

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LTM1090-4.2 089274 - Slewing Gearbox

Sample No: LH0258654

Oil Type: LIEBHERR GEAR PG 220



#### Sample Information

Sample Number	LH0258654	---	---	---
Sample Date	28 May 2024	---	---	---
Machine Hours	20437	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES  
 4800 CHESTNUT AVENUE  
 NEWPORT NEWS, VA  
 US 23607  
 Contact: CHRIS JONES  
 chris.jones@liebherr.com  
 T: (757)245-5251  
 F:



#### Oil Condition

Visc @ 40°C	cSt	● 228	---	---	---
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#### Contamination

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

#### 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	● 20	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 2	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	<1	---	---	---



#### Additives

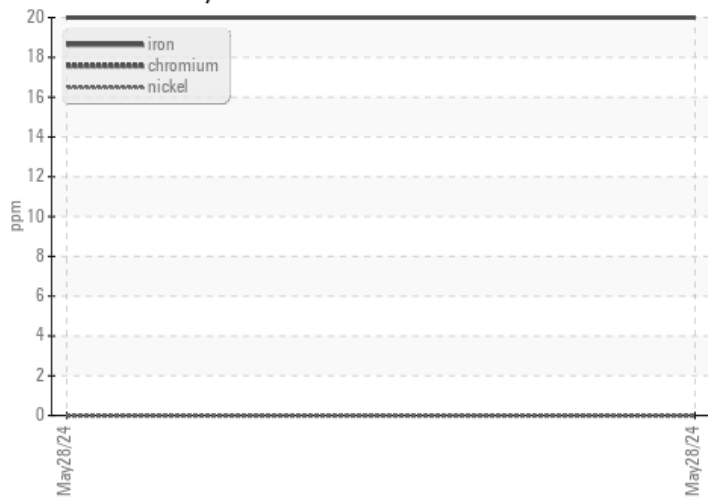
Calcium	ppm	● 9	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 12	---	---	---
Phosphorus	ppm	● 69	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 4	---	---	---

Depot: LIENEW  
 Unique No: 11062990  
 Signed: Don Baldrige  
 Report Date: 08 Jun 2024

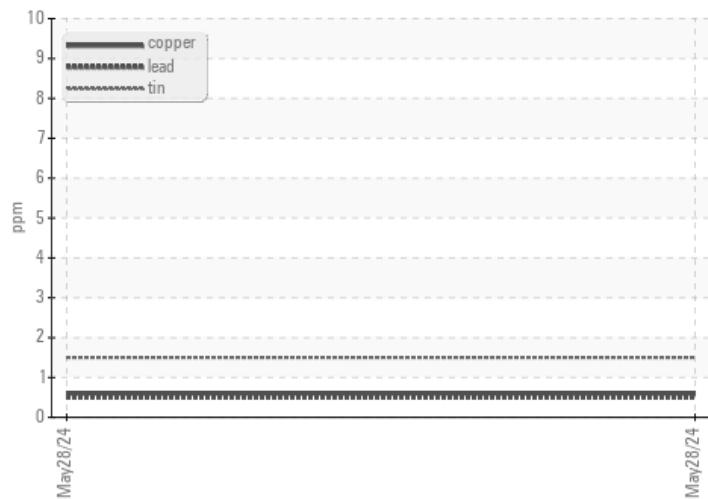


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

