

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(357697)] LIEBHERR PR766 016664-1421 - Hydraulic System

Sample No: LH0194335

Oil Type: LIEBHERR HYDRAULIC HVI



#### Sample Information

Sample Number	LH0194335	---	---	---
Sample Date	06 Sep 2021	---	---	---
Machine Hours	144	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ATTENTION	---	---	---

**HEAVY IRON INC**  
 370145 79 STREET EAST  
 ALDERSYDE, AB  
 CA T0L 0A0  
 Contact: Service Manager



#### Oil Condition

Visc @ 40°C	cSt	● 44.3	---	---	---
-------------	-----	--------	-----	-----	-----

T:  
F:



#### Contamination

Water	%	● 0.038	---	---	---
Particles >4µm		● 24470	---	---	---
Particles >6µm		● 2000	---	---	---
Particles >14µm		● 88	---	---	---
ISO 4406:1999 (c)		22/18/14	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 2	---	---	---
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 light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The condition of the oil is acceptable for the time in service.



#### Wear Metals

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



#### Additives

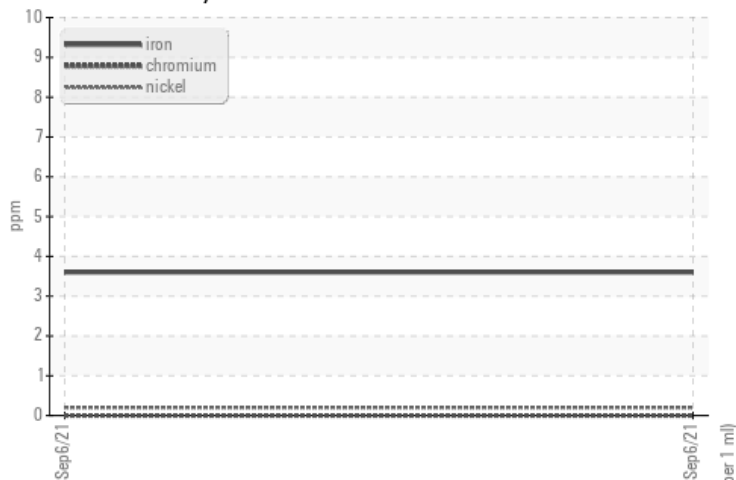
Calcium	ppm	● 1267	---	---	---
Magnesium	ppm	● 7	---	---	---
Zinc	ppm	● 636	---	---	---
Phosphorus	ppm	● 625	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 1	---	---	---

**Depot:** HEAALD  
**Unique No:** 5278133  
**Signed:** Wes Davis  
**Report Date:** 08 Sep 2021

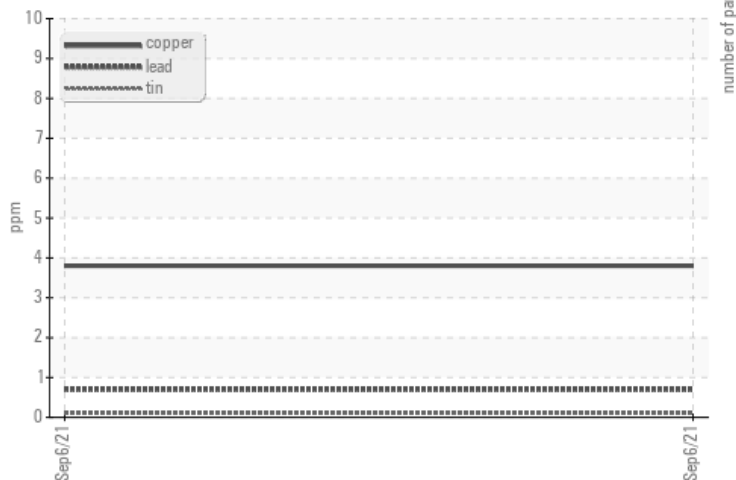


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

