

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 137424-1253 - Front Left Wheel Hub

Sample No: LH0228737

Oil Type: LIEBHERR GEAR BASIC 90 LS



**CAC ENTERPRISES GROUP INC.**  
 2411 76th AVE  
 EDMONTON, AB  
 CA T6P 1P6  
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#### SAMPLE INFORMATION

Sample Number	LH0228737	LH0228725	---	---
Sample Date	21 Jun 2023	25 Nov 2022	---	---
Machine Hours	2000	1000	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	63.6	64.6	---	---
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#### CONTAMINATION

Silicon	ppm	8	8	---	---
Sodium	ppm	21	19	---	---
Potassium	ppm	2	2	---	---



#### WEAR METALS

Iron	ppm	51	43	---	---
Copper	ppm	64	45	---	---
Lead	ppm	2	1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	3510	3587	---	---
Magnesium	ppm	10	9	---	---
Zinc	ppm	1397	1386	---	---
Phosphorus	ppm	1197	1220	---	---
Barium	ppm	<1	<1	---	---
Boron	ppm	102	100	---	---

#### 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. Viscosity of sample indicates oil is within SAE 80 range, advise investigate. The condition of the oil is acceptable for the time in service.

Depot: CAC241EDM  
 Unique No: 5620810  
 Signed: Kevin Marson  
 Report Date: 14 Aug 2023



### GRAPHS

