

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 144157-1216 - Front Left Wheel Hub

Sample No: LH0255446

Oil Type: LIEBHERR SYNTOGear PLUS 75W-90



**CALGARY METALS (1985) LTD.**  
 3415 OGDEN RD. SE.  
 CALGARY, AB  
 CA T2G 4N4  
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#### SAMPLE INFORMATION

Sample Number	LH0255446	LH0225082	---	---
Sample Date	17 Nov 2023	15 Feb 2023	---	---
Machine Hours	2077	472	---	---
Oil Hours	0	0	---	---
Oil Changed	N/A	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 122	● 143	---	---
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#### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 21	● 30	---	---
Sodium	ppm	● 4	● 5	---	---
Potassium	ppm	● <1	● 3	---	---



#### WEAR METALS

Iron	ppm	● 63	● 41	---	---
Copper	ppm	● 26	● 15	---	---
Lead	ppm	● 1	● <1	---	---
Tin	ppm	● 0	● <1	---	---
Aluminum	ppm	● 2	● 3	---	---
Chromium	ppm	● 0	● <1	---	---
Molybdenum	ppm	● 5	● 8	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● 2	● 2	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

Calcium	ppm	● 142	286	---	---
Magnesium	ppm	● 2	● 2	---	---
Zinc	ppm	● 59	● 71	---	---
Phosphorus	ppm	● 1299	● 1546	---	---
Barium	ppm	● <1	● <1	---	---
Boron	ppm	● 91	● 6	---	---

#### 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: CAL341CAL  
 Unique No: 5696993  
 Signed: Wes Davis  
 Report Date: 18 Dec 2023



### GRAPHS

