

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 135986 - Hydraulic System

Sample No: LH  
 Oil Type: NOT GIVEN



#### Sample Information

Sample Number	LH	LH	LH0278490	---
Sample Date	04 Jul 2024	07 May 2024	22 Dec 2023	---
Machine Hours	5083	4737	3966	---
Oil Hours	0	0	0	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	ATTENTION	ABNORMAL	ATTENTION	---

#### Industrial Metals

550 Messier St.  
 Winnipeg, MB  
 CA R2J 0G5  
 Contact: Service Manager



#### Oil Condition

Visc @ 40°C	cSt	41.3	41.3	41.2	---
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T:  
 F:



#### Contamination

Water	%	0.057	NEG	0.038	---
Particles >4µm		19417	27421	21744	---
Particles >6µm		5553	9643	6317	---
Particles >14µm		264	613	398	---
ISO 4406:1999 (c)		21/20/15	22/20/16	22/20/16	---
Silicon	ppm	2	2	2	---
Sodium	ppm	4	4	8	---
Potassium	ppm	<1	<1	0	---

#### Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The condition of the oil is acceptable for the time in service.



#### Wear Metals

Iron	ppm	19	19	18	---
Copper	ppm	7	7	6	---
Lead	ppm	<1	<1	4	---
Tin	ppm	0	0	0	---
Aluminum	ppm	1	<1	1	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	0	0	---
Silver	ppm	<1	0	0	---
Manganese	ppm	<1	<1	0	---
Vanadium	ppm	0	0	0	---



#### Additives

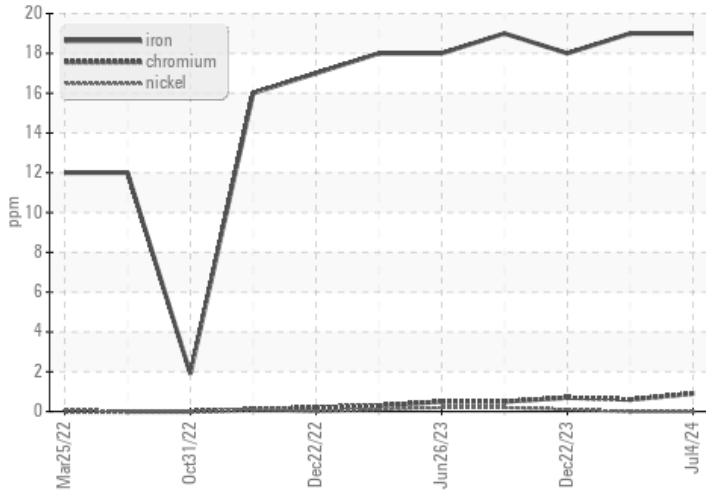
Calcium	ppm	1225	1251	1259	---
Magnesium	ppm	5	6	5	---
Zinc	ppm	700	710	670	---
Phosphorus	ppm	602	581	584	---
Barium	ppm	<1	<1	0	---
Boron	ppm	<1	<1	1	---

Depot: IND550WIN  
 Unique No: 5814266  
 Signed: Kevin Marson  
 Report Date: 21 Jul 2024

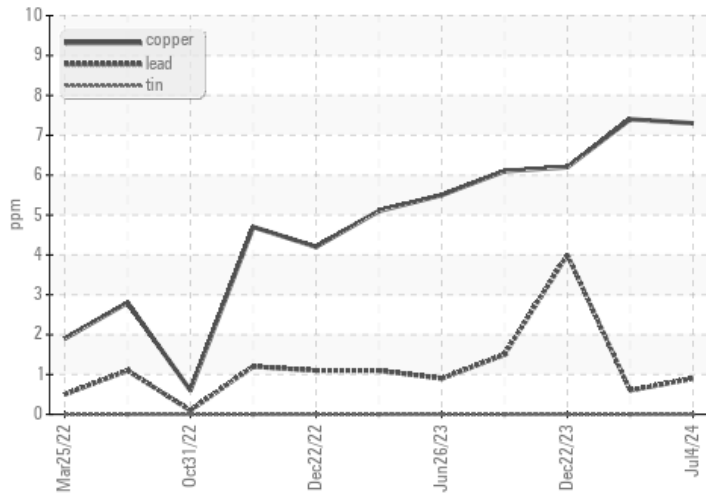


### Graphs

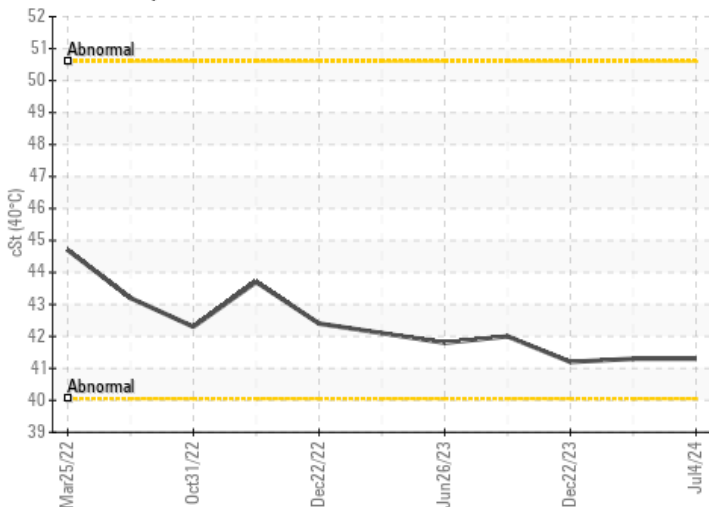
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

