

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 077007-1203 - Rear Right Wheel Hub

Sample No: LH0272546

Oil Type: GEAR OIL LS 80W90



**AMERICAN STATE EQUIPMENT CO.**  
 2400 NORTH 14TH AVENUE  
 WAUSAU, WI  
 US 54401  
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#### SAMPLE INFORMATION

Sample Number	LH0272546	---	---	---
Sample Date	28 Nov 2023	---	---	---
Machine Hours	20037	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 119	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 5	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 0	---	---	---



#### WEAR METALS

Iron	ppm	● 60	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 53	---	---	---
Magnesium	ppm	● 7	---	---	---
Zinc	ppm	● 24	---	---	---
Phosphorus	ppm	● 759	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	11	---	---	---

#### Diagnosis

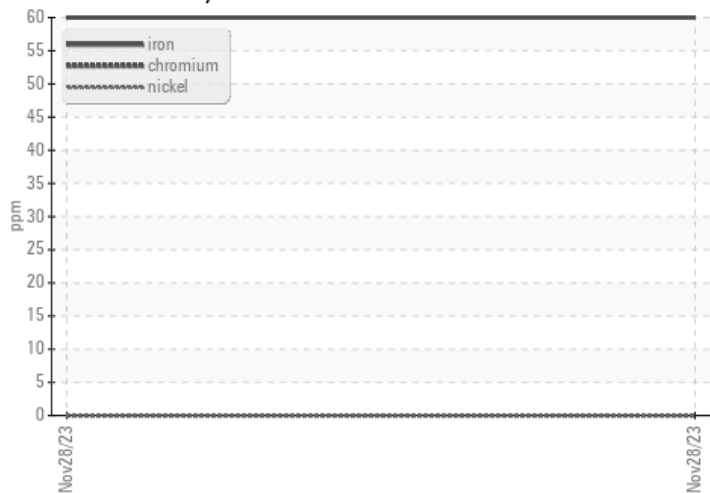
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008  
 Unique No: 10782727  
 Signed: Sean Felton  
 Report Date: 15 Dec 2023

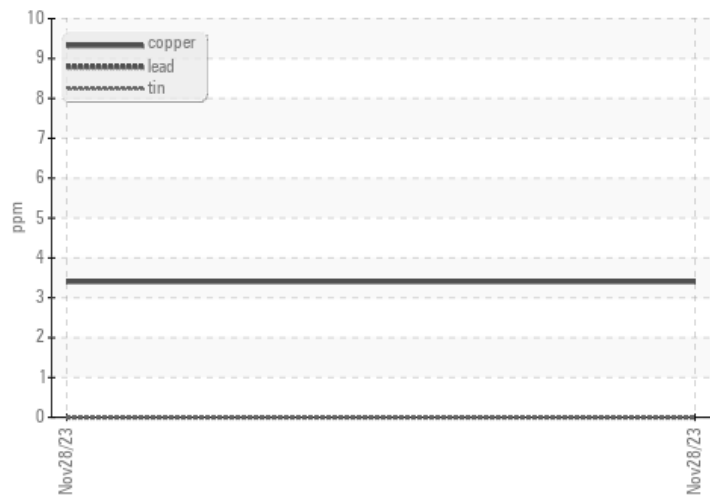


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

