

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 1216-109299 - Rear Left Wheel Hub

Sample No: LH0272568

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



#### SAMPLE INFORMATION

Sample Number	LH0272568	LH0264386	LH0243151	LH0217664
Sample Date	19 Jan 2024	21 Jul 2023	21 Dec 2022	07 Jun 2022
Machine Hours	9018	8127	7018	6004
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**ALTER METAL**  
2900 SHERMAN STREET  
WAUSAU, WI  
US 54401  
Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	122	132	135	140
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	1	2	3
Sodium	ppm	2	<1	0	2
Potassium	ppm	0	2	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. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	15	13	26	11
Copper	ppm	4	5	7	5
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	<1	1	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

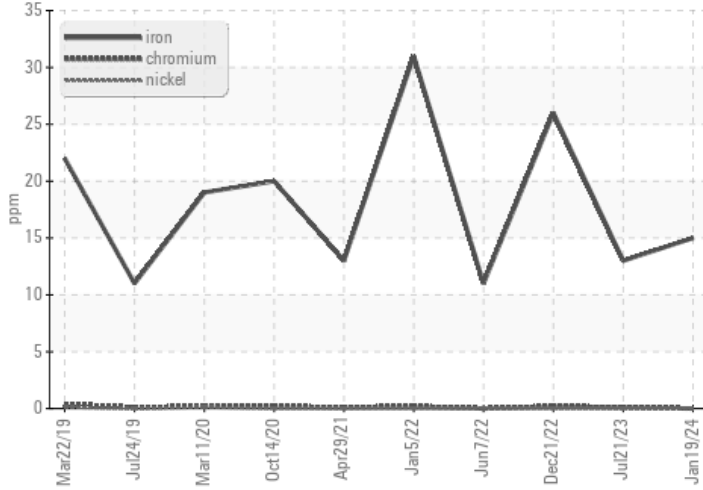
Calcium	ppm	53	40	78	80
Magnesium	ppm	4	8	12	10
Zinc	ppm	29	29	34	30
Phosphorus	ppm	772	816	794	923
Barium	ppm	0	0	0	0
Boron	ppm	2	8	17	21

Depot: ALTWAUUS  
Unique No: 10846831  
Signed: Sean Felton  
Report Date: 26 Jan 2024

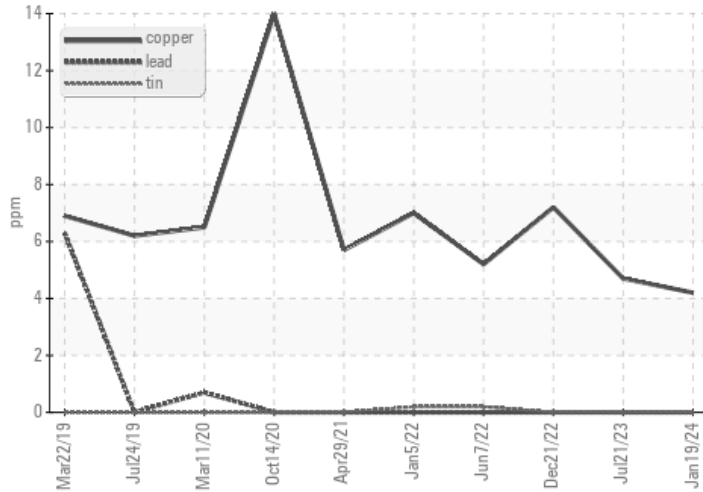


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

