

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30 136880 - Hydraulic System

Sample No: LH0260669

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### Liebherr Canada

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#### SAMPLE INFORMATION

Sample Number	LH0260669	---	---	---
Sample Date	27 Jul 2023	---	---	---
Machine Hours	3965	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 42.6	---	---	---
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#### CONTAMINATION

Particles >4µm		● 201	---	---	---
Particles >6µm		● 47	---	---	---
Particles >14µm		● 4	---	---	---
ISO 4406:1999 (c)		15/13/9	---	---	---
Silicon	ppm	● 1	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● <1	---	---	---



#### WEAR METALS

Iron	ppm	● 21	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 158	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	500	---	---	---
Phosphorus	ppm	420	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● <1	---	---	---

#### Diagnosis

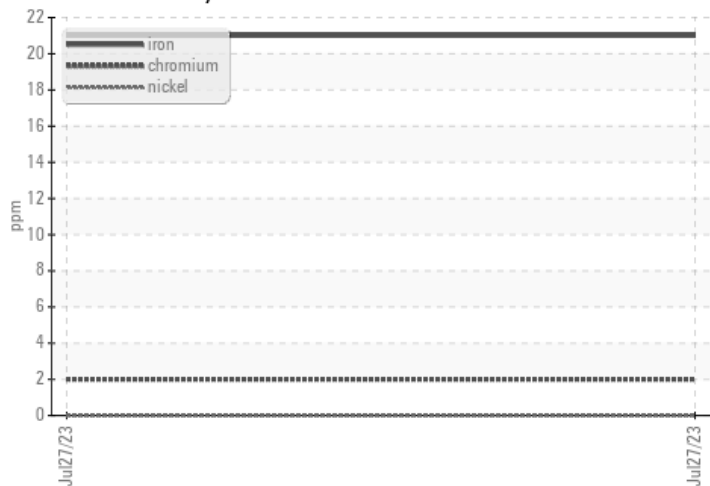
Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot: LIERIC  
 Unique No: 5632446  
 Signed: Wes Davis  
 Report Date: 31 Aug 2023

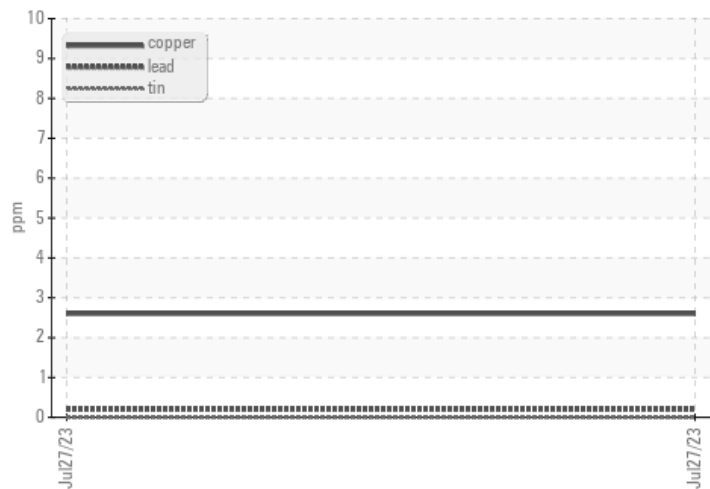


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

