

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 121854-1253 - Pump Drive

Sample No: LH0258818

Oil Type: GEAR OIL LS 80W90



#### SAMPLE INFORMATION

Sample Number	LH0258818	LH0272743	LH0272578	LH0264399
Sample Date	15 Mar 2024	02 Jan 2024	27 Oct 2023	04 Aug 2023
Machine Hours	7579	6976	6481	6007
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	SEVERE	NORMAL	NORMAL

**AMERICAN STATE EQUIPMENT CO.**  
 2400 NORTH 14TH AVENUE  
 WAUSAU, WI  
 US 54401  
 Contact: CHRIS BARTNIK  
 cbartnik@amstate.com  
 T: (715)675-6900  
 F: (715)675-9748



#### OIL CONDITION

Visc @ 40°C	cSt	112	127	117	118



#### CONTAMINATION

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

#### 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	11	639	7	13
Copper	ppm	6	78	0	2
Lead	ppm	<1	<1	0	0
Tin	ppm	1	3	0	0
Aluminum	ppm	3	0	0	0
Chromium	ppm	<1	4	0	0
Molybdenum	ppm	<1	0	0	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	4	0	<1
Vanadium	ppm	<1	0	0	<1



#### ADDITIVES

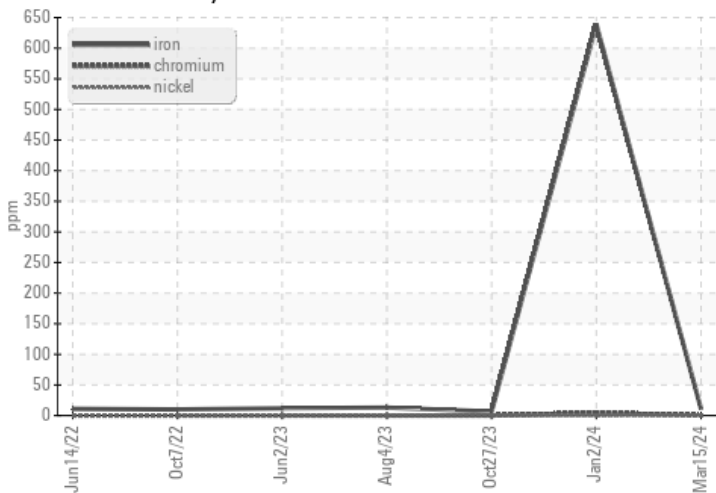
Calcium	ppm	71	26	58	72
Magnesium	ppm	5	3	2	9
Zinc	ppm	58	45	38	33
Phosphorus	ppm	909	754	822	786
Barium	ppm	1	<1	0	0
Boron	ppm	<1	7	0	2

Depot: LEC0008  
 Unique No: 10943043  
 Signed: Jonathan Hester  
 Report Date: 28 Mar 2024

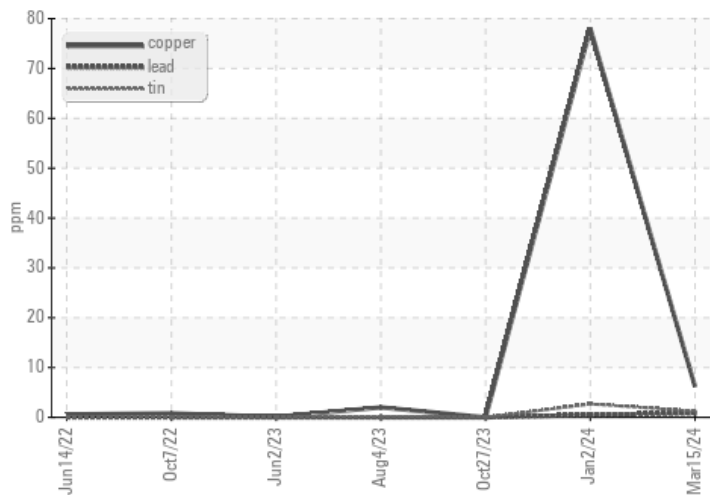


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

