

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L550 73936 - Hydraulic System

Sample No: LH0274636

Oil Type: NOT GIVEN

#### LIEBHERR CANADA LTD.

1015 SUTTON DRIVE

BURLINGTON, ON

CA L7L 5Z8

Contact: Joseph Rodgers

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#### Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you check for visible metal particles in the oil. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. **DISCLAIMER:** Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified. Light concentration of visible metal present. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. Light concentration of visible dirt/debris present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



## SAMPLE INFORMATION

Sample Number		LH0274636	---	---	---
Sample Date		16 Aug 2023	---	---	---
Machine Hours		530	---	---	---
Oil Hours		0	---	---	---
Oil Changed		Not Changd	---	---	---
Sample Status		ABNORMAL	---	---	---



## OIL CONDITION

Visc @ 40°C	cSt	● 46.0	---	---	---
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## CONTAMINATION

Particles >4µm		● 69248	---	---	---
Particles >6µm		● 22722	---	---	---
Particles >14µm		● 2407	---	---	---
ISO 4406:1999 (c)		23/22/18	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● <1	---	---	---



## WEAR METALS

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



## ADDITIVES

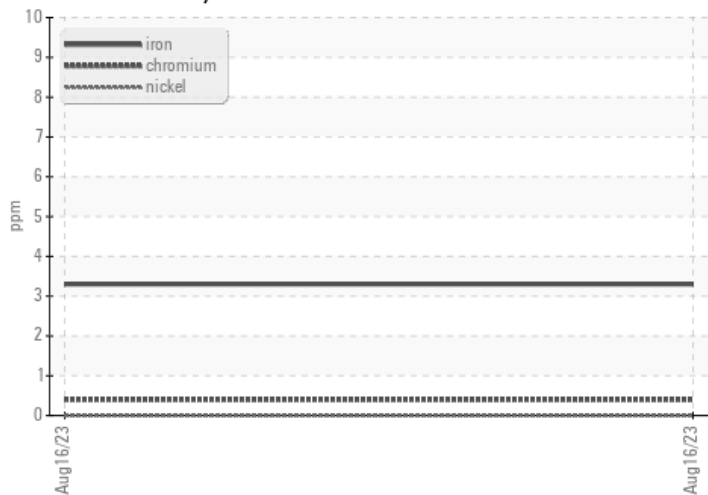
Calcium	ppm	1391	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	702	---	---	---
Phosphorus	ppm	665	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

Depot: LIEMIS  
 Unique No: 5629527  
 Signed: Kevin Marson  
 Report Date: 18 Aug 2023

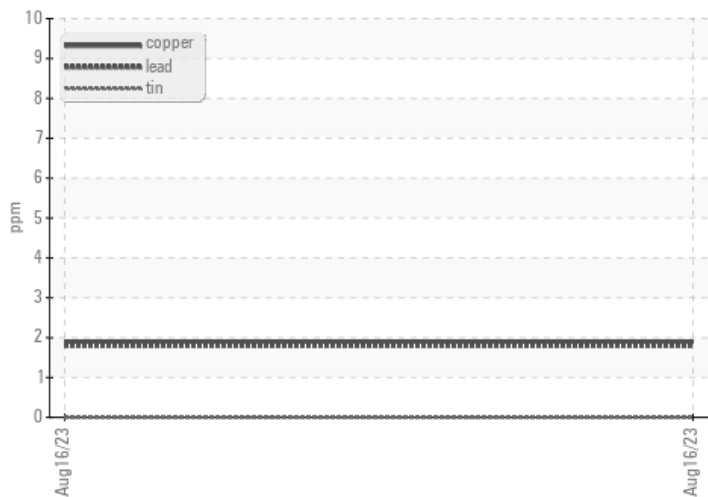


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



Particle Filter (Magn: 100 x)

