

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A914 128834 - Hydraulic System

Sample No: LH0224805

Oil Type: LIEBHERR HVI 46



**LIEBHERR CANADA LTD.**  
 1015 SUTTON DRIVE  
 BURLINGTON, ON  
 CA L7L 5Z8  
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#### SAMPLE INFORMATION

Sample Number	LH0224805	---	---	---
Sample Date	13 Jul 2022	---	---	---
Machine Hours	504	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 45.6	---	---	---
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#### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 10577	---	---	---
Particles >6µm		● 739	---	---	---
Particles >14µm		● 38	---	---	---
ISO 4406:1999 (c)		21/17/12	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 1	---	---	---
Potassium	ppm	● 2	---	---	---



#### WEAR METALS

Iron	ppm	● 4	---	---	---
Copper	ppm	● 2	---	---	---
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	<1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1308	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	668	---	---	---
Phosphorus	ppm	599	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	<1	---	---	---

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.

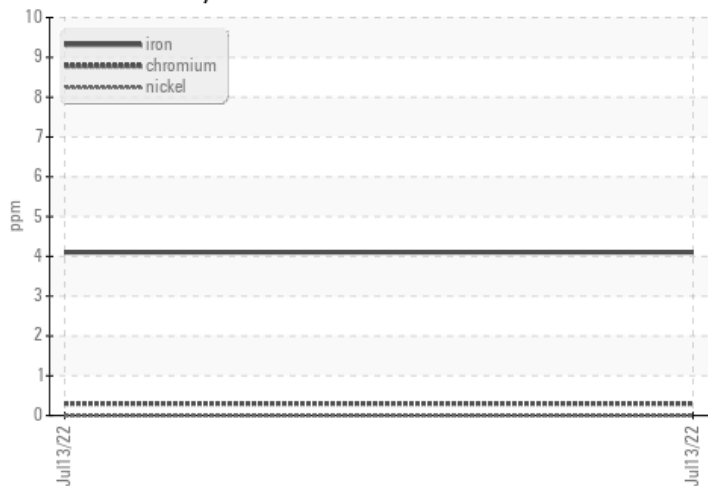
Diagnosis

Depot: LIEMIS  
 Unique No: 5447607  
 Signed: Wes Davis  
 Report Date: 23 Aug 2022

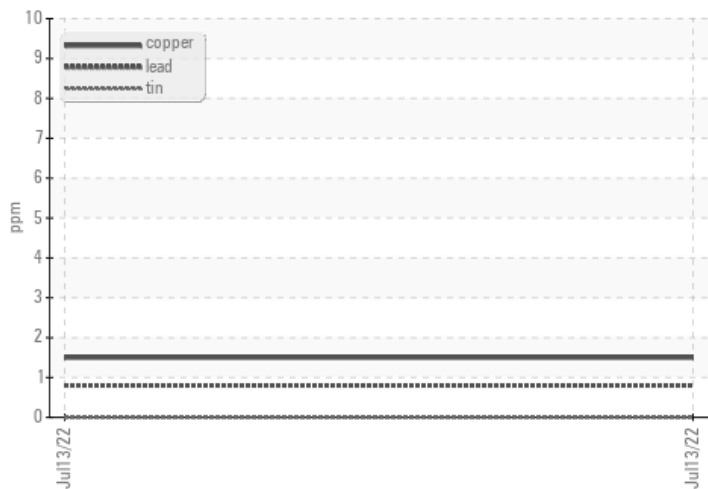


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

