

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R920 056505-1705 - Hydraulic System

Sample No: LH0269680

Oil Type: LIEBHERR HYDRAULIC HVI



**HAYSHAKERS BOBCAT SERVICES**  
 501 761 HWY  
 LESLIEVILLE, AB  
 CA T0M 1H0  
 Contact: Service Manager



#### SAMPLE INFORMATION

Sample Number	LH0269680	---	---	---
Sample Date	08 Feb 2024	---	---	---
Machine Hours	528	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 42.1	---	---	---
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T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 5991	---	---	---
Particles >6µm		● 2012	---	---	---
Particles >14µm		● 235	---	---	---
ISO 4406:1999 (c)		20/18/15	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 1	---	---	---

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	● 5	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● 1	---	---	---
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

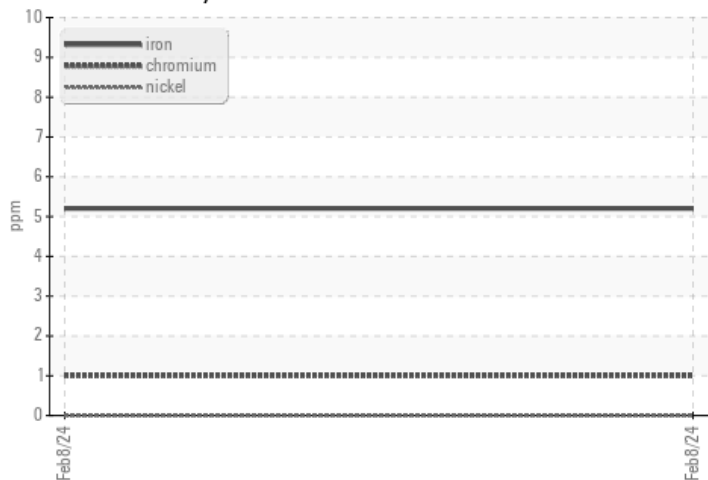
Calcium	ppm	● 1226	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 662	---	---	---
Phosphorus	ppm	● 593	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● <1	---	---	---

**Depot:** HAYLES  
**Unique No:** 5733810  
**Signed:** Wes Davis  
**Report Date:** 21 Feb 2024

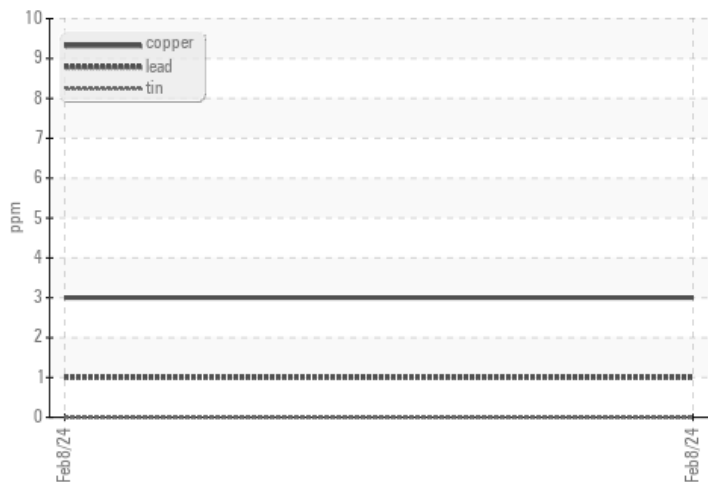


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

