

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 Timber 136525-1474 - Hydraulic System

Sample No: LH0268714

Oil Type: LIEBHERR HYDRAULIC HVI



**LIEBHERR EQUIPMENT SOURCE**  
 8200 FAYETTEVILLE ROAD  
 RALEIGH, NC  
 US 27603  
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 taylor.blalock@liebherr.com  
 T: (757)718-0491  
 F: (919)329-0084



#### SAMPLE INFORMATION

Sample Number	LH0268714	---	---	---
Sample Date	07 Mar 2024	---	---	---
Machine Hours	3600	---	---	---
Oil Hours	3600	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	42.4	---	---	---
Acid Number (AN)	mg KOH/g	0.96	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		5753	---	---	---
Particles >6µm		1053	---	---	---
Particles >14µm		77	---	---	---
ISO 4406:1999 (c)		20/17/13	---	---	---
Silicon	ppm	2	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	<1	---	---	---



#### WEAR METALS

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



#### ADDITIVES

Calcium	ppm	1046	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	631	---	---	---
Phosphorus	ppm	540	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

#### Diagnosis

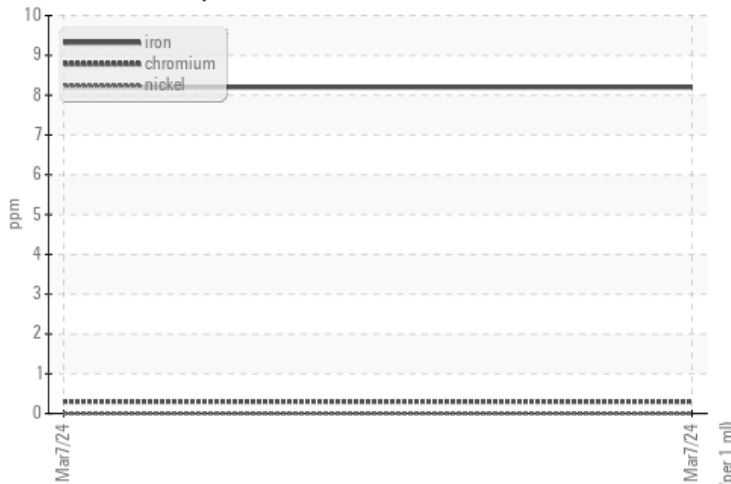
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

**Depot:** LIEBHERRNC  
**Unique No:** 10917020  
**Signed:** Wes Davis  
**Report Date:** 11 Mar 2024

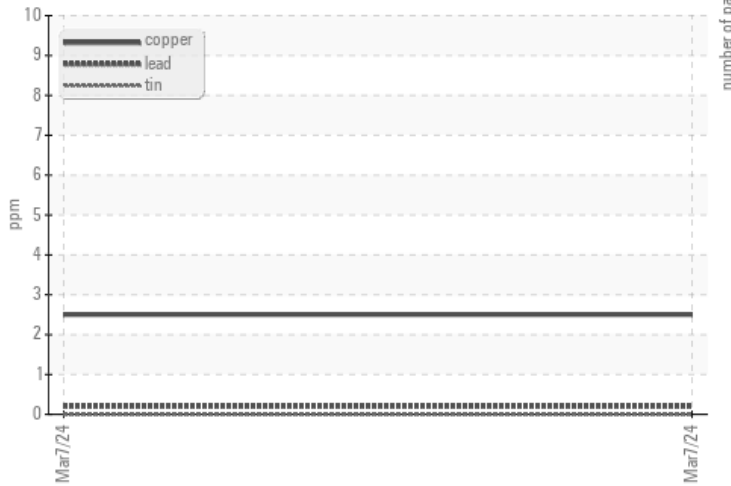


### GRAPHS

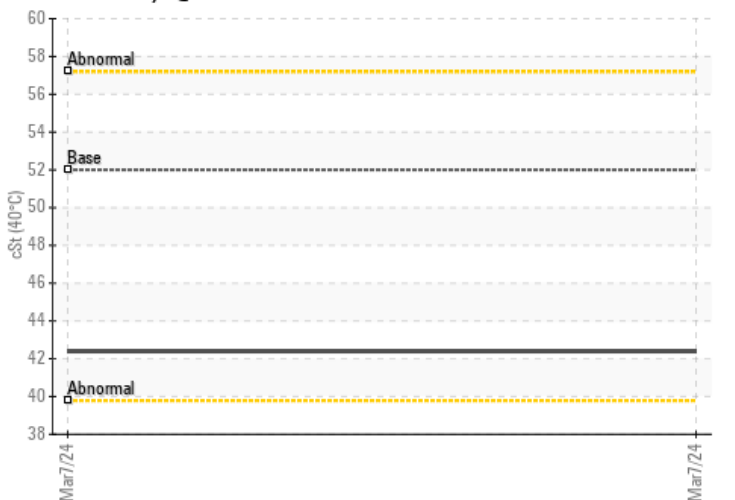
#### Ferrous Alloys



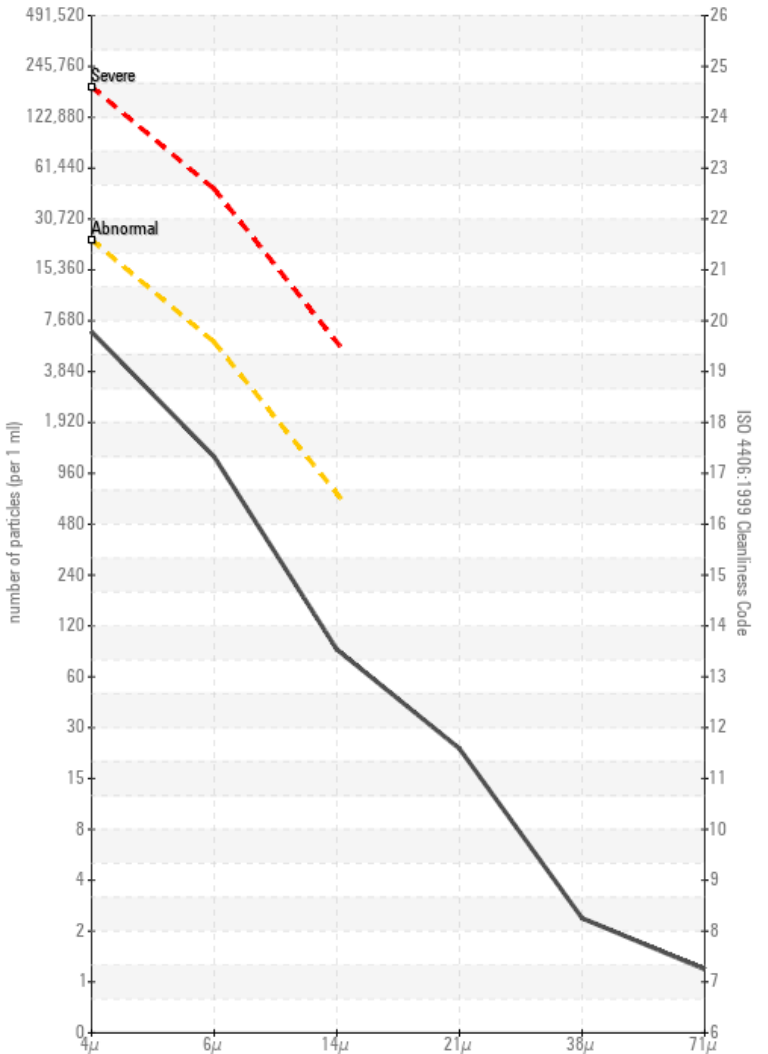
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count



#### Acid Number

