

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R920 45352 - Hydraulic System

Sample No: LH0279526

Oil Type: NOT GIVEN



#### SAMPLE INFORMATION

Sample Number	LH0279526	LH0251237	LH0215662	---
Sample Date	05 Dec 2023	16 Mar 2023	10 Dec 2021	---
Machine Hours	24	2029	1704	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	ATTENTION	NORMAL	---

**LIEBHERR CANADA LTEE**  
 4250 AUTOROUTE CHOMEDEY 13  
 LAVAL, QC  
 CA H7R 6E9  
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#### OIL CONDITION

Visc @ 40°C	cSt	43.9	44.1	44.4	---
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		16171	39404	16752	---
Particles >6µm		1810	4933	747	---
Particles >14µm		71	88	20	---
ISO 4406:1999 (c)		21/18/13	22/19/14	21/17/11	---
Silicon	ppm	7	7	7	---
Sodium	ppm	2	2	2	---
Potassium	ppm	2	<1	2	---



#### WEAR METALS

Iron	ppm	18	16	15	---
Copper	ppm	10	9	8	---
Lead	ppm	2	1	2	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	2	2	2	---
Chromium	ppm	2	2	1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	<1	0	<1	---
Titanium	ppm	0	<1	0	---
Silver	ppm	<1	0	<1	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	1063	1161	1191	---
Magnesium	ppm	6	6	7	---
Zinc	ppm	680	656	649	---
Phosphorus	ppm	536	606	559	---
Barium	ppm	<1	0	<1	---
Boron	ppm	1	1	1	---

#### Diagnosis

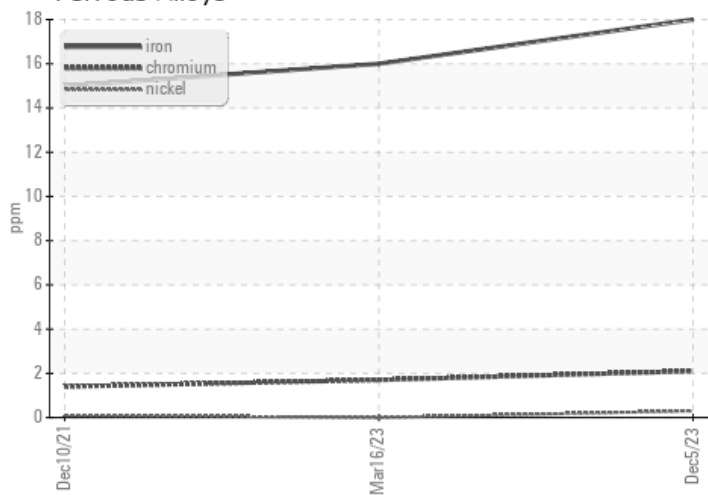
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. L'état de l'huile est acceptable pour la durée de service.

Depot: LIESTL  
 Unique No: 5694974  
 Signed: Wes Davis  
 Report Date: 09 Dec 2023

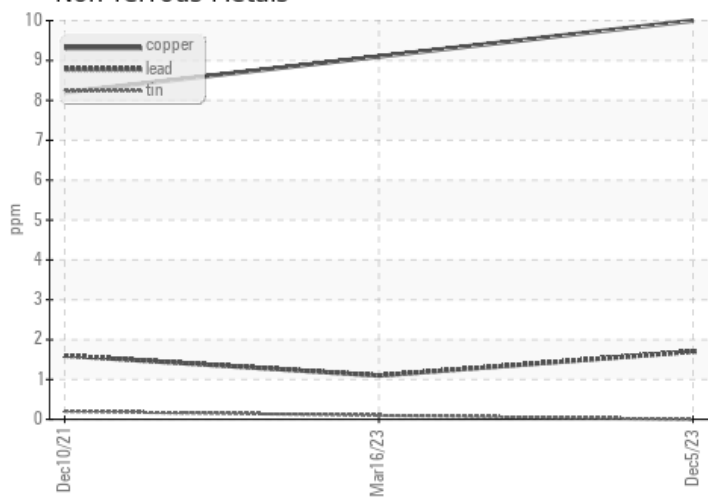


### GRAPHS

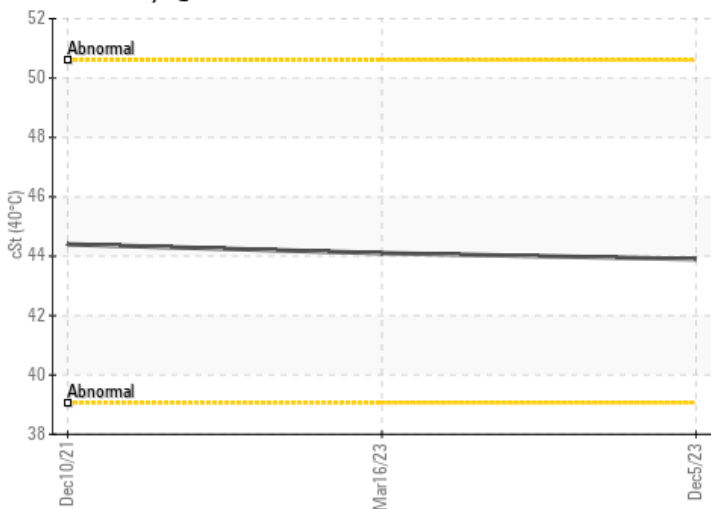
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

