

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R936 045079-1490 - Left Final Drive

Sample No: LH0254094

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0254094	LH0229857	---	---
Sample Date	20 Jul 2023	27 Oct 2022	---	---
Machine Hours	1185	623	---	---
Oil Hours	1185	623	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

**ACECO**  
 10119 RESIDENCY ROAD  
 MANASSAS, VA  
 US 20110  
 Contact: RON BROCK



#### OIL CONDITION

Visc @ 40°C	cSt	373	192	---	---
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T: (703)392-0111  
 F: (703)331-5604



#### CONTAMINATION

Silicon	ppm	1	2	---	---
Sodium	ppm	2	7	---	---
Potassium	ppm	0	2	---	---

#### 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. Confirm oil type. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	43	61	---	---
Copper	ppm	0	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

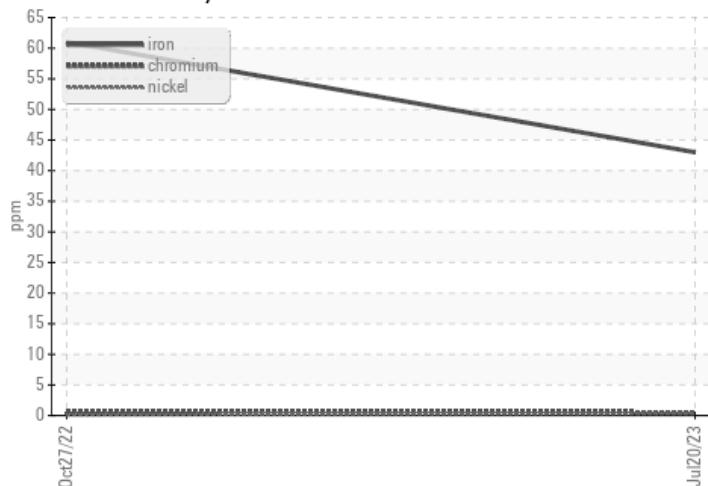
Calcium	ppm	4	37	---	---
Magnesium	ppm	5	33	---	---
Zinc	ppm	9	34	---	---
Phosphorus	ppm	1342	2226	---	---
Barium	ppm	1	10	---	---
Boron	ppm	2	19	---	---

Depot: ACEMAN  
 Unique No: 10608980  
 Signed: Don Baldrige  
 Report Date: 22 Aug 2023

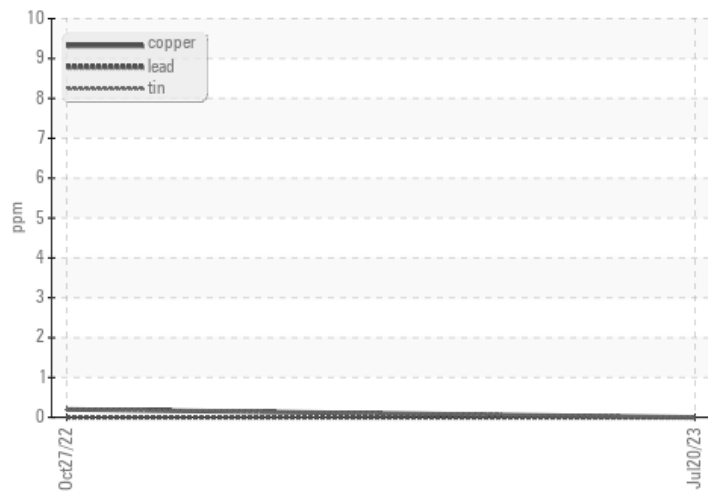


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

