

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R926 55458 - Hydraulic System

Sample No: LH0260431

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH0260431	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	523	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---

#### Liebherr Canada

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#### OIL CONDITION

Visc @ 40°C	cSt	● 44.2	---	---	---
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#### CONTAMINATION

Particles >4µm		● 4005	---	---	---
Particles >6µm		● 581	---	---	---
Particles >14µm		● 40	---	---	---
ISO 4406:1999 (c)		19/16/12	---	---	---
Silicon	ppm	● 5	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● <1	---	---	---



#### WEAR METALS

Iron	ppm	● 14	---	---	---
Copper	ppm	● 4	---	---	---
Lead	ppm	● 2	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	1337	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 717	---	---	---
Phosphorus	ppm	● 673	---	---	---
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: 5632413

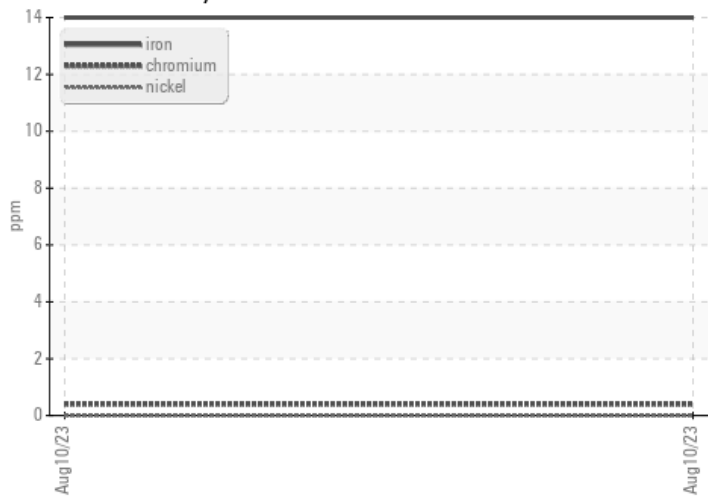
Signed: Kevin Marson

Report Date: 31 Aug 2023

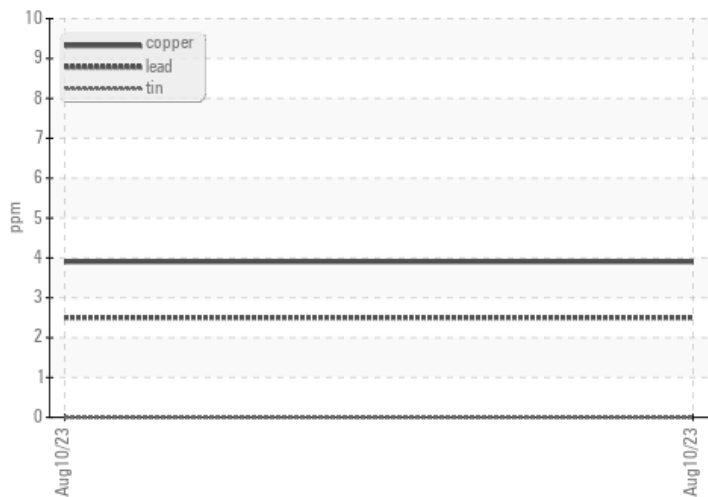


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

