

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 145108-1216 - Rear Left Wheel Hub

Sample No: LH0272118

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0272118	---	---	---
Sample Date	21 Dec 2023	---	---	---
Machine Hours	1655	---	---	---
Oil Hours	1655	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

#### PCA

400 2ND STREET  
INTERNATIONAL FALLS, MN  
US 56649  
Contact: SCOTT LINDVALL  
scottlindvall@boisepaper.com  
T: (218)285-5706  
F:



#### OIL CONDITION

Visc @ 40°C	cSt	● 163	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 16	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 0	---	---	---

#### 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.



#### WEAR METALS

Iron	ppm	● 147	---	---	---
Copper	ppm	● 59	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 2	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 3	---	---	---
Vanadium	ppm	● <1	---	---	---



#### ADDITIVES

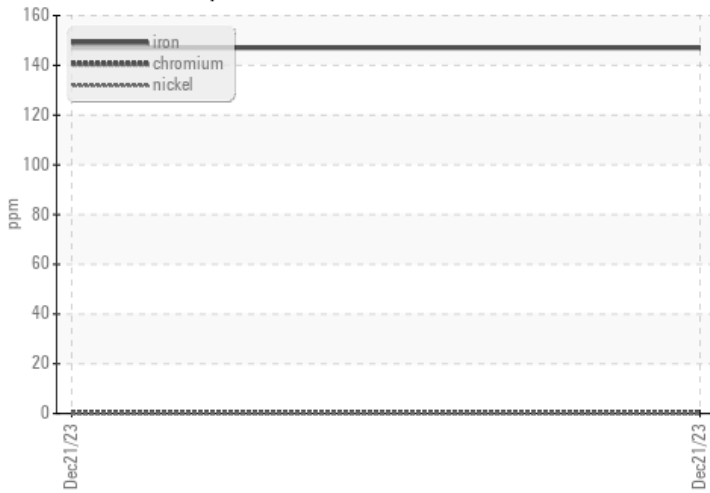
Calcium	ppm	● 120	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 47	---	---	---
Phosphorus	ppm	● 1433	---	---	---
Barium	ppm	● 1	---	---	---
Boron	ppm	● 5	---	---	---

Depot: PCAINT  
Unique No: 10844584  
Signed: Wes Davis  
Report Date: 23 Jan 2024

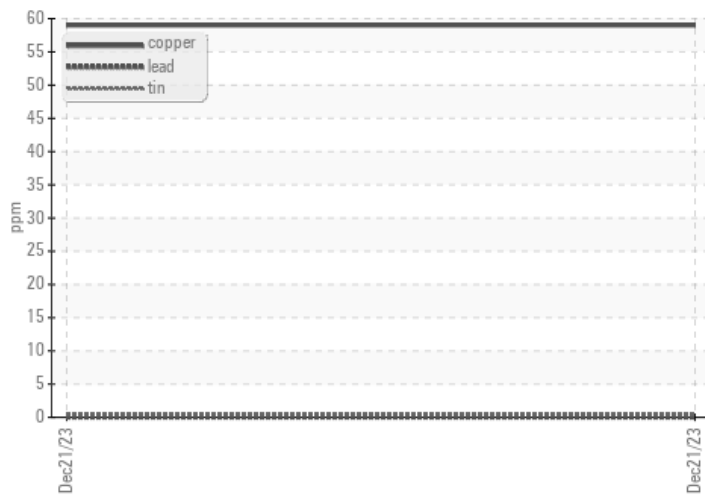


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

