

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 050030-1334 - Rear Differential

Sample No: LH0272209

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### Sample Information

Sample Number	LH0272209	LH0244440	LH0229222	LH0229216
Sample Date	06 May 2024	12 Apr 2023	05 Dec 2022	01 Aug 2022
Machine Hours	15794	13015	12170	11123
Oil Hours	2779	845	1047	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	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	216	192	185	181
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T:  
 F: (978)658-8928



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	2	2	2
Sodium	ppm	2	<1	4	3
Potassium	ppm	2	0	2	<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 oil. The condition of the oil is acceptable for the time in service.



#### Wear Metals

Iron	ppm	317	24	110	433
Copper	ppm	38	<1	65	47
Lead	ppm	<1	0	4	<1
Tin	ppm	2	0	<1	2
Aluminum	ppm	2	<1	<1	2
Chromium	ppm	3	<1	1	3
Molybdenum	ppm	<1	0	<1	0
Nickel	ppm	<1	0	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	7	<1	3	9
Vanadium	ppm	<1	<1	0	0



#### Additives

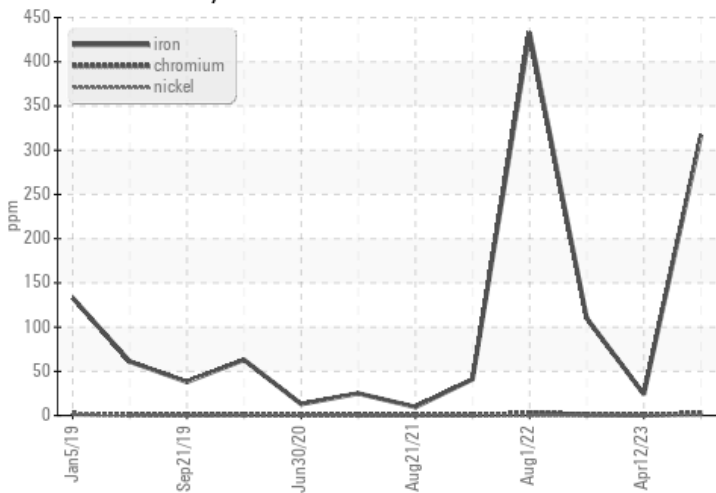
Calcium	ppm	23	27	25	11
Magnesium	ppm	3	1	2	0
Zinc	ppm	23	153	21	44
Phosphorus	ppm	2629	2321	2176	2089
Barium	ppm	0	0	0	0
Boron	ppm	0	0	<1	0

Depot: BENWILLH  
 Unique No: 11030889  
 Signed: Sean Felton  
 Report Date: 16 May 2024

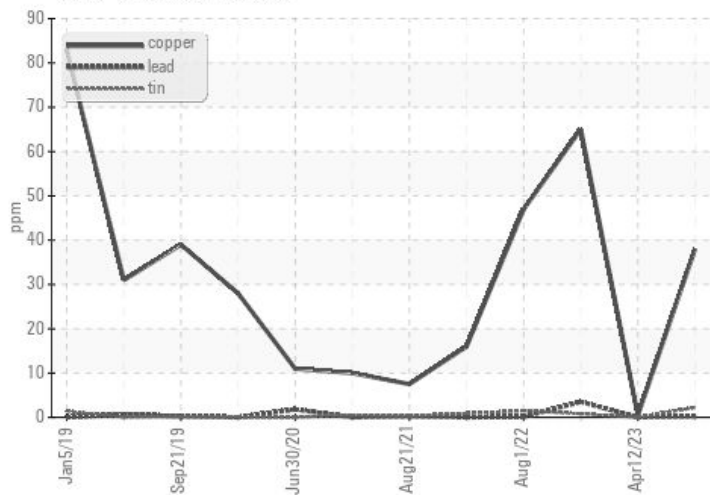


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

