

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A934CMH71007 - Hydraulic System

Sample No: LH0250514

Oil Type: PETRO CANADA HYDREX MV 46



**Schnitzer Steel Canada Ltd.**  
 12195 Musqueam Dr.  
 Surrey, BC  
 CA V3V 3T2  
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#### SAMPLE INFORMATION

Sample Number	LH0250514	---	---	---
Sample Date	23 Aug 2023	---	---	---
Machine Hours	24638	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 41.0	---	---	---
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#### CONTAMINATION

Particles >4µm		● 2491	---	---	---
Particles >6µm		● 115	---	---	---
Particles >14µm		● 7	---	---	---
ISO 4406:1999 (c)		18/14/10	---	---	---
Silicon	ppm	● <1	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 0	---	---	---



#### WEAR METALS

Iron	ppm	● 8	---	---	---
Copper	ppm	● 1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	● 0	---	---	---



#### ADDITIVES

Calcium	ppm	● 53	---	---	---
Magnesium	ppm	● 6	---	---	---
Zinc	ppm	● 30	---	---	---
Phosphorus	ppm	● 635	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● <1	---	---	---

#### Diagnosis

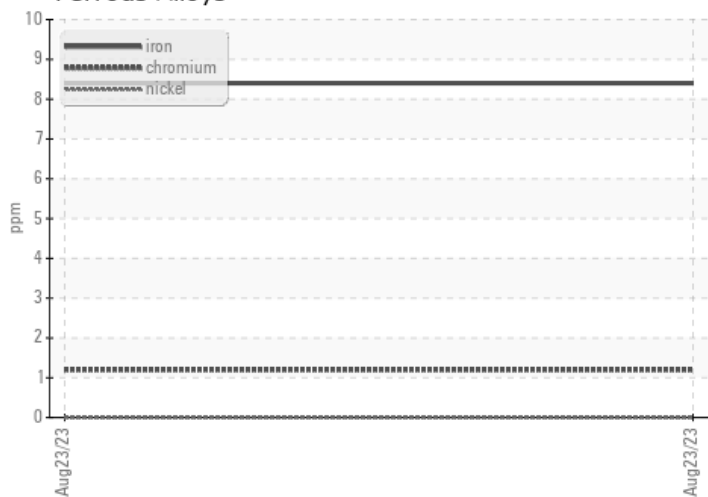
Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

**Depot:** AMISUR  
**Unique No:** 5642023  
**Signed:** Wes Davis  
**Report Date:** 08 Sep 2023

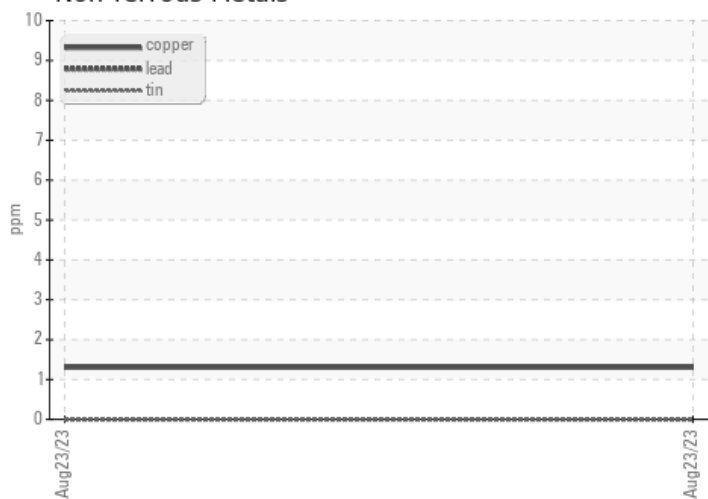


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

