

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 042899-1464 - Rear Differential

Sample No: LH0258947

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0258947	LH0220864	---	---
Sample Date	19 Oct 2023	08 Mar 2022	---	---
Machine Hours	6240	3115	---	---
Oil Hours	3250	3115	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

LIEBHERR EQUIPMENT SOURCE

10119 RESIDENCY ROAD
 MANASSAS, VA
 US 20110
 Contact: TOM HEINEY
 tom.heiney@liebherr.com
 T: (703)392-0111
 F: (703)331-5604



OIL CONDITION

Visc @ 40°C	cSt	● 184	● 192	---	---
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CONTAMINATION

Silicon	ppm	● 2	● 4	---	---
Sodium	ppm	● 2	● 3	---	---
Potassium	ppm	● <1	● 0	---	---

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	● 25	● 44	---	---
Copper	ppm	● 38	● 26	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 1	● <1	---	---
Aluminum	ppm	● <1	● <1	---	---
Chromium	ppm	● 0	● <1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	● 0	● 0	---	---
Silver	ppm	● 0	● <1	---	---
Manganese	ppm	● 3	● 6	---	---
Vanadium	ppm	● 0	● 0	---	---



ADDITIVES

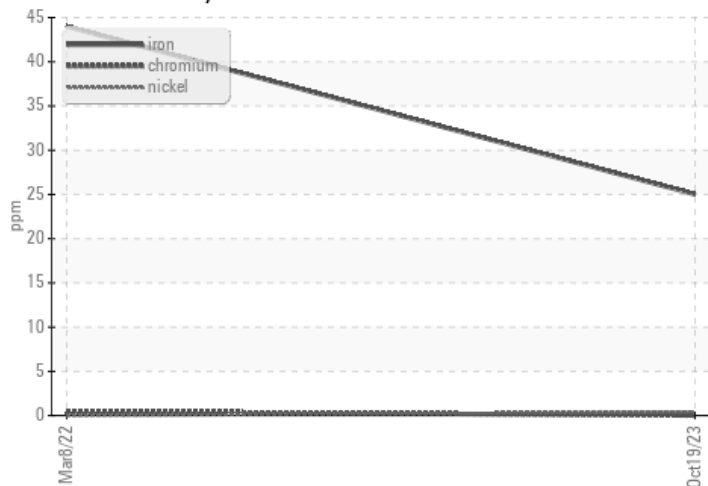
Calcium	ppm	● 14	● 7	---	---
Magnesium	ppm	● 3	● 3	---	---
Zinc	ppm	● 71	● 40	---	---
Phosphorus	ppm	● 1871	● 2478	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 0	● 8	---	---

Depot: LIEBHERRVA
 Unique No: 10736246
 Signed: Sean Felton
 Report Date: 10 Nov 2023

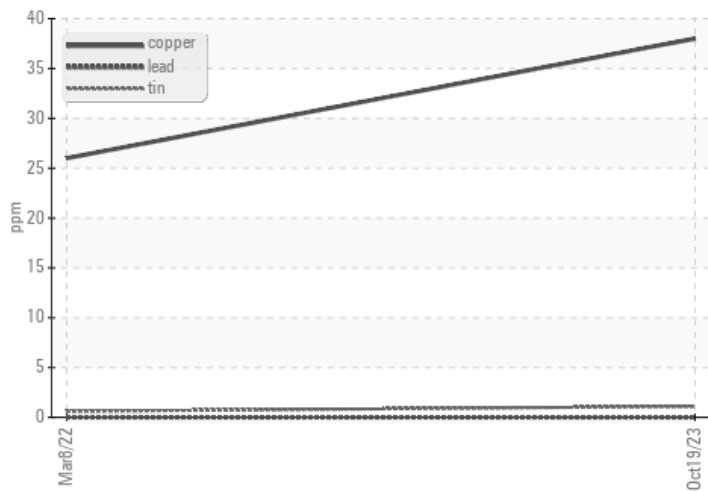


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

