

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R930 056356-1716 - Right Final Drive

Sample No: LH0258975

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0258975	LH0258223	---	---
Sample Date	10 Oct 2023	22 May 2023	---	---
Machine Hours	1035	475	---	---
Oil Hours	560	475	---	---
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	● 182	● 197	---	---
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T: (703)392-0111
F: (703)331-5604



CONTAMINATION

Silicon	ppm	● <1	● 4	---	---
Sodium	ppm	● 2	● 4	---	---
Potassium	ppm	● 1	● 3	---	---

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	● 42	● 150	---	---
Copper	ppm	● 0	● <1	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 0	● 0	---	---
Aluminum	ppm	● 0	● 0	---	---
Chromium	ppm	● <1	● 2	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● <1	● 2	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

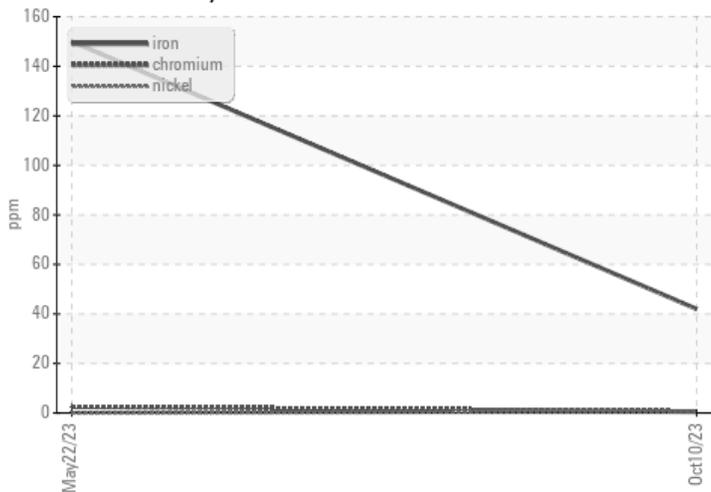
Calcium	ppm	● 12	● 27	---	---
Magnesium	ppm	● 2	● 4	---	---
Zinc	ppm	● 14	● 19	---	---
Phosphorus	ppm	● 2153	● 1162	---	---
Barium	ppm	● <1	● 24	---	---
Boron	ppm	● 0	● <1	---	---

Depot: ACEMAN
Unique No: 10736256
Signed: Sean Felton
Report Date: 10 Nov 2023

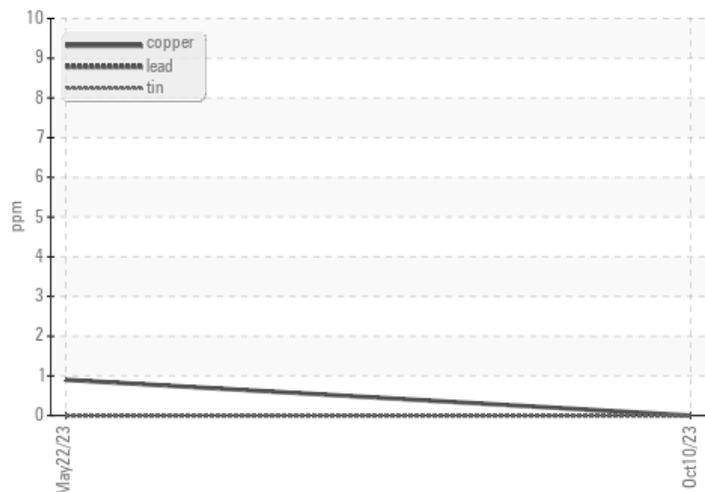


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

