

# LIEBHERR LH50M 1203-80864 - HYDRAULIC SYSTEM

**Sample No:** LH0130089

**Oil Type:** AW HYDRAULIC OIL ISO 32

## SAMPLE INFORMATION

Sample Number	LH0130089	LH0130030	LH0099157	LH0099132
Sample Date	14 Jul 2021	20 Sep 2018	06 Aug 2016	22 Mar 2016
Machine Hours	21583	14360	5010	3025
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Changed	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ATTENTION

**Scierie Alexandre Lemay et Fils Inc.**  
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 T: (418)209-4081  
 F:

## OIL CONDITION

Visc @ 40°C	cSt	32.9	28.7	34.0	33.4
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## CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		2676	93039	2388	5127
Particles >6µm		152	720	929	133
Particles >14µm		8	4	124	12
ISO 4406:1999 (c)		19/14/10	24/17/9	18/17/14	20/14/11
Silicon	ppm	2	2	<1	1
Sodium	ppm	2	3	2	2
Potassium	ppm	<1	<1	0	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

PQ		---	14	---	---
Iron	ppm	11	73	19	22
Copper	ppm	2	6	3	2
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	1	1	<1	<1
Molybdenum	ppm	14	2	0	<1
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	2	<1	<1
Vanadium	ppm	0	0	0	0

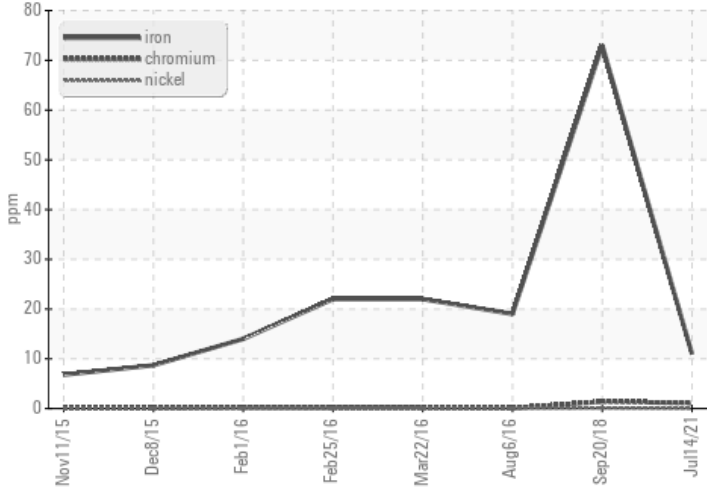
## ADDITIVES

Calcium	ppm	474	175	346	1003
Magnesium	ppm	214	1	1	6
Zinc	ppm	631	382	526	681
Phosphorus	ppm	581	370	402	548
Barium	ppm	0	0	<1	<1
Boron	ppm	20	4	<1	<1

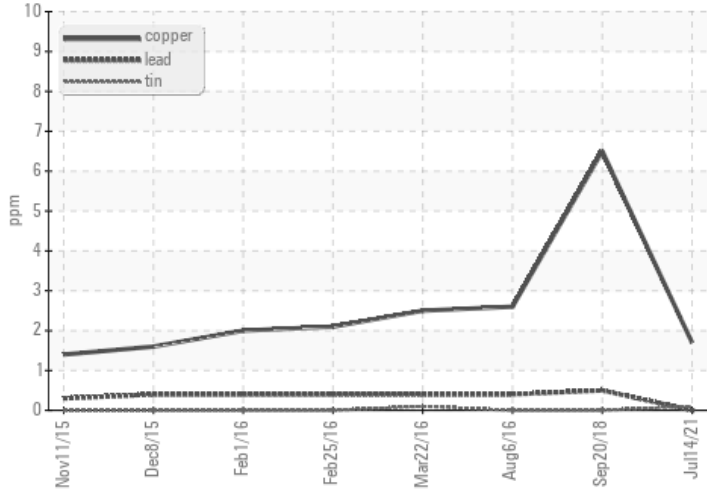
**Depot:** SCI149STE  
**Unique No:** 5264047  
**Signed:** Kevin Marson  
**Report Date:** 04 Aug 2021

# GRAPHS

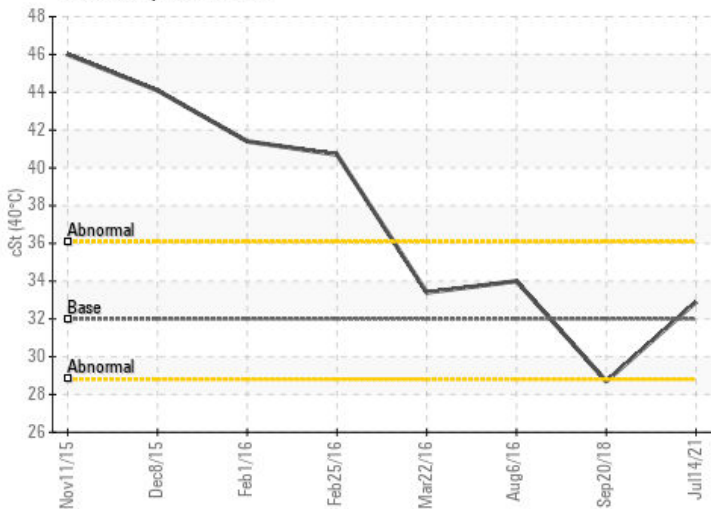
### Ferrous Alloys



### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count

