

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR TA230 40305 (S/N 149809-1513) - Rear Rear Axle

Sample No: LH0264572

Oil Type: LIEBHERR GEAR BASIC 90 LS



**LIEBHERR EQUIPMENT SOURCE**  
 8200 FAYETTEVILLE ROAD  
 RALEIGH, NC  
 US 27603  
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 T: (757)718-0491  
 F: (919)329-0084



#### Sample Information

Sample Number	LH0264572	---	---	---
Sample Date	01 Apr 2024	---	---	---
Machine Hours	650	---	---	---
Oil Hours	650	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---



#### Oil Condition

Visc @ 40°C	cSt	64.8	---	---	---
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#### Contamination

Water	%	NEG	---	---	---
Silicon	ppm	15	---	---	---
Sodium	ppm	24	---	---	---
Potassium	ppm	0	---	---	---



#### Wear Metals

Iron	ppm	149	---	---	---
Copper	ppm	45	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	3	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	7	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	24	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	3402	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	1421	---	---	---
Phosphorus	ppm	1232	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	110	---	---	---

#### 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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

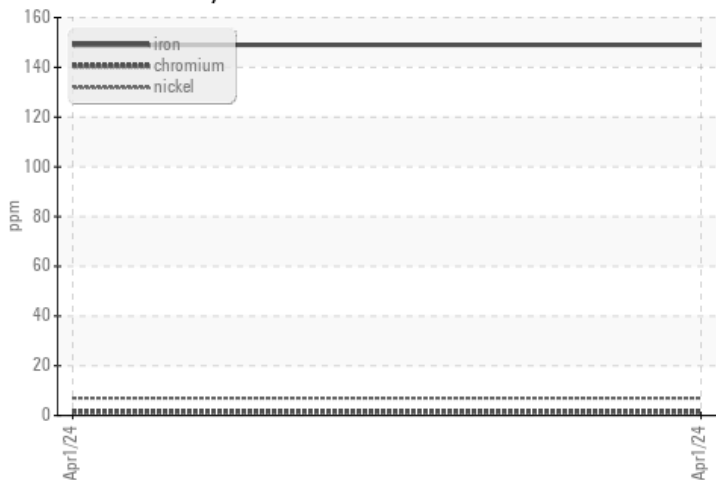
Depot: LIEBHERRNC  
 Unique No: 10957217  
 Signed: Sean Felton  
 Report Date: 05 Apr 2024

Submitted By: TAYLOR BLALOCK

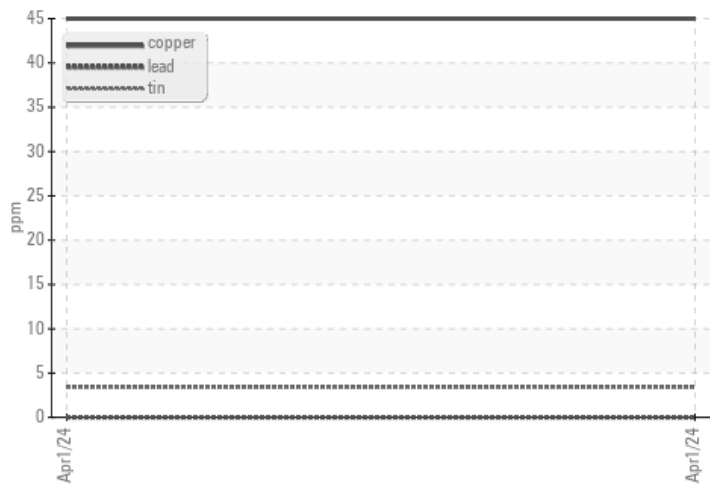


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### ● Viscosity @ 40°C

