

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH40M Liebherr LH40M (S/N 1215-98205) - Rear Left Filter

Sample No: LH0267606

Oil Type: LIEBHERR GEAR BASIC 90 LS



**LIEBHERR EQUIPMENT SOURCE**  
 8200 FAYETTEVILLE ROAD  
 RALEIGH, NC  
 US 27603  
 Contact: SHERWOOD LUCAS  
 sherwood.lucas@liebherr.com  
 T:  
 F: (919)329-0084



#### Sample Information

Sample Number	LH0267606	---	---	---
Sample Date	19 Jun 2024	---	---	---
Machine Hours	12027	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### Oil Condition

Visc @ 40°C	cSt	● 178	---	---	---
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#### Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 2	---	---	---



#### Wear Metals

Iron	ppm	● 84	---	---	---
Copper	ppm	● 9	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	<1	---	---	---



#### Additives

Calcium	ppm	16	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 15	---	---	---
Phosphorus	ppm	● 2539	---	---	---
Barium	ppm	● 1	---	---	---
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.

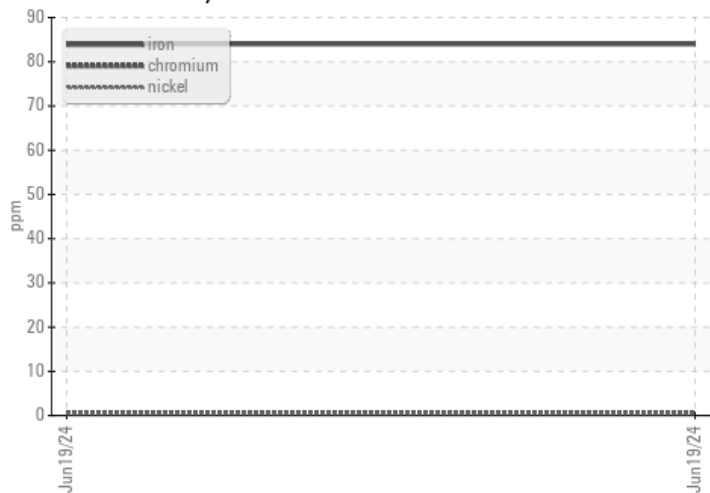
Depot: LIEBHERRNC  
 Unique No: 11096837  
 Signed: Sean Felton  
 Report Date: 26 Jun 2024

Submitted By: SHERWOOD LUCAS

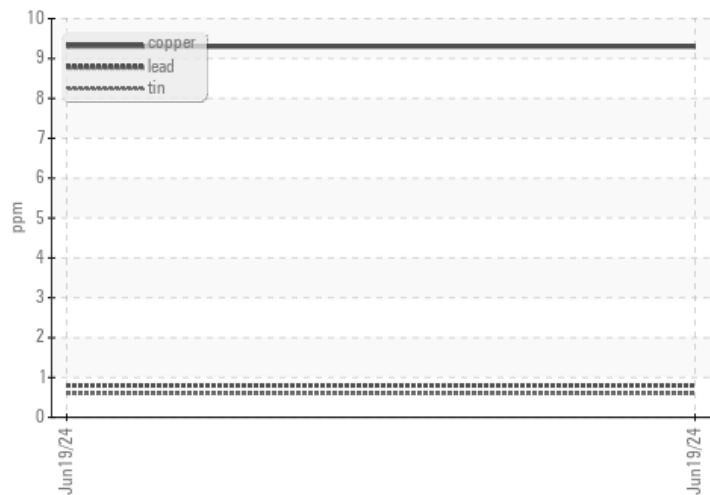


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

