



### GRAPHS

