

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LTM1250-5.1088721- Lower Distribution Gear

Sample No: LH0259134

Oil Type: LIEBHERR GEAR PG 220



#### SAMPLE INFORMATION

Sample Number	LH0259134	---	---	---
Sample Date	25 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES  
 4100 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	● 101	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 15	---	---	---
Sodium	ppm	● 6	---	---	---
Potassium	ppm	● 5	---	---	---



#### WEAR METALS

Iron	ppm	● 66	---	---	---
Copper	ppm	● 1849	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● 147	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	<1	---	---	---



#### ADDITIVES

Calcium	ppm	● 30	---	---	---
Magnesium	ppm	● 719	---	---	---
Zinc	ppm	● 28	---	---	---
Phosphorus	ppm	● 1568	---	---	---
Barium	ppm	● 9	---	---	---
Boron	ppm	● 426	---	---	---

#### Diagnosis

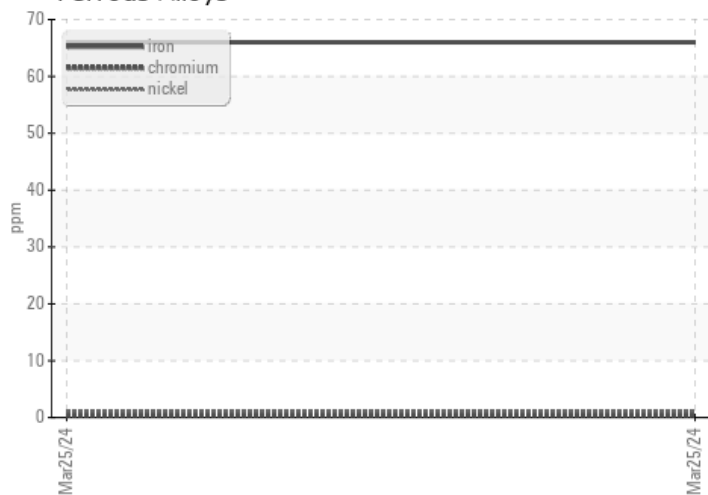
The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LIENEW  
 Unique No: 10943003  
 Signed: Jonathan Hester  
 Report Date: 28 Mar 2024

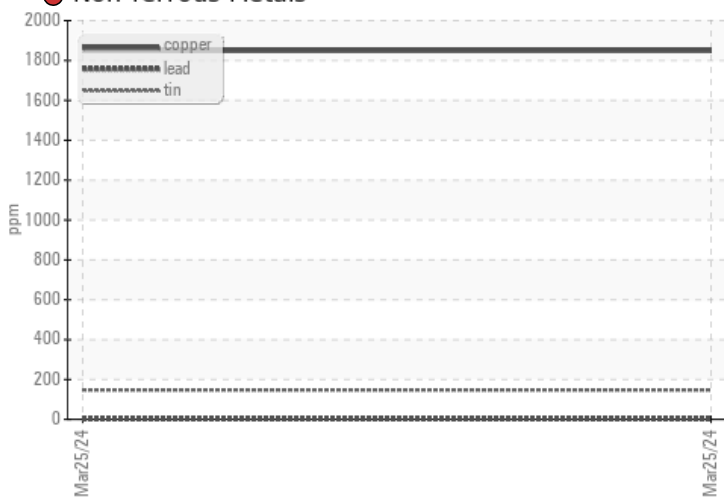


### GRAPHS

#### Ferrous Alloys



#### ● Non-ferrous Metals



#### Viscosity @ 40°C

