

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 052439-1334 - Rear Differential

Sample No: LH0258499

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	<b>LH0258499</b>	LH0217462	LH0217439	LH0207293
Sample Date	<b>09 Oct 2023</b>	29 Aug 2022	13 Jun 2022	04 Oct 2021
Machine Hours	<b>11055</b>	7135	6294	4109
Oil Hours	<b>1000</b>	1000	2185	1000
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**BENEVENTO SAND & STONE**  
 900 SALEM STREET PO Box 454  
 WILMINGTON, MA  
 US 01887  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	● 193	● 177	● 184	● 201
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T:  
 F: (978)658-8928



#### CONTAMINATION

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

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	● 29	● 67	● 191	● 778
Copper	ppm	● 70	● 148	● 164	● 171
Lead	ppm	● 0	● 1	● 0	● 0
Tin	ppm	● 2	● 2	● 2	● 4
Aluminum	ppm	● <1	● 1	● <1	● 1
Chromium	ppm	● <1	● <1	● 2	● 7
Molybdenum	ppm	● 0	● <1	● <1	● <1
Nickel	ppm	● <1	● <1	● 0	● 1
Titanium	ppm	● 0	● 0	● 0	● 0
Silver	ppm	● 0	● <1	● <1	● <1
Manganese	ppm	● 2	● 3	● 3	● 13
Vanadium	ppm	● 0	● 0	● 0	● <1



#### ADDITIVES

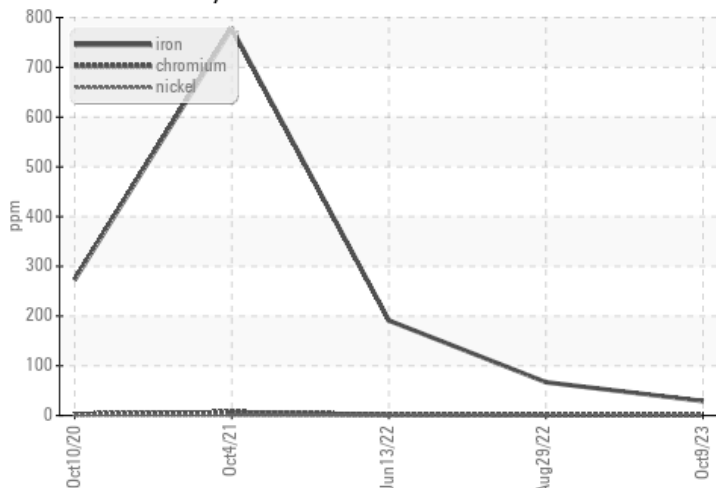
Calcium	ppm	● 17	● 52	● 67	● 22
Magnesium	ppm	● <1	● 2	● 1	● <1
Zinc	ppm	● 82	● 89	● 59	● 40
Phosphorus	ppm	● 2304	● 2182	● 2121	● 2409
Barium	ppm	● 19	● 0	● 0	● 0
Boron	ppm	● 0	● 2	● <1	● 1

Depot: BENWILLH  
 Unique No: 10722229  
 Signed: Sean Felton  
 Report Date: 01 Nov 2023

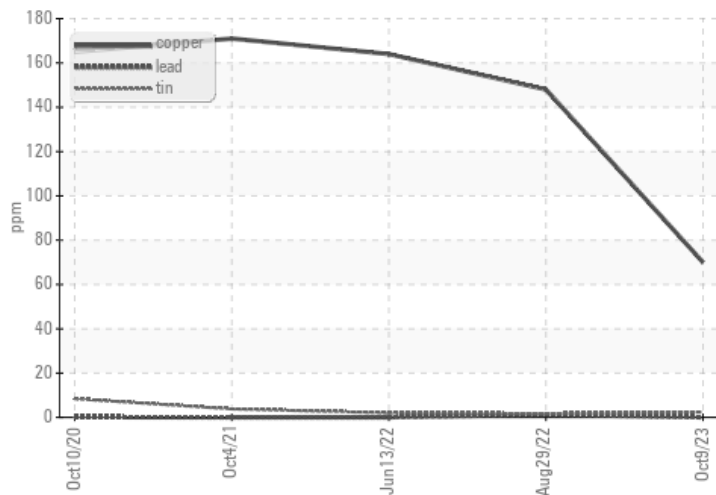


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

