

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LR636 020166-1275 - Right Final Drive

Sample No: LH0244575

Oil Type: LIEBHERR HYPOID 85W-140 EP



#### SAMPLE INFORMATION

Sample Number	LH0244575	LH0257478	---	---
Sample Date	10 Jan 2024	22 May 2023	---	---
Machine Hours	1535	914	---	---
Oil Hours	622	500	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ABNORMAL	NORMAL	---	---

#### LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD  
 RALEIGH, NC  
 US 27603  
 Contact: Timothy Bailey  
 timothy.bailey@liebherr.com  
 T:  
 F: (919)329-0084



#### OIL CONDITION

Visc @ 40°C	cSt	321	324	---	---
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#### CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	3	3	---	---
Sodium	ppm	<1	6	---	---
Potassium	ppm	4	2	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. The copper level is abnormal. All other 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	71	44	---	---
Copper	ppm	76	46	---	---
Lead	ppm	<1	<1	---	---
Tin	ppm	3	2	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

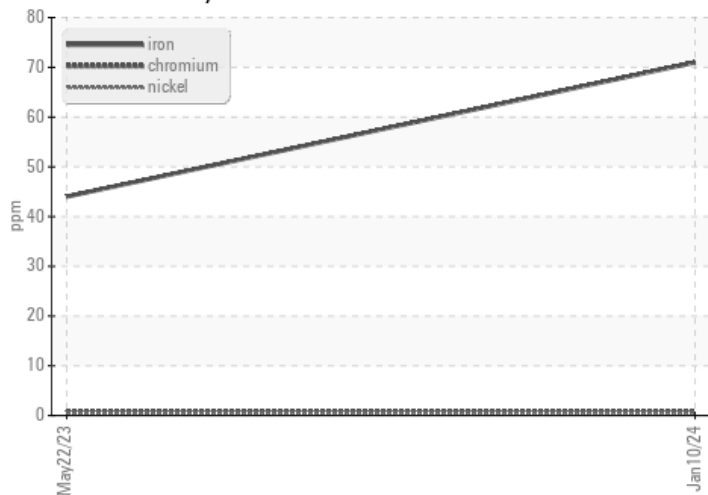
Calcium	ppm	32	178	---	---
Magnesium	ppm	1	10	---	---
Zinc	ppm	43	102	---	---
Phosphorus	ppm	1221	1106	---	---
Barium	ppm	59	54	---	---
Boron	ppm	<1	7	---	---

Depot: LIEBHERRNC  
 Unique No: 10831022  
 Signed: Jonathan Hester  
 Report Date: 16 Jan 2024

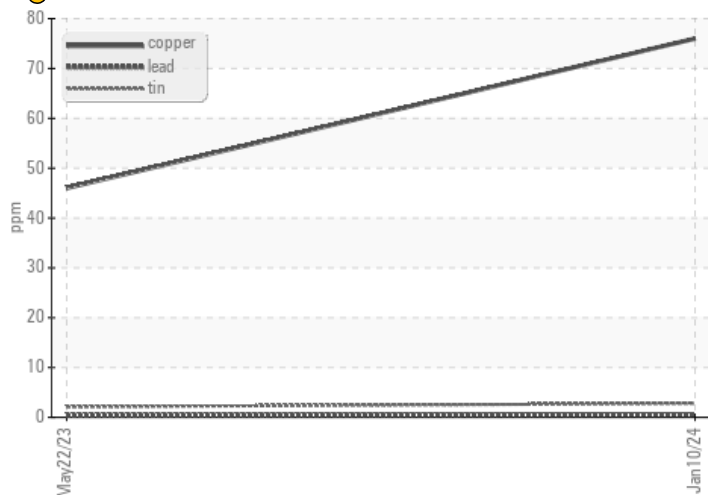


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

