

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R914 056971-1511 - Hydraulic System

Sample No: LH0284025

Oil Type: PETRO CANADA HYDREX XV ALL SEASON HYDRAULIC OIL



#### SAMPLE INFORMATION

Sample Number	LH0284025	---	---	---
Sample Date	14 Feb 2024	---	---	---
Machine Hours	480	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

**WEKA HOLDINGS LTD**  
 2754 WOODLAND DRIVE  
 VANCOUVER, BC  
 CA V5N 3P8  
 Contact: Cam Turtle



#### OIL CONDITION

Visc @ 40°C	cSt	● 43.9	---	---	---
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T:  
F:



#### CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		● 40446	---	---	---
Particles >6µm		● 6083	---	---	---
Particles >14µm		● 402	---	---	---
ISO 4406:1999 (c)		23/20/16	---	---	---
Silicon	ppm	● 6	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 1	---	---	---

#### Diagnosis

We recommend you service the filters on this component. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. Additive levels indicate the addition of a different brand, or type of oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



#### WEAR METALS

Iron	ppm	● 6	---	---	---
Copper	ppm	● 5	---	---	---
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	● 0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

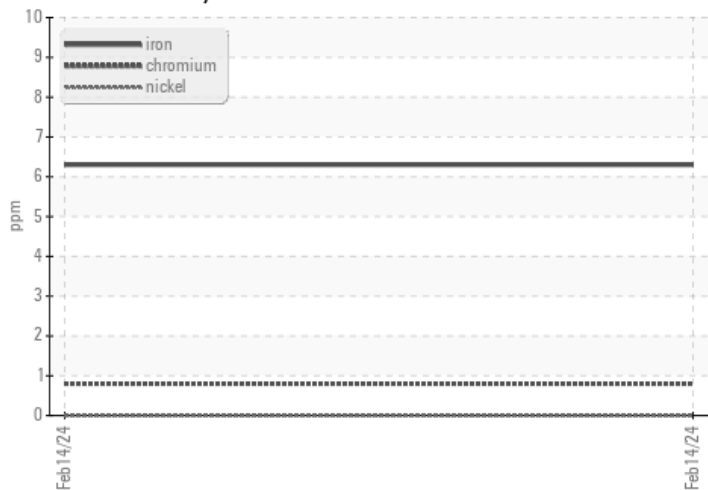
Calcium	ppm	1378	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 683	---	---	---
Phosphorus	ppm	● 615	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● <1	---	---	---

**Depot:** WEKVAN  
**Unique No:** 5733386  
**Signed:** Kevin Marson  
**Report Date:** 20 Feb 2024

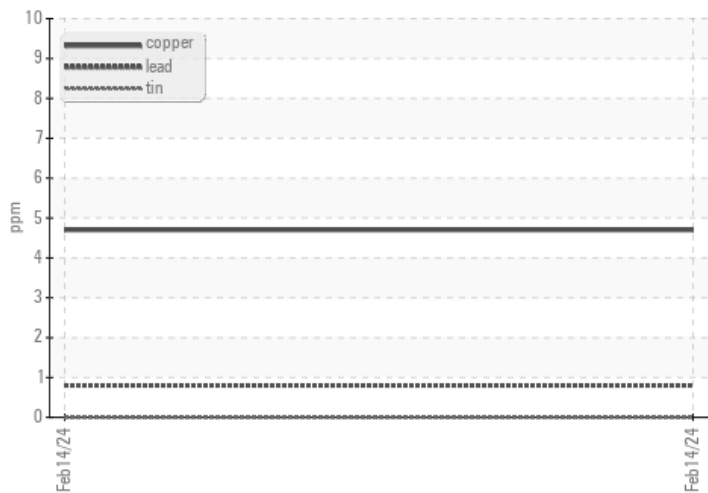


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

