

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 139284-1253 - Swing Drive

Sample No: LH0239955

Oil Type: LIEBHERR GEAR BASIC 90 LS



**HUBERT & FILS**  
 474 ROUTE 105  
 BOIS-FRANC, QC  
 CA J9E 3A9  
 Contact: Eric Brisebois  
 ericbrisebois99@gmail.com  
 T:  
 F:



#### SAMPLE INFORMATION

Sample Number	LH0239955	LH0241862	---	---
Sample Date	04 Sep 2023	06 Jul 2023	---	---
Machine Hours	2265	1668	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	107	● 168	---	---
-------------	-----	-----	-------	-----	-----



#### CONTAMINATION

Silicon	ppm	● <1	● <1	---	---
Sodium	ppm	● <1	● 1	---	---
Potassium	ppm	● 0	● <1	---	---



#### WEAR METALS

Iron	ppm	● 31	● 56	---	---
Copper	ppm	● 36	● 41	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● 1	● 1	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● 0	● <1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	● 3	● 7	---	---
Magnesium	ppm	● 0	● <1	---	---
Zinc	ppm	● 7	● 12	---	---
Phosphorus	ppm	1174	● 2266	---	---
Barium	ppm	● <1	● <1	---	---
Boron	ppm	121	● 19	---	---

#### Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as LIEBHERR GEAR BASIC 90 LS, however, a fluid match indicates that this fluid is SAE 75W90 Gear Oil. Please confirm the oil type and grade on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 75W90 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: HUBBOI  
 Unique No: 5659444  
 Signed: Kevin Marson  
 Report Date: 20 Oct 2023



### GRAPHS

