

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 052323-1334 - Rear Differential

Sample No: LH0272202

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### Sample Information

Sample Number	LH0272202	LH0229250	LH0229181	LH0217557
Sample Date	17 May 2024	07 Mar 2023	11 Oct 2022	13 Jun 2022
Machine Hours	12782	9828	9071	8089
Oil Hours	1000	1000	982	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ATTENTION	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	270	191	179	178

T:  
 F: (978)658-8928



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	9	<1	2	2
Sodium	ppm	5	1	1	0
Potassium	ppm	2	0	0	<1

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. An increase in the iron level is noted. An increase in the copper level is noted. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. Confirm oil type.



#### Wear Metals

Iron	ppm	1014	25	19	41
Copper	ppm	179	13	14	45
Lead	ppm	<1	0	<1	0
Tin	ppm	8	<1	0	2
Aluminum	ppm	2	0	<1	<1
Chromium	ppm	8	<1	0	<1
Molybdenum	ppm	1	0	0	0
Nickel	ppm	2	0	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	<1
Manganese	ppm	11	<1	1	1
Vanadium	ppm	<1	0	<1	0



#### Additives

Calcium	ppm	39	8	0	16
Magnesium	ppm	1	1	0	<1
Zinc	ppm	54	11	5	19
Phosphorus	ppm	3006	2369	2434	2217
Barium	ppm	0	0	0	0
Boron	ppm	0	0	0	0

Depot: BENWILLH  
 Unique No: 11043705  
 Signed: Don Baldrige  
 Report Date: 23 May 2024

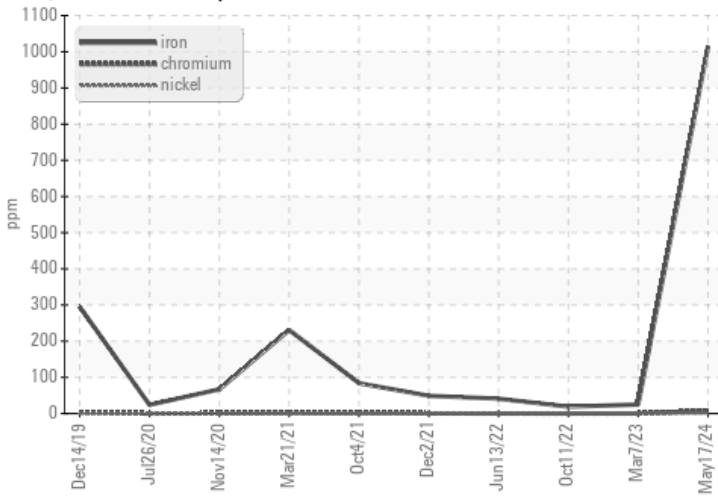
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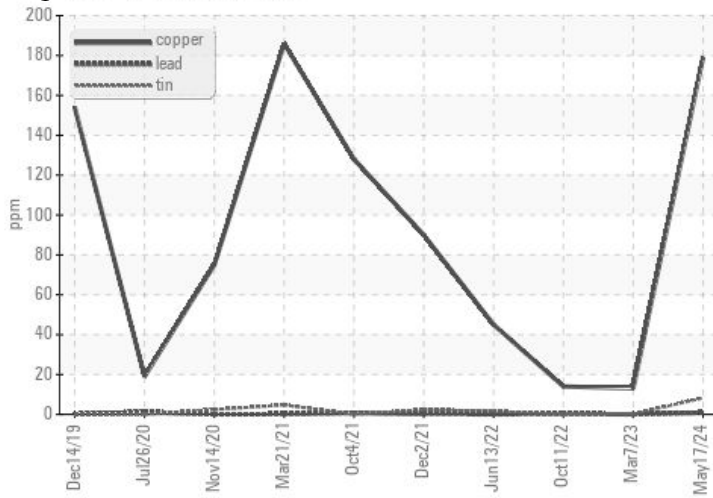


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

