

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R9150BH 038164-1956 - Hydraulic System

Sample No: LH0268815

Oil Type: {unknown}



#### SAMPLE INFORMATION

Sample Number	LH0268815	---	---	---
Sample Date	31 Oct 2023	---	---	---
Machine Hours	2001	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

FINKBINER EQUIPMENT CO.

15 W 400 N FRONTAGE RD

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US 60527

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#### OIL CONDITION

Visc @ 40°C	cSt	46.8	---	---	---
Acid Number (AN)	mg KOH/g	0.07	---	---	---



#### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		106576	---	---	---
Particles >6µm		24574	---	---	---
Particles >14µm		92	---	---	---
ISO 4406:1999 (c)		24/22/14	---	---	---
Silicon	ppm	6	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	2	---	---	---

#### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



#### WEAR METALS

Iron	ppm	20	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	0	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	3	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	290	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	133	---	---	---
Phosphorus	ppm	313	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	37	---	---	---

Depot: LEC0033

Unique No: 10875558

Signed: Don Baldrige

Report Date: 15 Feb 2024



### GRAPHS

