

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR T60-9 024742-1709 - Hydraulic System

Sample No: LH0279130

Oil Type: LIEBHERR HYDRAULIC HVI



#### SAMPLE INFORMATION

Sample Number	LH0279130	LH	---	---
Sample Date	01 Feb 2024	18 Apr 2023	---	---
Machine Hours	1012	500	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	N/A	---	---
Sample Status	ABNORMAL	ATTENTION	---	---

**LES EQUIPEMENTS SPM**  
 551 RUE J OSWALD FOREST  
 SAINT-ROCH-DE-L'ACHIGAN, QC  
 CA J0K 3H0  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	46.1	46.5	---	---
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		86857	26445	---	---
Particles >6µm		33588	7550	---	---
Particles >14µm		1088	635	---	---
ISO 4406:1999 (c)		24/22/17	22/20/16	---	---
Silicon	ppm	4	4	---	---
Sodium	ppm	<1	<1	---	---
Potassium	ppm	<1	<1	---	---

#### Diagnosis

We recommend you service the filters on this component. 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. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.



#### WEAR METALS

Iron	ppm	5	3	---	---
Copper	ppm	2	2	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	0	0	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

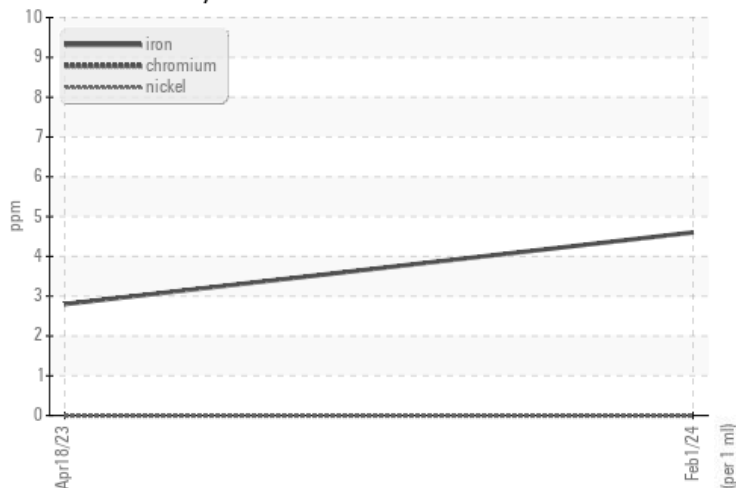
Calcium	ppm	1345	1460	---	---
Magnesium	ppm	5	4	---	---
Zinc	ppm	687	720	---	---
Phosphorus	ppm	646	715	---	---
Barium	ppm	0	0	---	---
Boron	ppm	1	2	---	---

**Depot:** LES551SAI2  
**Unique No:** 5723144  
**Signed:** Wes Davis  
**Report Date:** 07 Feb 2024

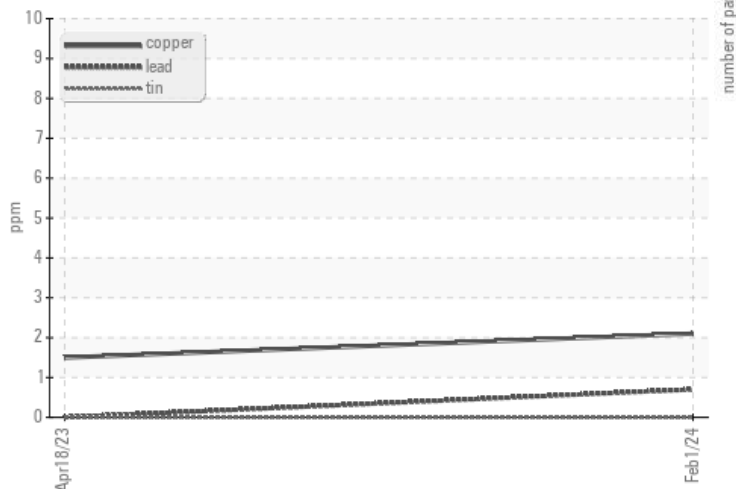


### GRAPHS

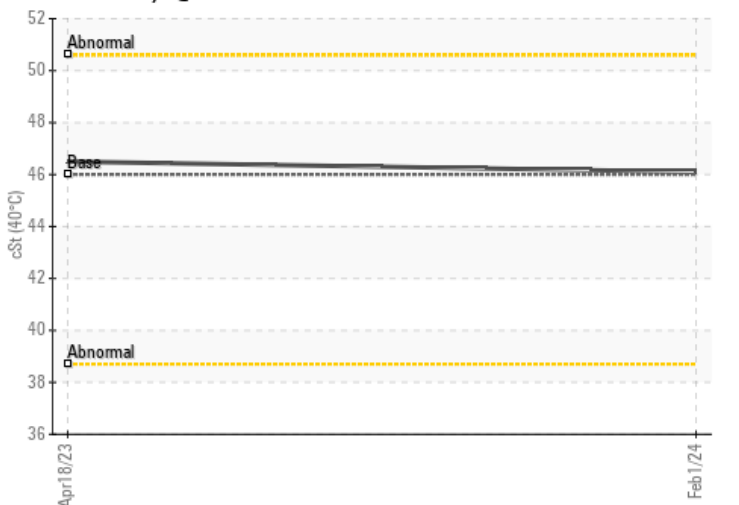
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

