

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R930 049615-1716 - Left Final Drive

Sample No: LH0243967

Oil Type: LIEBHERR GEAR BASIC 90 LS



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

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#### 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.



#### SAMPLE INFORMATION

Sample Number	LH0243967	LH0183110	---	---
Sample Date	12 Jun 2023	02 Oct 2020	---	---
Machine Hours	1685	522	---	---
Oil Hours	1685	522	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	195	194	---	---
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#### CONTAMINATION

Silicon	ppm	10	5	---	---
Sodium	ppm	3	6	---	---
Potassium	ppm	3	3	---	---



#### WEAR METALS

Iron	ppm	90	51	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	0	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	2	<1	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

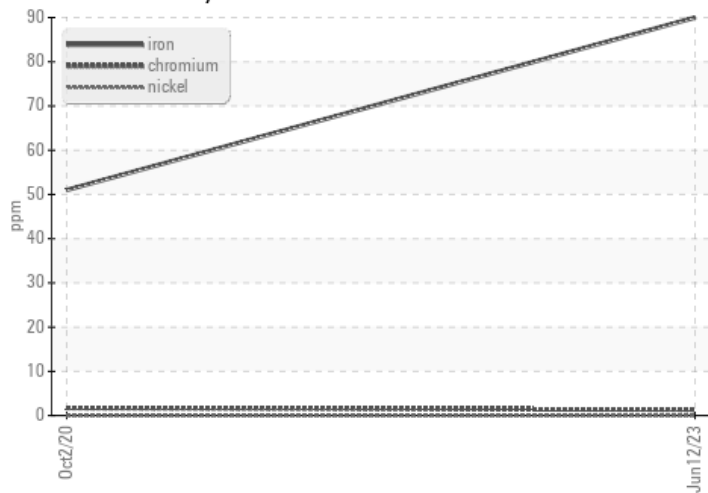
Calcium	ppm	27	14	---	---
Magnesium	ppm	5	2	---	---
Zinc	ppm	42	25	---	---
Phosphorus	ppm	1243	1251	---	---
Barium	ppm	17	3	---	---
Boron	ppm	<1	25	---	---

**Depot:** ACEMAN  
**Unique No:** 10635939  
**Signed:** Don Baldrige  
**Report Date:** 10 Sep 2023

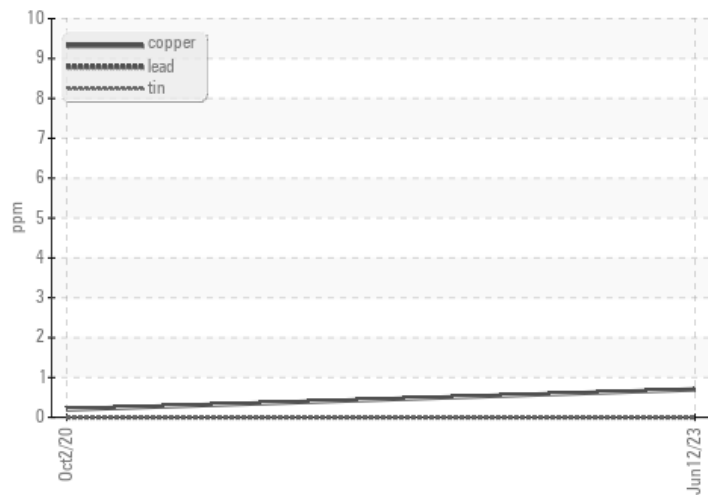


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

