

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R934 050206-1550 - Hydraulic System

Sample No: LH0095665

Oil Type: FIRE-RESISTANT FLUID ISO 46



#### SAMPLE INFORMATION

Sample Number	LH0095665	LH0171374	LH0171369	LH0171356
Sample Date	19 Jul 2023	02 Jan 2023	20 May 2022	19 Oct 2021
Machine Hours	5000	4000	3000	0
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	Not Changd	N/A
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

TRANSPORT FOUCAULT INC

614 rte du Canton  
Brownsburg-Chatham, QC  
CA J8G 1P8  
Contact: Patrick Foucault



#### OIL CONDITION

Visc @ 40°C	cSt	41.8	42.1	42.4	43.2
Acid Number (AN)	mg KOH/g	---	0.23	0.19	0.30

T: (450)820-2447  
F:



#### CONTAMINATION

Water	%	---	0.003	0.004	0.003
Particles >4µm		8219	7644	5354	44274
Particles >6µm		1911	1560	1072	3206
Particles >14µm		74	47	45	18
ISO 4406:1999 (c)		20/18/13	20/18/13	20/17/13	23/19/11
Silicon	ppm	5	6	5	4
Sodium	ppm	2	2	1	1
Potassium	ppm	<1	<1	1	<1

#### Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable. L'état de l'huile est acceptable pour la durée de service.



#### WEAR METALS

Iron	ppm	19	18	17	16
Copper	ppm	9	10	10	10
Lead	ppm	1	1	2	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	3	3	3	2
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

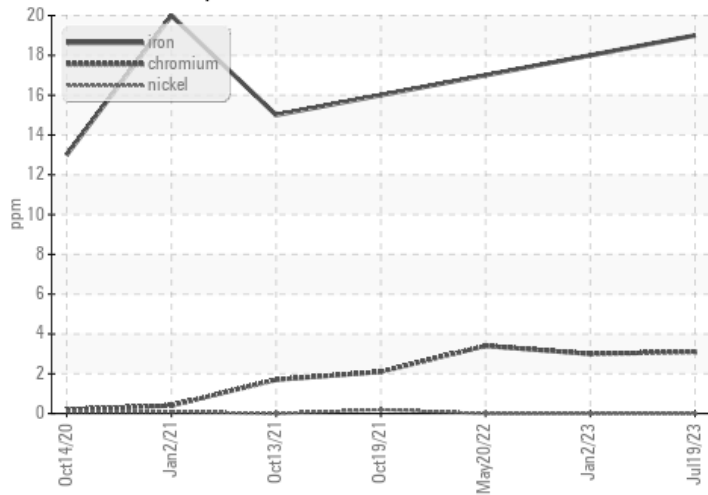
Calcium	ppm	4	2	3	4
Magnesium	ppm	<1	0	<1	<1
Zinc	ppm	88	70	64	36
Phosphorus	ppm	102	98	93	89
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: EMBRO  
Unique No: 5618049  
Signed: Wes Davis  
Report Date: 31 Jul 2023

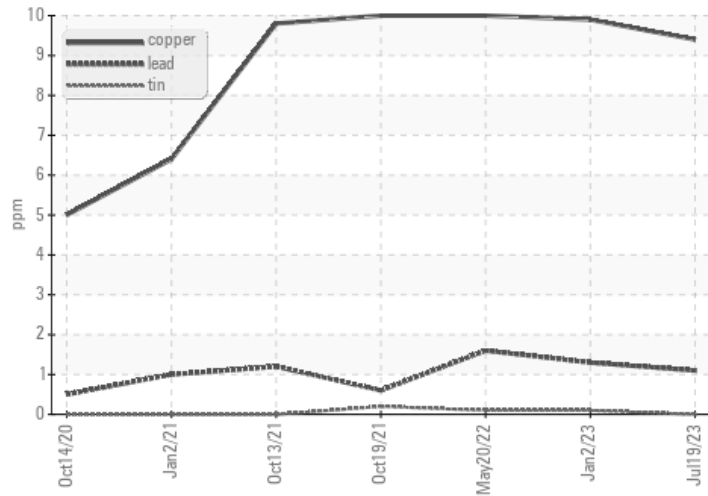


### GRAPHS

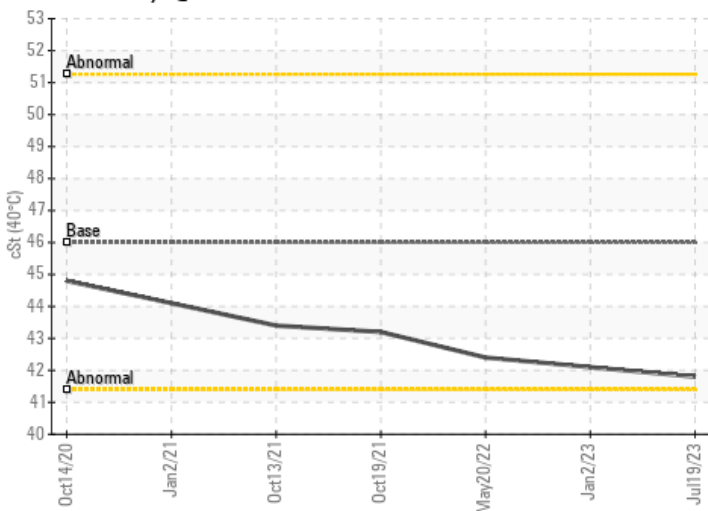
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Count

