

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 139284-1253 - Rear Differential

Sample No: LH0239951

Oil Type: LIEBHERR GEAR BASIC 90 LS



**HUBERT & FILS**  
 474 ROUTE 105  
 BOIS-FRANC, QC  
 CA J9E 3A9  
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#### SAMPLE INFORMATION

Sample Number	LH0239951	LH0241858	LH0241858	---
Sample Date	04 Sep 2023	07 Jun 2023	18 Apr 2023	---
Machine Hours	2265	1668	1142	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	N/A	---
Sample Status	NORMAL	NORMAL	NORMAL	---



#### OIL CONDITION

Visc @ 40°C	cSt	179	175	99.9	---
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#### CONTAMINATION

Silicon	ppm	<1	2	<1	---
Sodium	ppm	2	2	2	---
Potassium	ppm	0	<1	<1	---



#### WEAR METALS

Iron	ppm	6	7	3	---
Copper	ppm	1	<1	<1	---
Lead	ppm	0	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	<1	0	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	30	97	160	---
Magnesium	ppm	<1	1	<1	---
Zinc	ppm	9	31	156	---
Phosphorus	ppm	2295	2255	1302	---
Barium	ppm	<1	0	0	---
Boron	ppm	5	17	102	---

#### Diagnosis

Resample at the next service interval to monitor. 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: HUBBOI  
 Unique No: 5659442  
 Signed: Wes Davis  
 Report Date: 19 Oct 2023



### GRAPHS

