

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(342783)] LIEBHERR LH50M 128861-1216 - Hydraulic System

Sample No: LH0195945

Oil Type: IRVING HYDRAULIC OIL ISO 68

#### BeCar Inc.

1053 boul Ducharme

La Tuque, QC

CA G9X 3C3

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#### 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. Le AN est acceptable pour ce fluide. L'état de l'huile permet d'en prolonger l'utilisation.



## SAMPLE INFORMATION

Sample Number		LH0195945	LH0228168	LH0228120	LH0234334
Sample Date		01 Aug 2023	31 Jul 2023	17 May 2023	15 Feb 2023
Machine Hours		5260	10323	9551	8107
Oil Hours		0	0	0	0
Oil Changed		Not Changd	Not Changd	Not Changd	Not Changd
Sample Status		NORMAL	ABNORMAL	ABNORMAL	SEVERE



## OIL CONDITION

Visc @ 40°C	cSt	44.4	45.9	41.8	48.9
Acid Number (AN)	mg KOH/g	0.91	0.52	---	---



## CONTAMINATION

Particles >4µm		16626	1469	55472	163873
Particles >6µm		4863	419	21068	96335
Particles >14µm		205	27	1448	11756
ISO 4406:1999 (c)		21/19/15	18/16/12	23/22/18	25/24/21
Silicon	ppm	2	2	2	5
Sodium	ppm	1	<1	<1	<1
Potassium	ppm	<1	<1	<1	<1



## WEAR METALS

PQ		---	2	1	---
Iron	ppm	16	54	59	47
Copper	ppm	3	3	3	3
Lead	ppm	<1	<1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	2
Chromium	ppm	<1	1	2	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	<1
Vanadium	ppm	0	0	0	0



## ADDITIVES

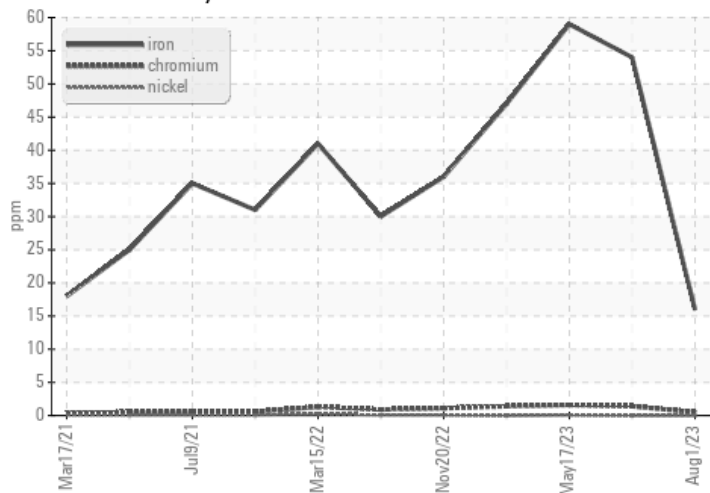
Calcium	ppm	640	224	213	255
Magnesium	ppm	2	1	2	2
Zinc	ppm	551	469	449	477
Phosphorus	ppm	485	395	405	421
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: BECLAT  
 Unique No: 5630595  
 Signed: Kevin Marson  
 Report Date: 23 Aug 2023

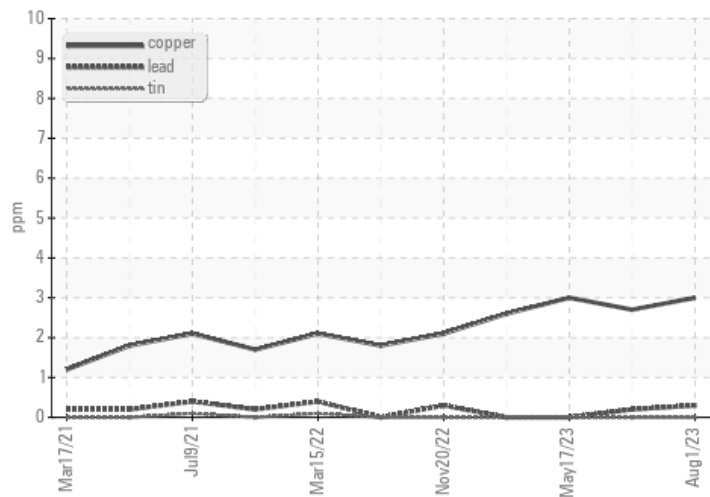


### GRAPHS

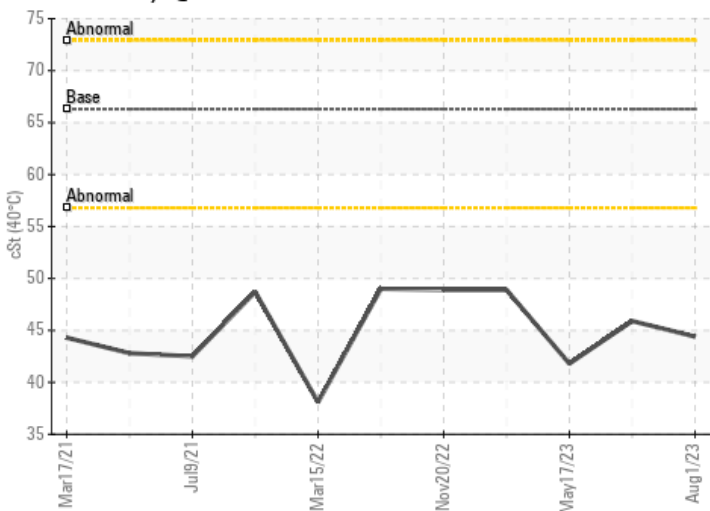
#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Particle Filter (Magn: 100 x)



#### Acid Number

