

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 TIMBER 1474-138132 - Rear Axle

Sample No: LH0267628

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD  
 RALEIGH, NC  
 US 27603  
 Contact: TAYLOR BLALOCK  
 taylor.blalock@liebherr.com  
 T: (757)718-0491  
 F: (919)329-0084



#### SAMPLE INFORMATION

Sample Number	LH0267628	---	---	---
Sample Date	14 Mar 2024	---	---	---
Machine Hours	3100	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 185	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 8	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● <1	---	---	---



#### WEAR METALS

Iron	ppm	● 160	---	---	---
Copper	ppm	● 25	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 5	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 19	---	---	---
Phosphorus	ppm	● 1117	---	---	---
Barium	ppm	● 372	---	---	---
Boron	ppm	● <1	---	---	---

#### Diagnosis

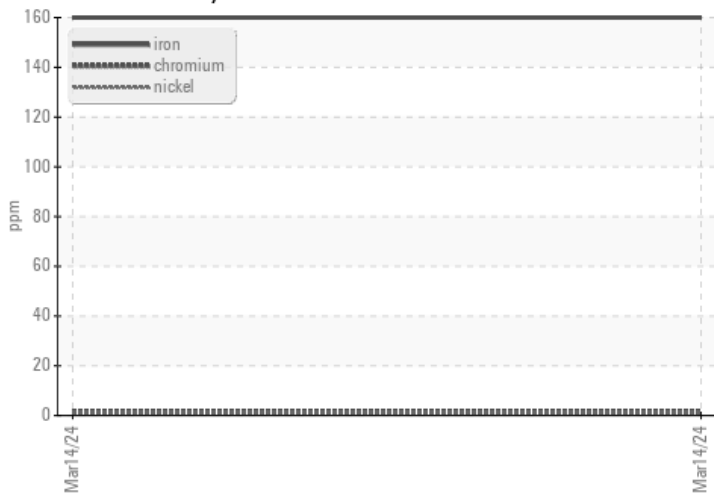
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRNC  
 Unique No: 10928651  
 Signed: Sean Felton  
 Report Date: 19 Mar 2024

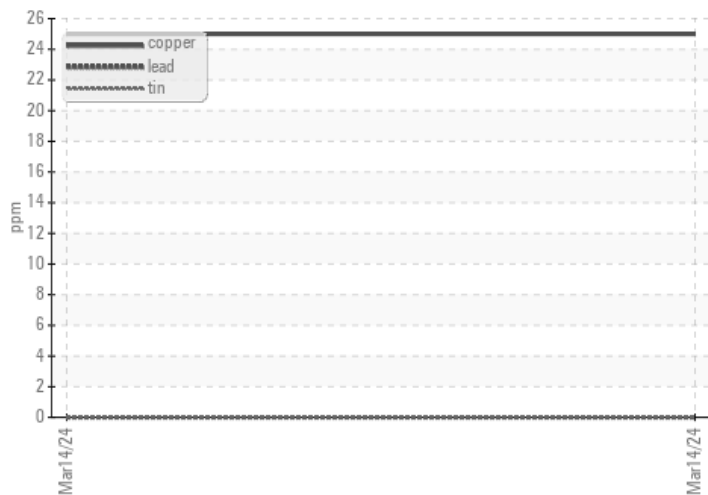


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

