

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0258222

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0258222	---	---	---
Sample Date	22 May 2023	---	---	---
Machine Hours	475	---	---	---
Oil Hours	475	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

#### ACECO

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



#### OIL CONDITION

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



#### CONTAMINATION

Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 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. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

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



#### ADDITIVES

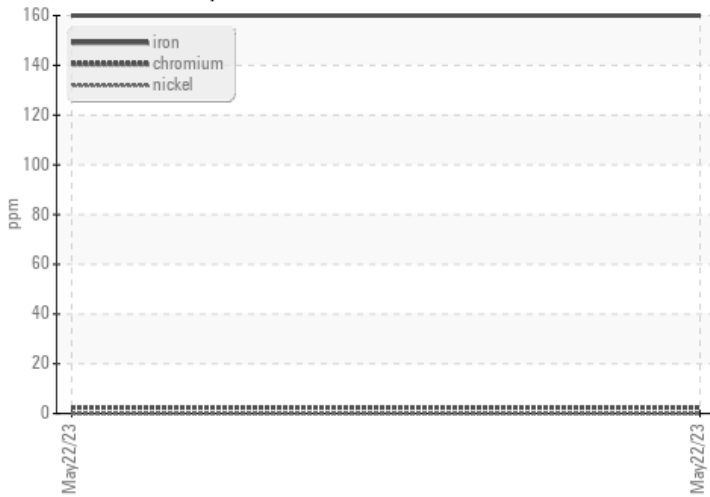
Calcium	ppm	● 21	---	---	---
Magnesium	ppm	● 5	---	---	---
Zinc	ppm	● 22	---	---	---
Phosphorus	ppm	● 1087	---	---	---
Barium	ppm	● 24	---	---	---
Boron	ppm	● 1	---	---	---

Depot: ACEMAN  
Unique No: 10635928  
Signed: Don Baldrige  
Report Date: 10 Sep 2023

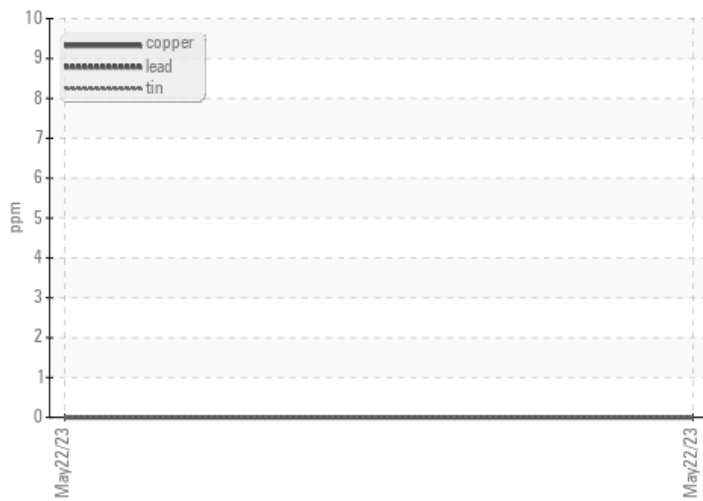


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

