

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 Timber 136525-1474 - Front Left Wheel Hub

Sample No: LH0268717

Oil Type: LIEBHERR GEAR BASIC 90 LS



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



SAMPLE INFORMATION

Sample Number	LH0268717	---	---	---
Sample Date	07 Mar 2024	---	---	---
Machine Hours	3600	---	---	---
Oil Hours	1300	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 187	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 7	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 0	---	---	---



WEAR METALS

Iron	ppm	● 414	---	---	---
Copper	ppm	● 35	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 6	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 0	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 14	---	---	---
Phosphorus	ppm	● 1808	---	---	---
Barium	ppm	178	---	---	---
Boron	ppm	● 0	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

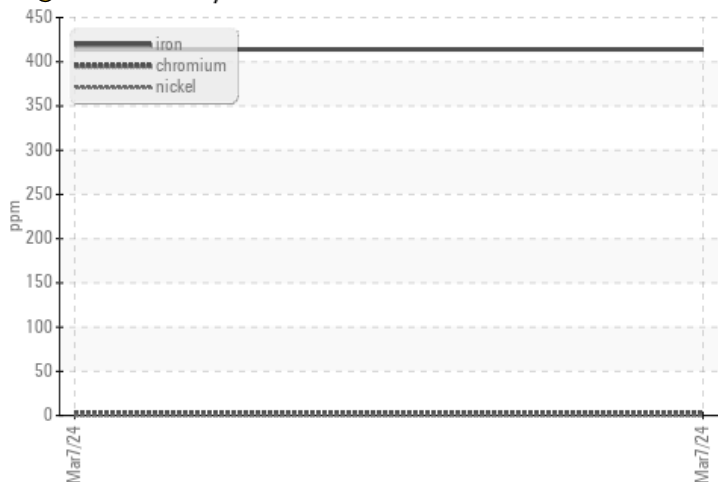
Depot: LIEBHERRNC
 Unique No: 10917249
 Signed: Sean Felton
 Report Date: 12 Mar 2024

Submitted By: TAYLOR BLALOCK

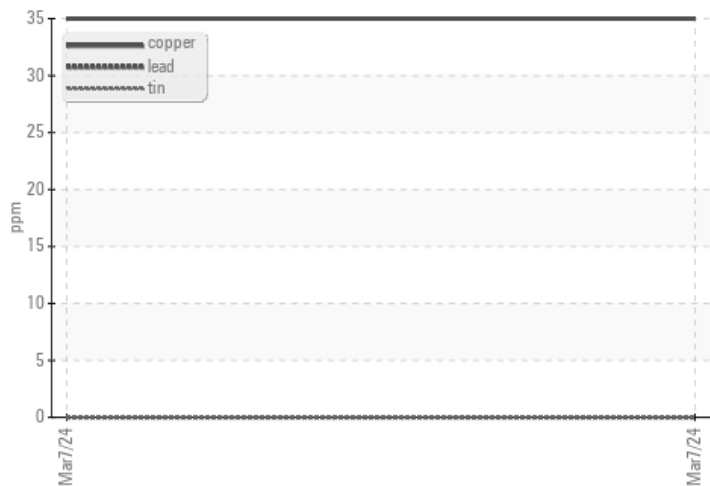


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

