

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LTM1070-4.2 060759 - Gearbox

Sample No: LH0259052

Oil Type: EP 90



#### SAMPLE INFORMATION

Sample Number	LH0259052	---	---	---
Sample Date	23 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ATTENTION	---	---	---

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	● 47.9	---	---	---
-------------	-----	--------	-----	-----	-----



#### CONTAMINATION

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



#### WEAR METALS

Iron	ppm	● 31	---	---	---
Copper	ppm	● 14	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	634	---	---	---
Magnesium	ppm	0	---	---	---
Zinc	ppm	10	---	---	---
Phosphorus	ppm	490	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	5	---	---	---

#### Diagnosis

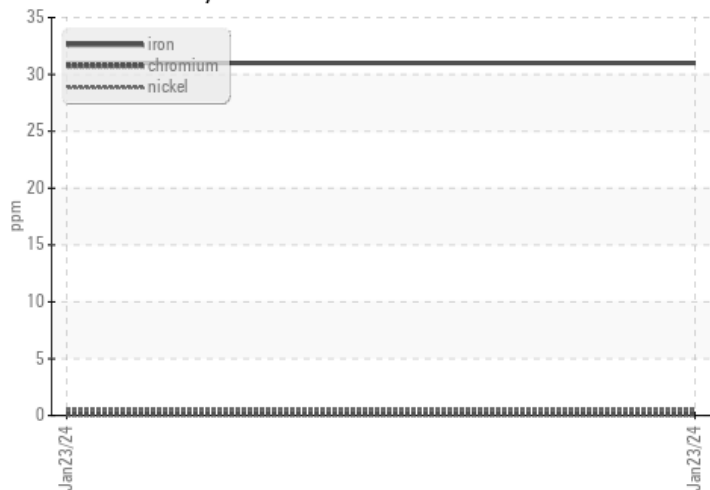
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Confirm oil type.

Depot: LIENEW  
 Unique No: 10847919  
 Signed: Don Baldrige  
 Report Date: 29 Jan 2024

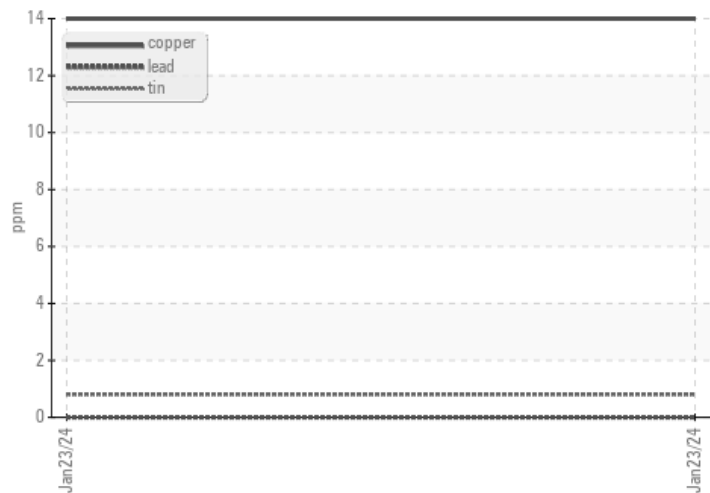


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### ● Viscosity @ 40°C

