

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 049722-1334 - Front Differential

Sample No: LH0254618

Oil Type: GEAR OIL SAE 80W90



**FINKBINER EQUIPMENT CO.**  
 15 W 400 N FRONTAGE RD  
 BURR RIDGE, IL  
 US 60527  
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 F: (630)654-3792



#### SAMPLE INFORMATION

Sample Number	LH0254618	---	---	---
Sample Date	01 Sep 2023	---	---	---
Machine Hours	2964	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 143	---	---	---
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#### CONTAMINATION

Silicon	ppm	● 5	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● <1	---	---	---



#### WEAR METALS

Iron	ppm	● 130	---	---	---
Copper	ppm	● 74	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 4	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● 1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 6	---	---	---
Vanadium	ppm	● 0	---	---	---



#### ADDITIVES

Calcium	ppm	● 35	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 32	---	---	---
Phosphorus	ppm	● 2011	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 257	---	---	---

#### Diagnosis

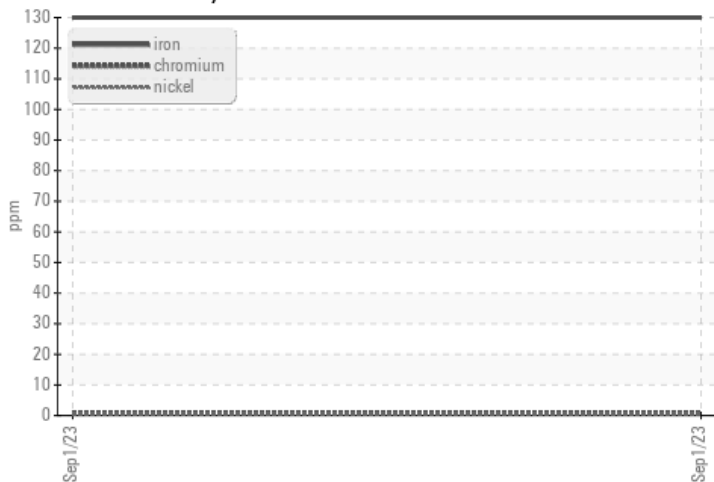
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

**Depot:** LEC0033  
**Unique No:** 10682950  
**Signed:** Don Baldrige  
**Report Date:** 10 Oct 2023

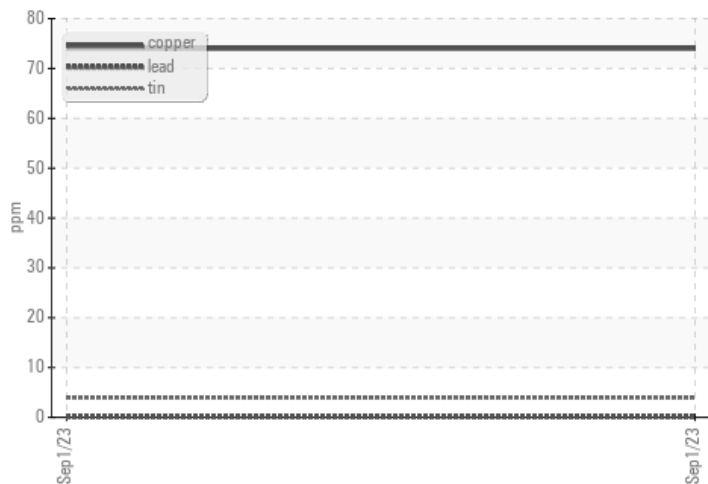


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

