

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1216-115016 - Splitter Box

Sample No: LH0272124

Oil Type: GEAR OIL LS 80W90



#### SAMPLE INFORMATION

Sample Number	LH0272124	LH0156675	LH0156610	LH0156717
Sample Date	19 Dec 2023	30 Aug 2023	25 Apr 2023	25 Jan 2023
Machine Hours	17781	16752	15594	14552
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

#### PCA

400 2ND STREET  
INTERNATIONAL FALLS, MN  
US 56649  
Contact: SCOTT LINDVALL  
scottlindvall@boisepaper.com  
T: (218)285-5706  
F:



#### OIL CONDITION

Visc @ 40°C	cSt	92.4	87.3	106	129



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	1	1
Sodium	ppm	1	<1	0	<1
Potassium	ppm	0	0	3	0

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Confirm oil type. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	26	30	20	13
Copper	ppm	1	<1	0	4
Lead	ppm	0	0	0	<1
Tin	ppm	<1	0	0	0
Aluminum	ppm	0	<1	<1	0
Chromium	ppm	0	0	0	<1
Molybdenum	ppm	2	1	2	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	1
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	<1	0	0



#### ADDITIVES

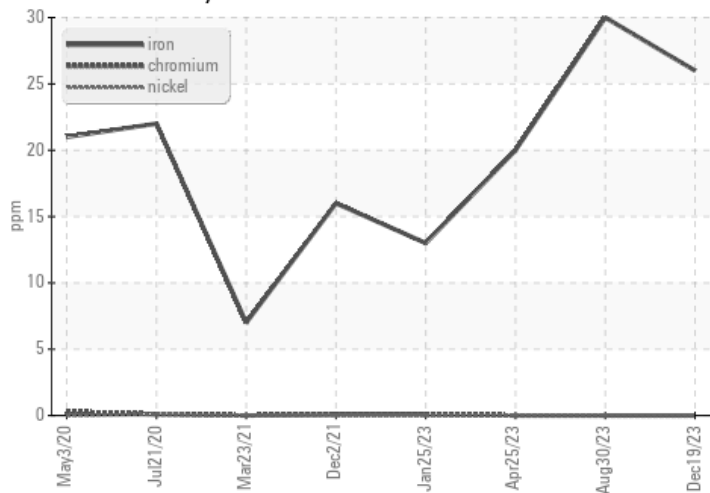
Calcium	ppm	39	41	71	20
Magnesium	ppm	6	3	14	1
Zinc	ppm	86	123	104	84
Phosphorus	ppm	806	813	840	1374
Barium	ppm	0	0	0	<1
Boron	ppm	18	52	57	229

Depot: PCAINT  
Unique No: 10844601  
Signed: Don Baldrige  
Report Date: 24 Jan 2024

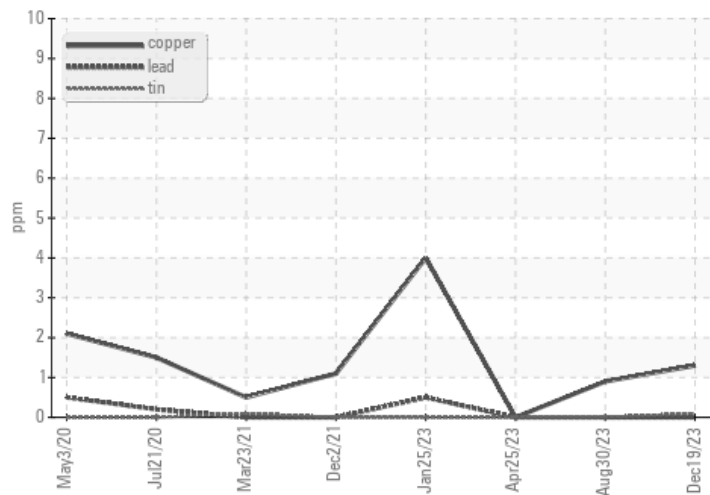


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

