

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LTM1070-4.2 060759 - 4 Differential

Sample No: LH0259066

Oil Type: EP 90



#### SAMPLE INFORMATION

Sample Number	LH0259066	---	---	---
Sample Date	23 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES  
 4100 CHESTNUT AVENUE  
 NEWPORT NEWS, VA  
 US 23607  
 Contact: TERENCE VANDERLENDE  
 TERENCE.VANDERLENDE@LIEBHERR.COM  
 T:  
 F:



#### OIL CONDITION

Visc @ 40°C	cSt	● 197	---	---	---
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#### CONTAMINATION

Water	%	● 0.315	---	---	---
Silicon	ppm	● 15	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 0	---	---	---



#### WEAR METALS

Iron	ppm	● 237	---	---	---
Copper	ppm	● 107	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 8	---	---	---
Vanadium	ppm	● 0	---	---	---



#### ADDITIVES

Calcium	ppm	● 15	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 76	---	---	---
Phosphorus	ppm	● 1173	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 2	---	---	---

#### Diagnosis

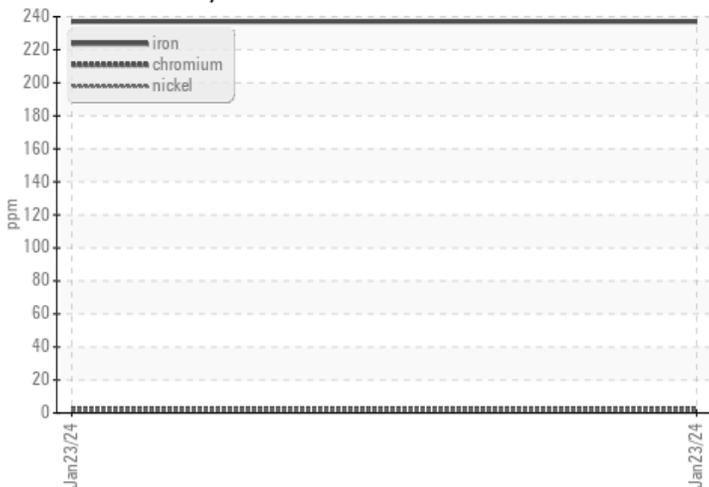
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. All other component wear rates are normal. There is a light concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIENEW  
 Unique No: 10847920  
 Signed: Don Baldrige  
 Report Date: 29 Jan 2024

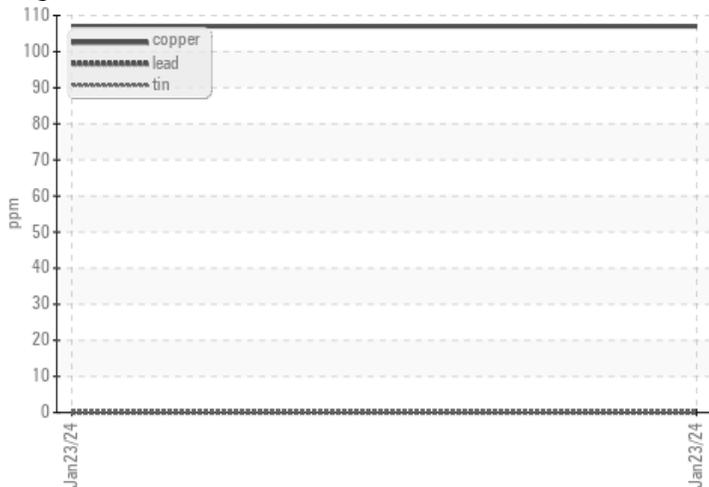


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

