

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 TIMBER 1474-138132 - Rear Right Wheel Hub

Sample No: LH0267623

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR EQUIPMENT SOURCE
 8200 FAYETTEVILLE ROAD
 RALEIGH, NC
 US 27603
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 F: (919)329-0084



SAMPLE INFORMATION

Sample Number	LH0267623	---	---	---
Sample Date	14 Mar 2024	---	---	---
Machine Hours	3100	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 192	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 8	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 1	---	---	---



WEAR METALS

Iron	ppm	● 722	---	---	---
Copper	ppm	● 68	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● 5	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 12	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 21	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 90	---	---	---
Phosphorus	ppm	● 1137	---	---	---
Barium	ppm	● 353	---	---	---
Boron	ppm	● <1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

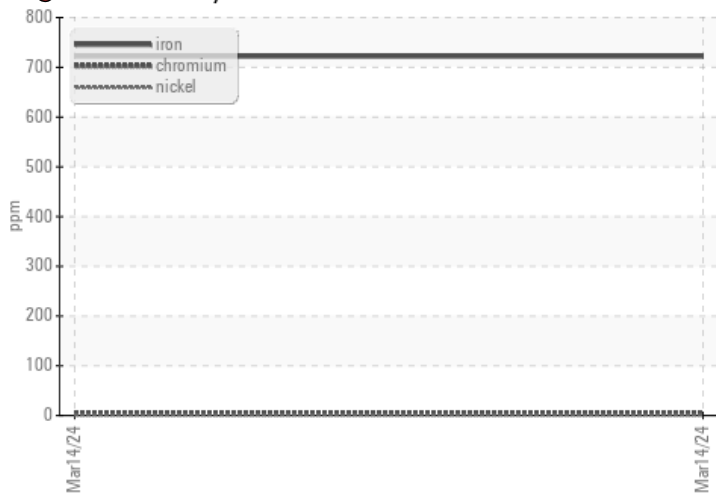
Depot: LIEBHERRNC
 Unique No: 10928644
 Signed: Sean Felton
 Report Date: 19 Mar 2024

Submitted By: TAYLOR BLALOCK

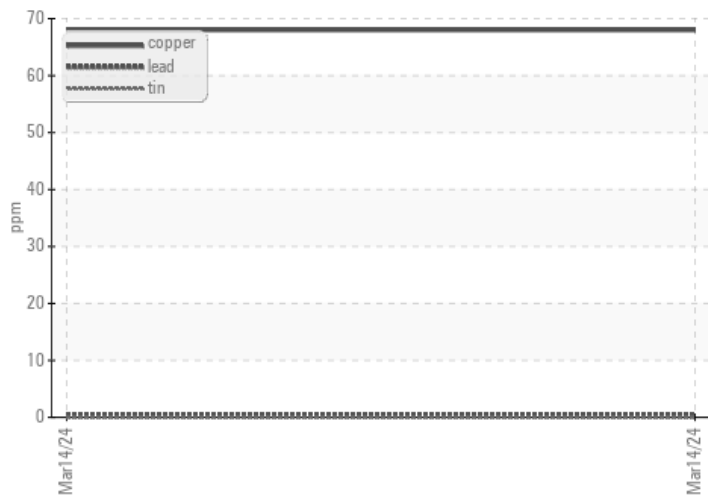


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

