

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 Timber 136525-1474 - Swing Drive

Sample No: LH0268712

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD

RALEIGH, NC

US 27603

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SAMPLE INFORMATION

Sample Number	LH0268712	---	---	---
Sample Date	07 Mar 2024	---	---	---
Machine Hours	3600	---	---	---
Oil Hours	1300	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 182	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 0	---	---	---



WEAR METALS

Iron	ppm	● 61	---	---	---
Copper	ppm	● 41	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 46	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 17	---	---	---
Phosphorus	ppm	● 2496	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Diagnosis

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 condition of the oil is acceptable for the time in service.

Depot: LIEBHERRNC

Unique No: 10922592

Signed: Sean Felton

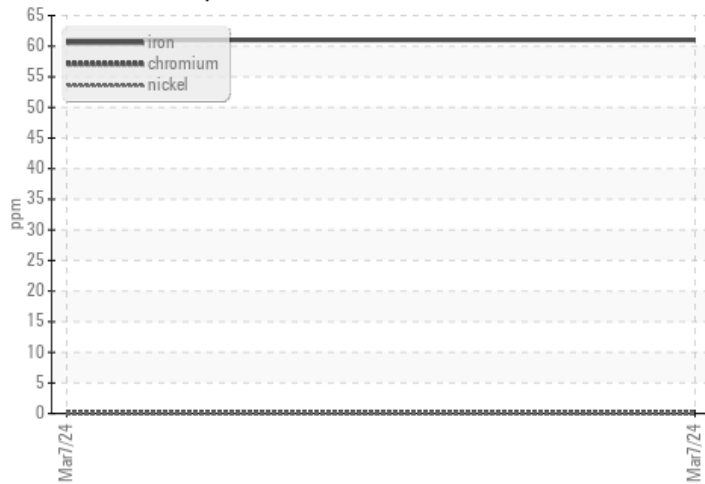
Report Date: 12 Mar 2024

Submitted By: TAYLOR BLALOCK

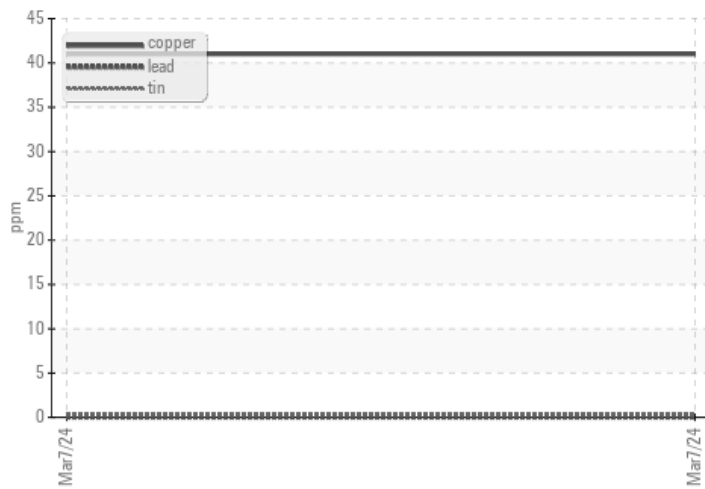


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

