

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0228738

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	LH0228738	LH0228726	---	---
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	63.5	70.4	---	---
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#### CONTAMINATION

Silicon	ppm	5	6	---	---
Sodium	ppm	18	18	---	---
Potassium	ppm	1	2	---	---



#### WEAR METALS

Iron	ppm	46	45	---	---
Copper	ppm	29	22	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	3470	3599	---	---
Magnesium	ppm	9	9	---	---
Zinc	ppm	1404	1385	---	---
Phosphorus	ppm	1188	1206	---	---
Barium	ppm	<1	0	---	---
Boron	ppm	101	99	---	---

#### 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. Viscosity of sample indicates oil is within SAE 80 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: CAC241EDM  
 Unique No: 5620806  
 Signed: Kevin Marson  
 Report Date: 14 Aug 2023



### GRAPHS

