

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 1216-98638 - Splitter Box

Sample No: LH0268262

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0268262	LH0263938	LH0245051	LH0221004
Sample Date	25 Jan 2024	17 Aug 2023	29 Mar 2023	29 Sep 2022
Machine Hours	13406	12191	11277	10101
Oil Hours	500	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**AMERICAN STATE EQUIPMENT CO.**  
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#### OIL CONDITION

Visc @ 40°C	cSt	109	111	120	147
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#### CONTAMINATION

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

#### 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. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	16	17	16	25
Copper	ppm	1	<1	<1	3
Lead	ppm	0	0	0	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	0	1	<1
Chromium	ppm	0	<1	0	0
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

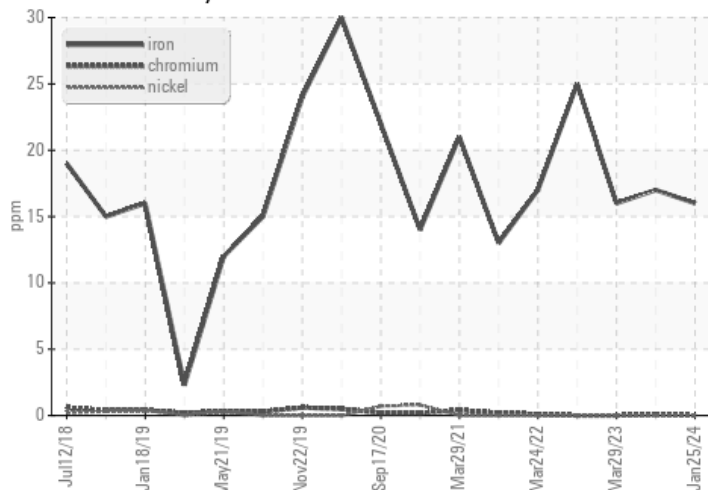
Calcium	ppm	39	39	41	35
Magnesium	ppm	0	4	5	3
Zinc	ppm	87	56	92	116
Phosphorus	ppm	745	661	808	1233
Barium	ppm	0	0	0	0
Boron	ppm	1	5	1	2

Depot: LEC007  
 Unique No: 10857285  
 Signed: Sean Felton  
 Report Date: 01 Feb 2024

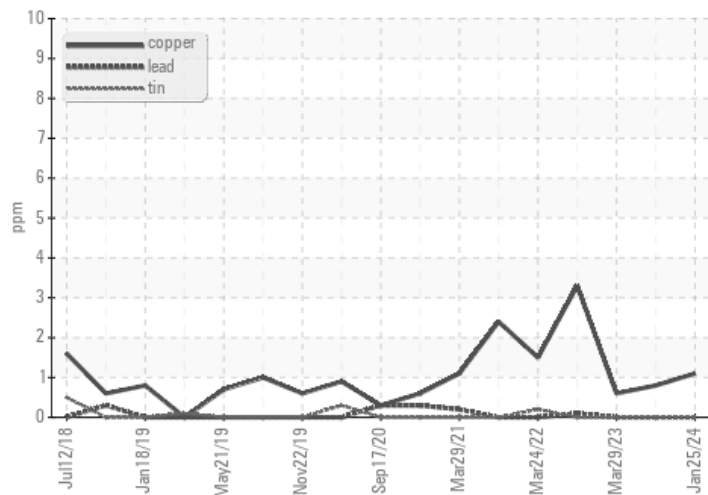


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

