

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R930 056356-1716 - Left Final Drive

Sample No: LH0258974

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0258974	LH0258222	---	---
Sample Date	10 Oct 2023	22 May 2023	---	---
Machine Hours	1035	475	---	---
Oil Hours	560	475	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---

#### ACECO

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



#### OIL CONDITION

Visc @ 40°C	cSt	186	198	---	---
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T: (703)392-0111  
F: (703)331-5604



#### CONTAMINATION

Silicon	ppm	2	3	---	---
Sodium	ppm	3	3	---	---
Potassium	ppm	2	2	---	---

#### Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	113	160	---	---
Copper	ppm	0	0	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	<1	1	---	---
Chromium	ppm	2	2	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	0	0	---	---



#### ADDITIVES

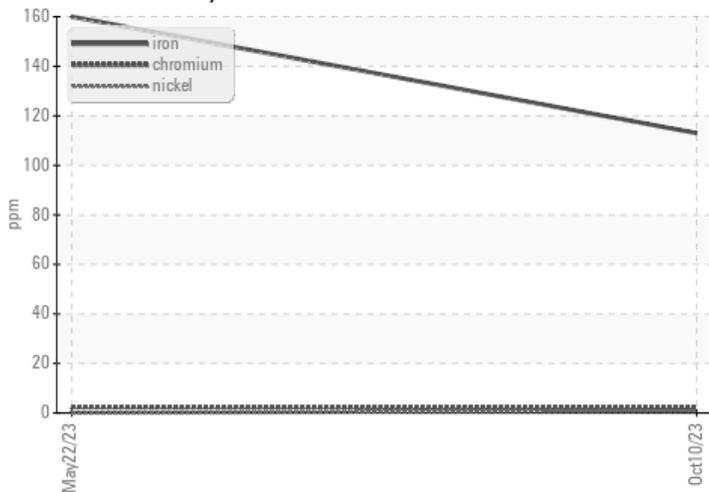
Calcium	ppm	10	21	---	---
Magnesium	ppm	2	5	---	---
Zinc	ppm	18	22	---	---
Phosphorus	ppm	1937	1087	---	---
Barium	ppm	5	24	---	---
Boron	ppm	0	1	---	---

Depot: ACEMAN  
Unique No: 10736239  
Signed: Sean Felton  
Report Date: 10 Nov 2023

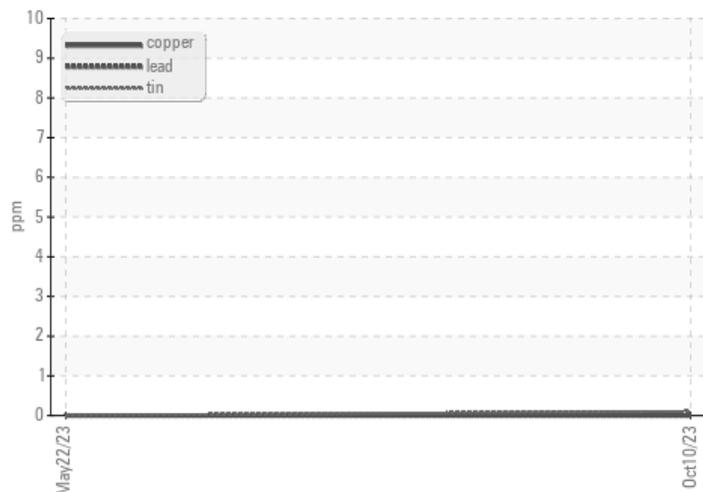


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

