

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A918 095565-1184 - Rear Differential

Sample No: LH0264446

Oil Type: LIEBHERR GEAR BASIC 90 LS



**UNITED SCRAP**  
1545 S CICERO AVE  
BURR RIDGE, IL  
US 60527  
Contact: Service Manager



#### Sample Information

Sample Number	LH0264446	LH0268878	LH0235998	LHMC130187
Sample Date	12 Jun 2024	24 Jan 2024	23 Sep 2022	19 Sep 2020
Machine Hours	17064	15862	9705	3571
Oil Hours	1000	1000	0	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### Oil Condition

Visc @ 40°C	cSt	134	135	127	147
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T:  
F:



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	1	4	<1
Sodium	ppm	0	2	2	6
Potassium	ppm	2	1	<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	20	17	23	3
Copper	ppm	3	2	2	5
Lead	ppm	<1	<1	<1	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	3	<1	2	0
Chromium	ppm	<1	0	4	<1
Molybdenum	ppm	1	0	1	0
Nickel	ppm	<1	0	0	0
Titanium	ppm	<1	0	<1	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	<1	0	0	0



#### Additives

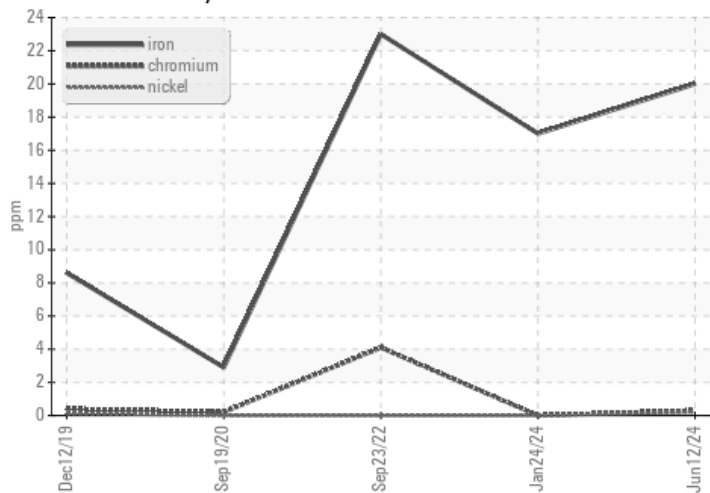
Calcium	ppm	67	67	130	500
Magnesium	ppm	14	17	28	1
Zinc	ppm	33	28	57	227
Phosphorus	ppm	1357	1478	1771	2062
Barium	ppm	3	2	<1	0
Boron	ppm	216	210	303	12

Depot: UNIBURIL  
Unique No: 11103627  
Signed: Jonathan Hester  
Report Date: 03 Jul 2024

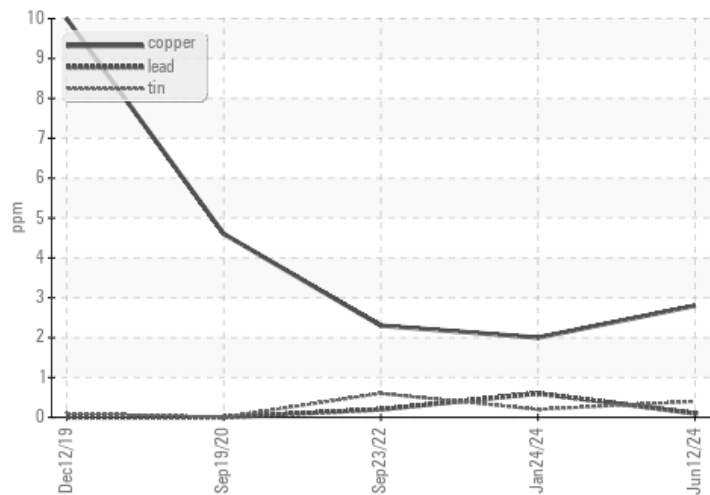


### Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

