

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 112545-1253 - Hydraulic System

Sample No: LH  
Oil Type: NOT GIVEN



#### SAMPLE INFORMATION

Sample Number	LH	LH0270118	LH0261587	LH0251783
Sample Date	07 Dec 2023	27 Sep 2023	08 May 2023	10 Mar 2023
Machine Hours	13530	1297	11758	11210
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	MARGINAL	NORMAL	NORMAL

#### GREEN METALS CANADA

224 BEARDS LANE  
WOODSTOCK, ON  
CA N4S 7W3  
Contact: Jamie Depotie  
jdepotie@gmcan.ca  
T: (519)539-1313  
F: (519)539-5130



#### OIL CONDITION

Visc @ 40°C	cSt	41.4	41.2	42.0	42.5
Visc @ 100°C	cSt	---	7.7	---	---
Viscosity Index (VI)	Scale	---	158	---	---



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		3429	3642	4571	4933
Particles >6µm		891	889	1046	1518
Particles >14µm		42	43	44	128
ISO 4406:1999 (c)		19/17/13	19/17/13	19/17/13	19/18/14
Silicon	ppm	<1	<1	<1	<1
Sodium	ppm	3	2	2	2
Potassium	ppm	3	0	0	<1



#### WEAR METALS

Iron	ppm	20	20	14	12
Copper	ppm	5	6	5	4
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	0	<1	<1
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	<1	<1	0	0
Manganese	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	290	310	316	318
Magnesium	ppm	3	3	2	3
Zinc	ppm	792	799	776	787
Phosphorus	ppm	605	627	663	693
Barium	ppm	<1	<1	0	0
Boron	ppm	<1	<1	<1	<1

#### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.

Depot: GRE224WOO  
Unique No: 5694990  
Signed: Wes Davis  
Report Date: 09 Dec 2023

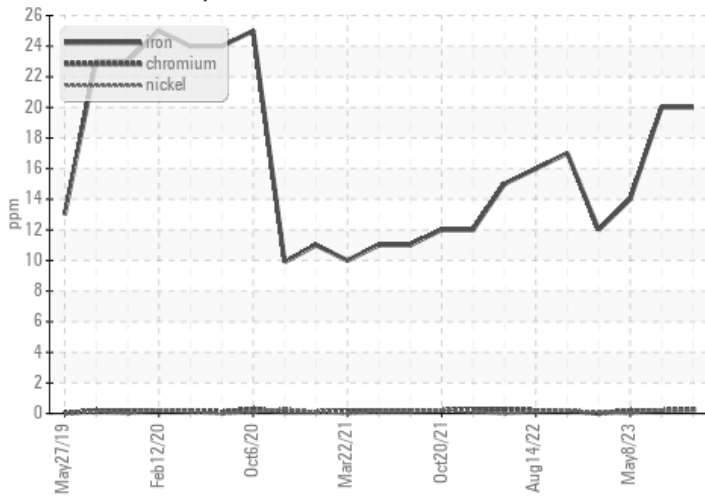
# LIEBHERR

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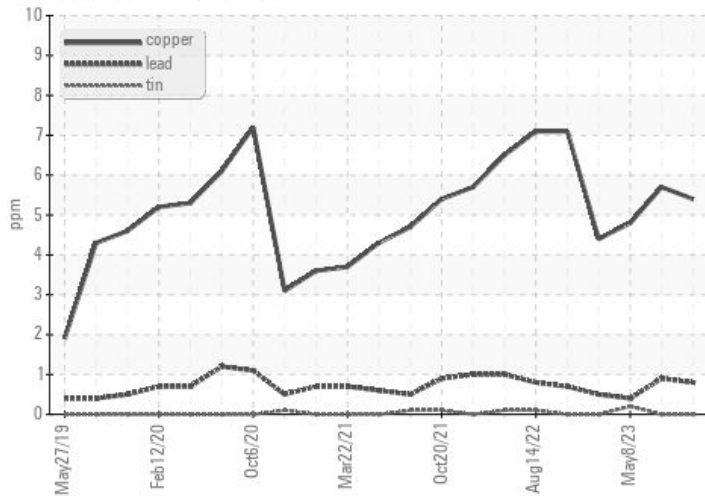


### GRAPHS

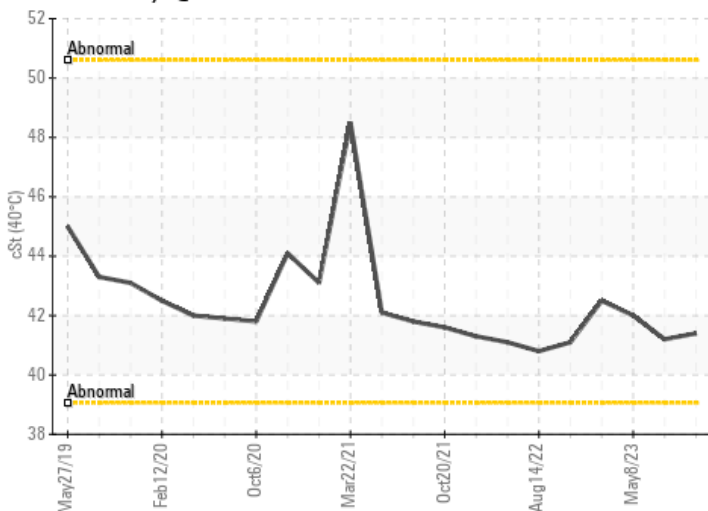
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

