

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 068730 - Hydraulic System

Sample No: LH0285021

Oil Type: {unknown}



#### SAMPLE INFORMATION

Sample Number	LH0285021	LH0266076	LH0261570	LH0247056
Sample Date	11 Feb 2024	23 Jun 2023	09 May 2023	21 Feb 2023
Machine Hours	8094	5380	4658	4125
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Changed	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**CGC INC**  
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 F:



#### OIL CONDITION

Visc @ 40°C	cSt	44.7	43.4	44.3	43.9



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		2107	6558	7171	10327
Particles >6µm		161	618	1103	2826
Particles >14µm		13	54	14	170
ISO 4406:1999 (c)		18/15/11	20/16/13	20/17/11	21/19/15
Silicon	ppm	2	5	4	5
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	<1	<1	<1	<1

#### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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.



#### WEAR METALS

Iron	ppm	5	12	10	12
Copper	ppm	<1	2	1	1
Lead	ppm	1	5	4	5
Tin	ppm	0	0	<1	<1
Aluminum	ppm	1	2	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

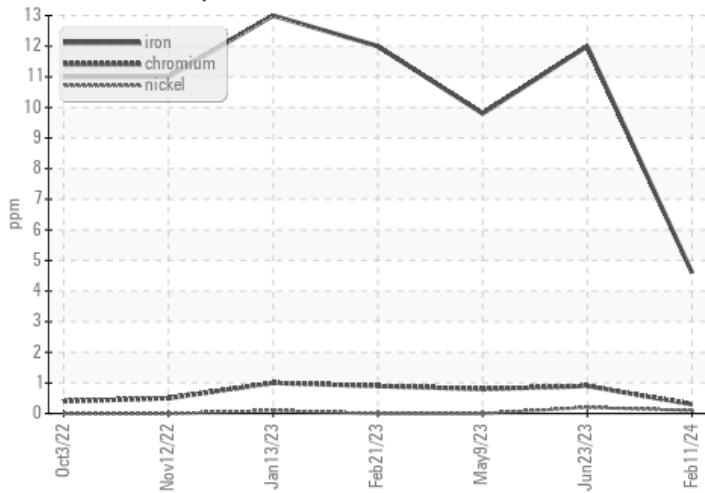
Calcium	ppm	187	544	560	757
Magnesium	ppm	1	3	3	4
Zinc	ppm	884	771	766	759
Phosphorus	ppm	714	666	669	689
Barium	ppm	0	0	0	0
Boron	ppm	0	1	<1	<1

**Depot:** CGCHAG  
**Unique No:** 5724133  
**Signed:** Wes Davis  
**Report Date:** 13 Feb 2024

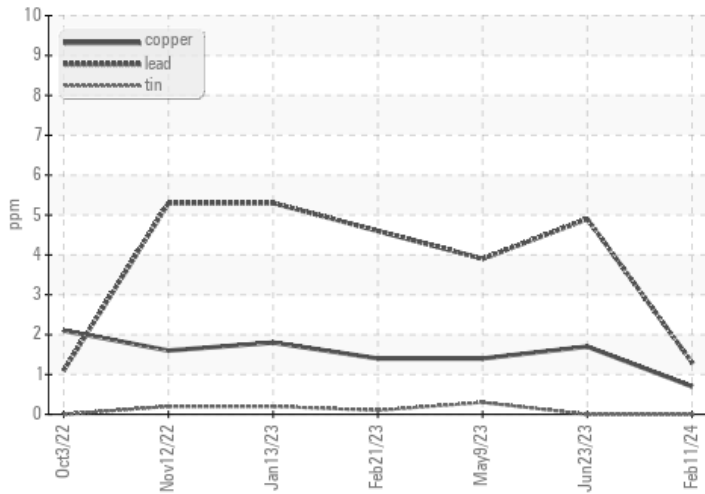


### GRAPHS

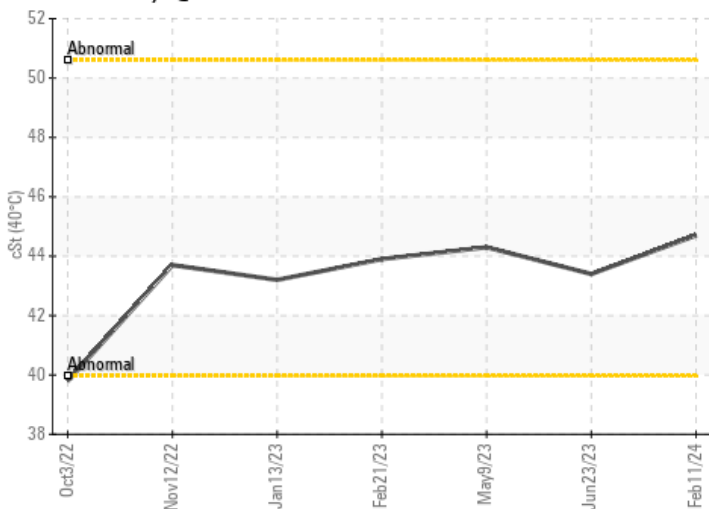
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

