

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0255458

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	LH0255458	LH0255446	LH0225082	---
Sample Date	21 Jun 2024	17 Nov 2023	15 Feb 2023	---
Machine Hours	3338	2077	472	---
Oil Hours	0	0	0	---
Oil Changed	N/A	N/A	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



#### Oil Condition

Visc @ 40°C	cSt	118	122	143	---
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#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	23	21	30	---
Sodium	ppm	5	4	5	---
Potassium	ppm	2	<1	3	---



#### Wear Metals

Iron	ppm	76	63	41	---
Copper	ppm	31	26	15	---
Lead	ppm	<1	1	<1	---
Tin	ppm	0	0	<1	---
Aluminum	ppm	3	2	3	---
Chromium	ppm	<1	0	<1	---
Molybdenum	ppm	4	5	8	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	3	2	2	---
Vanadium	ppm	0	0	0	---



#### Additives

Calcium	ppm	151	142	286	---
Magnesium	ppm	2	2	2	---
Zinc	ppm	68	59	71	---
Phosphorus	ppm	1273	1299	1546	---
Barium	ppm	<1	<1	<1	---
Boron	ppm	82	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: 5802209  
 Signed: Kevin Marson  
 Report Date: 02 Jul 2024



### Graphs

