

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 055418-1334 - Hydraulic System

Sample No: LH0278964

Oil Type: AW HYDRAULIC OIL ISO 46



#### SAMPLE INFORMATION

Sample Number	LH0278964	LH0270256	LH0274429	LH0256597
Sample Date	05 Nov 2023	25 Sep 2023	15 Aug 2023	27 Mar 2023
Machine Hours	12685	12214	11526	10029
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	Not Changd	N/A
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

**CGC INC**  
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#### OIL CONDITION

Visc @ 40°C	cSt	43.7	43.3	43.8	44.5
		●	●	●	●



#### CONTAMINATION

Particles >4µm		● 21209	● 7875	● 4407	● 1601
Particles >6µm		● 4027	● 1158	● 333	● 111
Particles >14µm		● 36	● 20	● 13	● 5
ISO 4406:1999 (c)		● 22/19/12	● 20/17/11	● 19/16/11	● 18/14/10
Silicon	ppm	● 2	● 2	● 2	● 2
Sodium	ppm	● <1	● <1	● <1	● <1
Potassium	ppm	● 0	● 0	● <1	● <1

#### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	● 10	● 11	● 10	● 16
Copper	ppm	● 2	● 2	● 1	● 2
Lead	ppm	● 3	● 3	● 3	● 3
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● 1	● <1	● 1	● 1
Chromium	ppm	● <1	● <1	● <1	● <1
Molybdenum	ppm	● 0	● 0	● 0	● <1
Nickel	ppm	● 0	● <1	● <1	● <1
Titanium	ppm	● 0	● 0	● <1	● <1
Silver	ppm	● <1	● <1	● 0	● 0
Manganese	ppm	● 0	● 0	● 0	● <1
Vanadium	ppm	● 0	● 0	● 0	● 0



#### ADDITIVES

Calcium	ppm	● 162	● 161	● 156	● 258
Magnesium	ppm	● 2	● 2	● 2	● 6
Zinc	ppm	● 847	● 829	● 827	● 835
Phosphorus	ppm	● 651	● 648	● 686	● 705
Barium	ppm	● <1	● <1	● 0	● 0
Boron	ppm	● <1	● <1	● <1	● <1

Depot: CGCHAG  
 Unique No: 5671331  
 Signed: Kevin Marson  
 Report Date: 07 Nov 2023

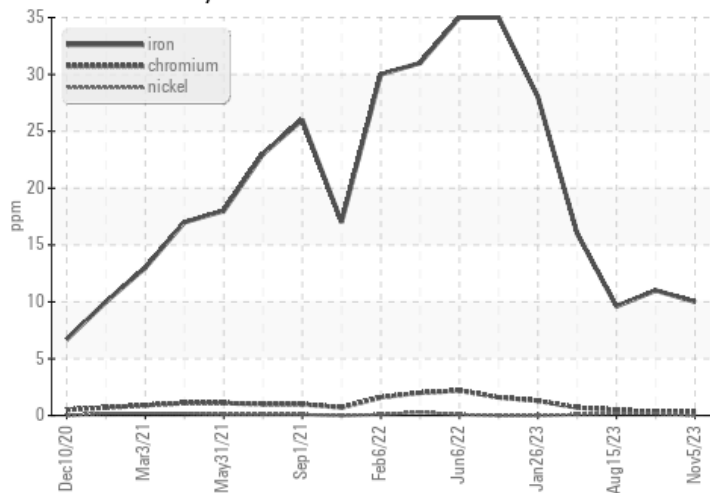
# LIEBHERR

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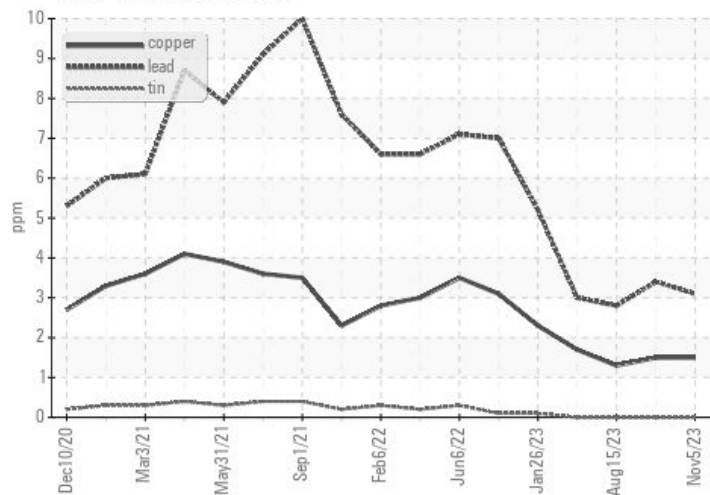


### GRAPHS

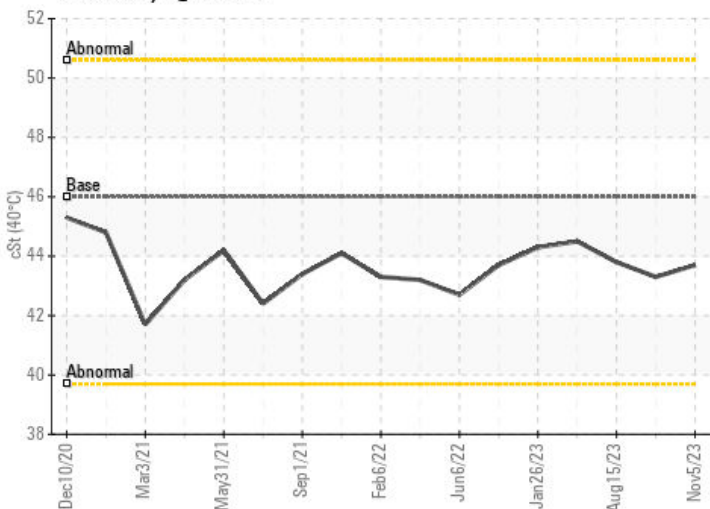
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

