

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A918 110890-1184 - Front Differential

Sample No: LH0258523

Oil Type: LIEBHERR GEAR BASIC 90 LS



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

T:  
F:



#### Sample Information

Sample Number	LH0258523	---	---	---
Sample Date	01 May 2024	---	---	---
Machine Hours	6322	---	---	---
Oil Hours	6322	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### Oil Condition

Visc @ 40°C	cSt	● 145	---	---	---
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#### Contamination

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



#### Wear Metals

Iron	ppm	● 14	---	---	---
Copper	ppm	● 0	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	● 94	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 35	---	---	---
Phosphorus	ppm	575	---	---	---
Barium	ppm	● 1	---	---	---
Boron	ppm	● 3	---	---	---

#### Diagnosis

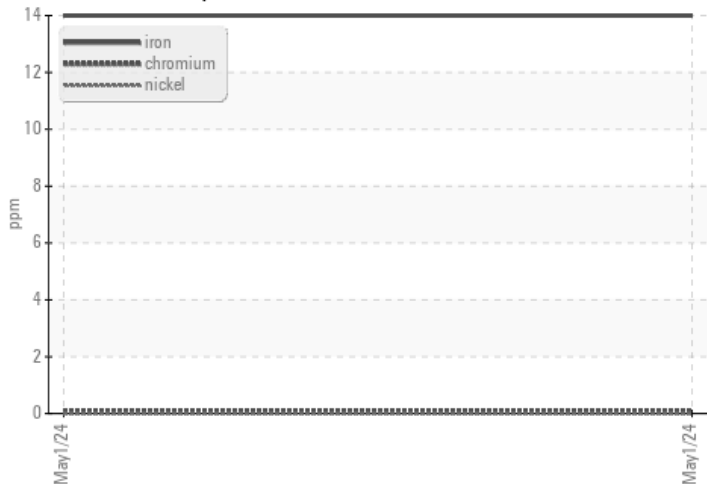
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: UNICHILH  
Unique No: 11029288  
Signed: Wes Davis  
Report Date: 14 May 2024

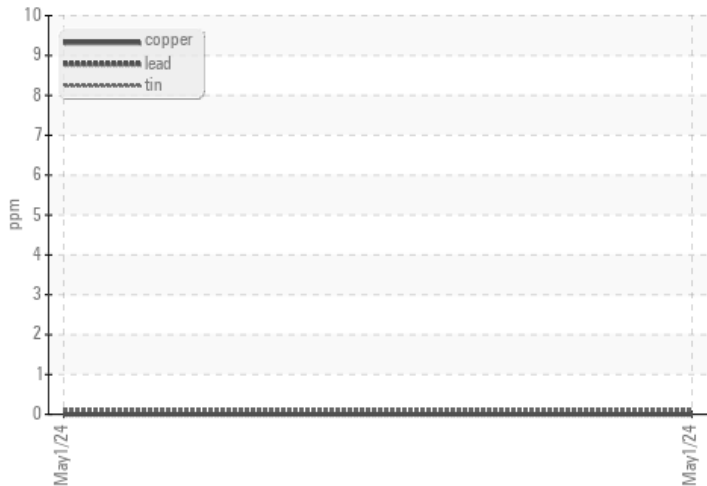


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

