

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L566 1332-62108 - Rear Differential

Sample No: LH0264017

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0264017	LH0176281	LH0236720	LH0231324
Sample Date	16 Aug 2023	23 Mar 2023	11 Jan 2023	29 Sep 2022
Machine Hours	6834	5480	0	3484
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

#### ALTER SCRAP

1640 BRUCE STREET  
MILWAUKEE, WI  
US 53227  
Contact: JEFF KOENIGS



#### OIL CONDITION

Visc @ 40°C	cSt	122	113	131	122
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T: 541-8700  
F: (414)541-1892



#### CONTAMINATION

Silicon	ppm	1	1	4	12
Sodium	ppm	0	2	2	2
Potassium	ppm	<1	0	0	2

#### 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	70	32	148	409
Copper	ppm	14	12	36	130
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	2	7
Aluminum	ppm	0	<1	<1	2
Chromium	ppm	<1	0	<1	2
Molybdenum	ppm	2	9	1	9
Nickel	ppm	<1	<1	2	3
Titanium	ppm	3	4	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	7	21
Vanadium	ppm	0	0	0	0



#### ADDITIVES

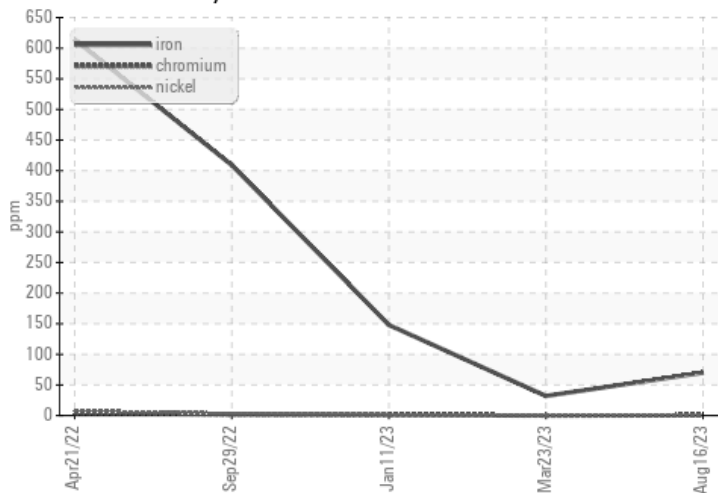
Calcium	ppm	89	177	43	148
Magnesium	ppm	52	72	7	53
Zinc	ppm	66	132	14	103
Phosphorus	ppm	892	794	771	1184
Barium	ppm	0	0	0	0
Boron	ppm	19	28	11	55

Depot: ALTMILWI  
Unique No: 10630990  
Signed: Sean Felton  
Report Date: 05 Sep 2023

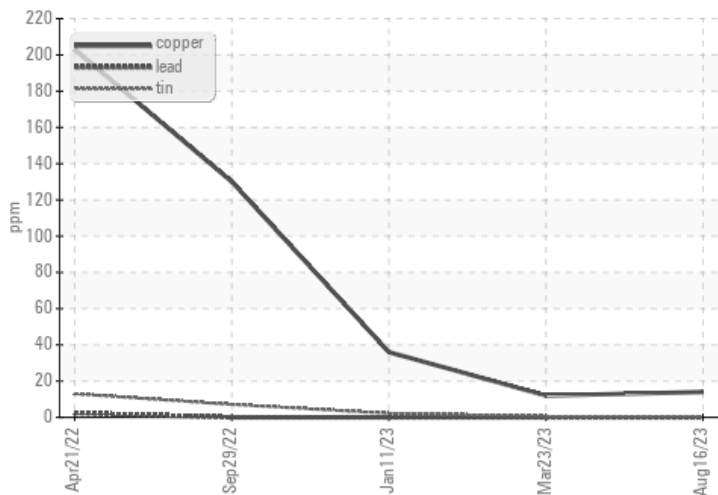


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

