

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R924C 028643-1069 - Hydraulic System

Sample No: LH0281208

Oil Type: AW HYDRAULIC OIL ISO 46



#### SAMPLE INFORMATION

Sample Number	LH0281208	LH0185817	LHMC161420	---
Sample Date	01 Feb 2024	20 Jan 2021	10 Oct 2019	---
Machine Hours	18438	11574	11497	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	NORMAL	NORMAL	NORMAL	---

#### ABC RECYCLING

8081 MEADOW AVE.

BURNABY, BC

CA V3N 2V9

Contact: John Anderson

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F:



#### OIL CONDITION

Visc @ 40°C	cSt	42.8	47.5	49.7	---
Acid Number (AN)	mg KOH/g	---	---	0.692	---



#### CONTAMINATION

Water	%	0.010	NEG	NEG	---
Particles >4µm		1581	7553	5236	---
Particles >6µm		201	978	674	---
Particles >14µm		16	80	43	---
ISO 4406:1999 (c)		18/15/11	20/17/13	20/17/13	---
Silicon	ppm	<1	2	2	---
Sodium	ppm	0	2	2	---
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 water content is negligible. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	11	11	11	---
Copper	ppm	2	12	12	---
Lead	ppm	<1	1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	<1	<1	---
Chromium	ppm	2	4	3	---
Molybdenum	ppm	0	6	6	---
Nickel	ppm	0	<1	0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	0	<1	<1	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

Calcium	ppm	25	716	727	---
Magnesium	ppm	2	63	65	---
Zinc	ppm	376	592	616	---
Phosphorus	ppm	321	472	493	---
Barium	ppm	0	<1	0	---
Boron	ppm	<1	9	10	---

Depot: ABCBUR

Unique No: 5733396

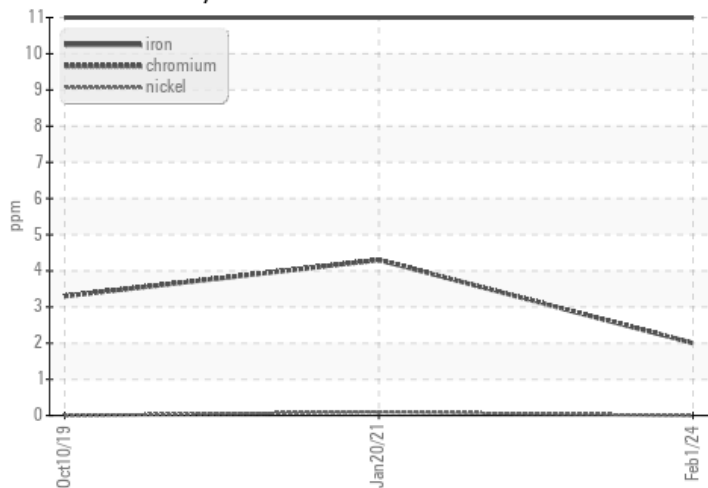
Signed: Wes Davis

Report Date: 20 Feb 2024

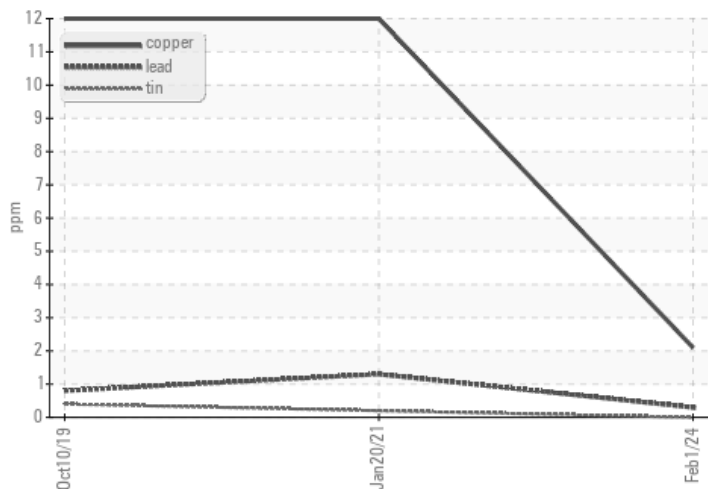


### GRAPHS

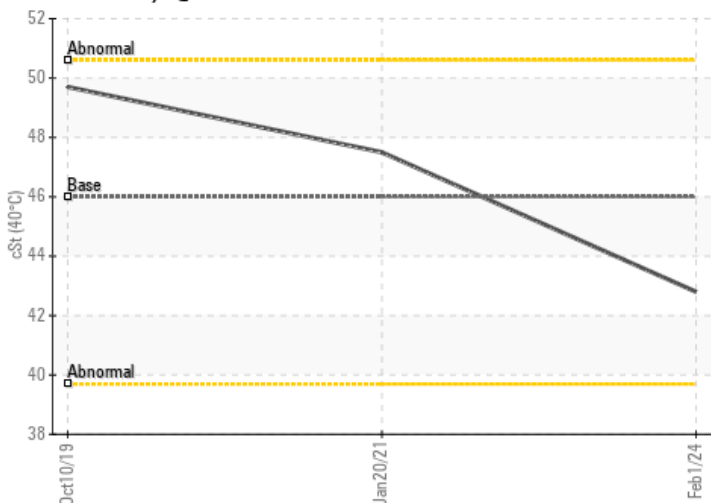
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

