

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [HR DOOREKAMP] LIEBHERR LH120C 057 245-1103 - Hydraulic

Sample No: LH0276309

Oil Type: CERTIFIED ENVIRO HOC XTREME EAL PG 46



#### SAMPLE INFORMATION

Sample Number	LH0276309	LH0125933	LH0118774	---
Sample Date	25 Mar 2024	23 Apr 2018	24 Nov 2017	---
Machine Hours	9643	2776	2198	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

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#### OIL CONDITION

Visc @ 40°C	cSt	45.0	43.5	44.9	---
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Particles >4µm		3555	787	592	---
Particles >6µm		648	103	69	---
Particles >14µm		26	6	5	---
ISO 4406:1999 (c)		19/17/12	17/14/10	16/13/10	---
Silicon	ppm	0	<1	<1	---
Sodium	ppm	<1	<1	<1	---
Potassium	ppm	<1	<1	<1	---

#### Diagnosis

Resample at the next service interval to monitor. 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	3	2	---
Copper	ppm	1	2	2	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	0	0	---
Aluminum	ppm	0	0	<1	---
Chromium	ppm	0	0	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	3	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	0	0	0	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

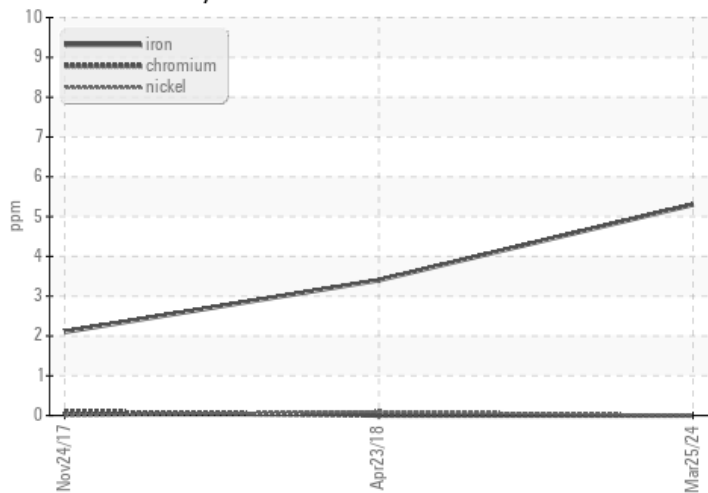
Calcium	ppm	467	320	350	---
Magnesium	ppm	2	2	2	---
Zinc	ppm	232	815	814	---
Phosphorus	ppm	204	632	620	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	<1	<1	---

Depot: LIEMIS  
 Unique No: 5750101  
 Signed: Wes Davis  
 Report Date: 28 Mar 2024

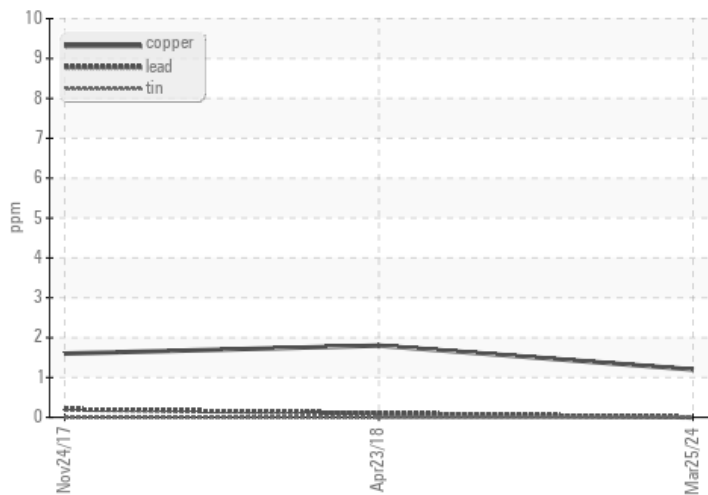


### GRAPHS

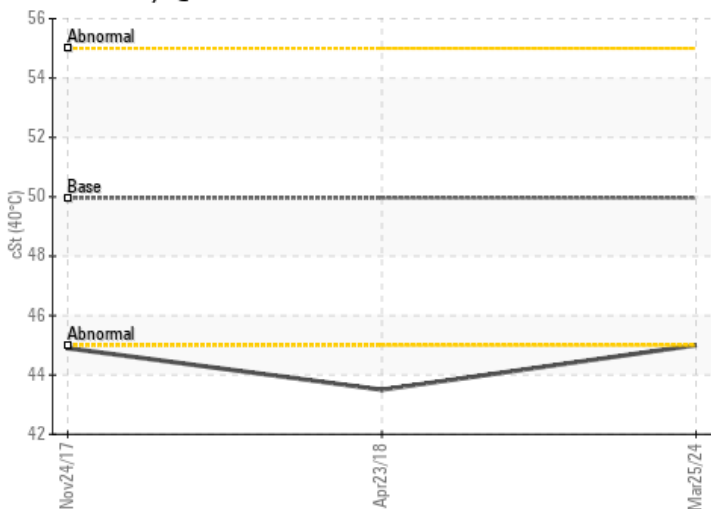
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

