

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1216-115017 - Rear Left Wheel Hub

Sample No: LH0263955

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90



#### SAMPLE INFORMATION

Sample Number	<b>LH0263955</b>	LH0243326	LH0204151	LH0243382
Sample Date	<b>30 Jan 2024</b>	29 Sep 2023	21 Apr 2023	03 Apr 2023
Machine Hours	<b>8879</b>	8189	7266	7172
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

#### ALTER RECYCLING

2175 BADGERLAND DR  
GREEN BAY, WI  
US 54303

Contact: LORI GRAVES

lori.graves@altertrading.com

T:

F:



#### OIL CONDITION

Visc @ 40°C	cSt	● 120	● 121	● 123	● 128
-------------	-----	-------	-------	-------	-------



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 1	● 2	● 0	● 4
Sodium	ppm	● 0	● 0	● <1	● 3
Potassium	ppm	● 1	● 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	● 15	● 21	● 11	● 88
Copper	ppm	● 1	● 1	● <1	● 0
Lead	ppm	● <1	● 0	● 0	● 0
Tin	ppm	● 1	● 0	● 0	● 0
Aluminum	ppm	● 3	● 0	● 0	● <1
Chromium	ppm	● <1	● 0	● 0	● 0
Molybdenum	ppm	● 2	● <1	● <1	● <1
Nickel	ppm	● 1	● 0	● 0	● 0
Titanium	ppm	<1	1	<1	0
Silver	ppm	<1	0	0	0
Manganese	ppm	● 1	● <1	● <1	● <1
Vanadium	ppm	<1	0	0	0



#### ADDITIVES

Calcium	ppm	● 40	● 39	● 35	● 86
Magnesium	ppm	● 4	● 15	● 12	● 15
Zinc	ppm	● 23	● 29	● 29	31
Phosphorus	ppm	● 733	● 725	● 492	● 749
Barium	ppm	● 0	● 0	● 0	● 0
Boron	ppm	● 0	● 3	● 1	● 8

Depot: ALTGRE

Unique No: 10869547

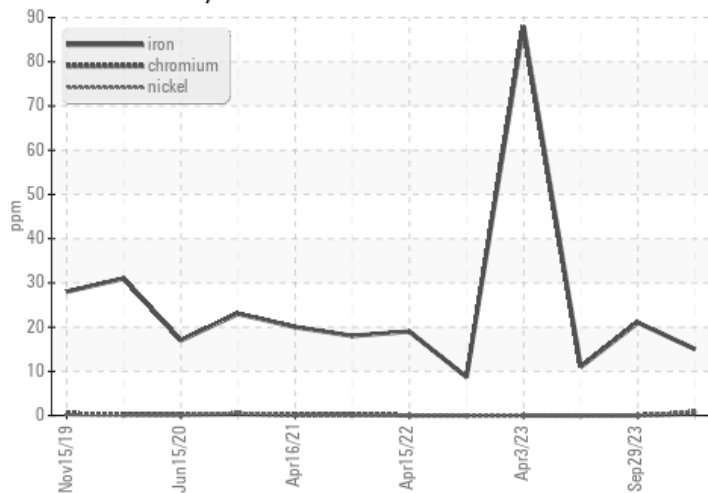
Signed: Angela Borella

Report Date: 08 Feb 2024

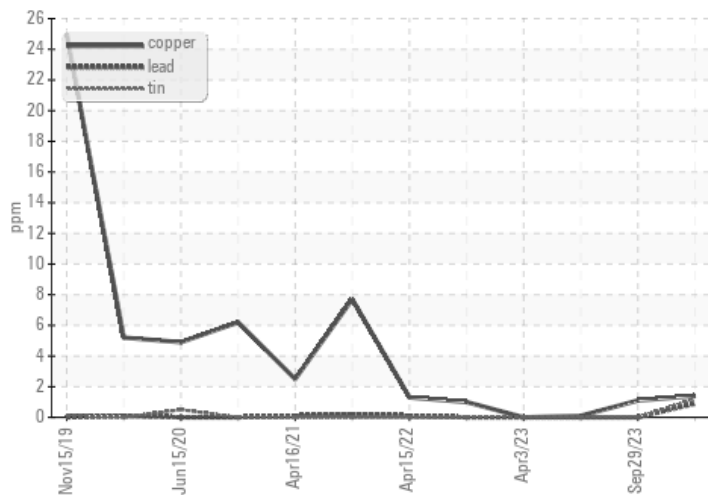


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

