

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A918 110890-1184 - Swing Drive

Sample No: LH0258447

Oil Type: LIEBHERR GEAR BASIC 90 LS



**UNITED SCRAP**  
1545 S CICERO AVE  
CHICAGO, IL  
US 60804  
Contact:

T:  
F:



#### Sample Information

Sample Number	LH0258447	LHMC130924	---	---
Sample Date	01 May 2024	16 Sep 2023	---	---
Machine Hours	6322	3968	---	---
Oil Hours	6322	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



#### Oil Condition

Visc @ 40°C	cSt	● 143	● 157	---	---
-------------	-----	-------	-------	-----	-----



#### Contamination

Water	%	● 0.409	● 0.427	---	---
Silicon	ppm	● 1	● 3	---	---
Sodium	ppm	● 1	● 0	---	---
Potassium	ppm	● 0	● <1	---	---



#### Wear Metals

Iron	ppm	● 120	● 277	---	---
Copper	ppm	● 3	● 15	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● <1	● <1	---	---
Aluminum	ppm	● 0	● <1	---	---
Chromium	ppm	● <1	● 3	---	---
Molybdenum	ppm	● 0	<1	---	---
Nickel	ppm	● 0	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● <1	2	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	● 29	10	---	---
Magnesium	ppm	● 2	<1	---	---
Zinc	ppm	● 11	53	---	---
Phosphorus	ppm	● 916	652	---	---
Barium	ppm	● 1	0	---	---
Boron	ppm	● 62	4	---	---

#### Diagnosis

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate concentration of water present in the oil. The condition of the oil is acceptable for the time in service.

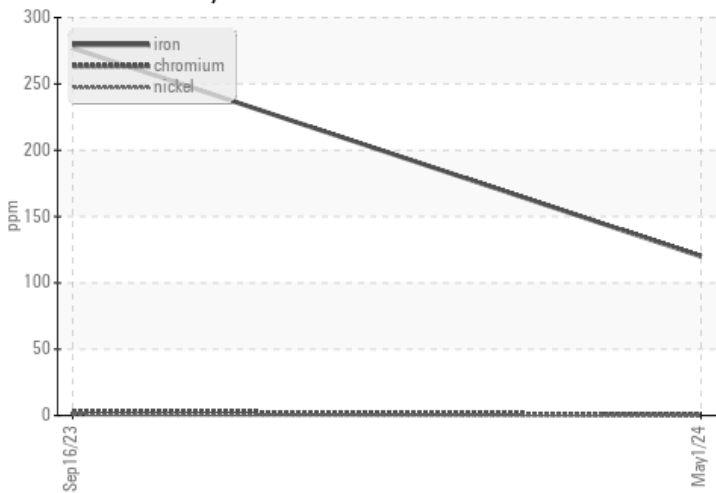
Depot: UNICHILH  
Unique No: 11029286  
Signed: Sean Felton  
Report Date: 15 May 2024

Contact/Location: ? ? - UNICHILH

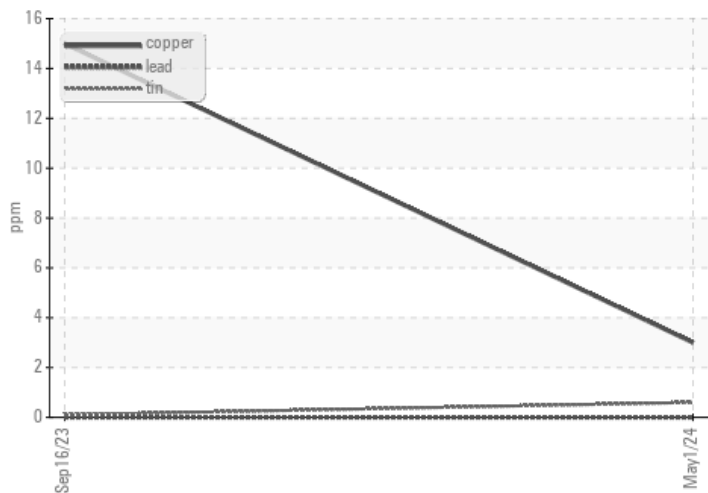


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

