

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A918 095565-1184 - Front Differential

Sample No: LH0264440

Oil Type: LIEBHERR GEAR BASIC 90 LS



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

T:  
 F:



#### Sample Information

Sample Number	LH0264440	LH0268876	LH0235818	LHMC130185
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	ABNORMAL	NORMAL	NORMAL



#### Oil Condition

Visc @ 40°C	cSt	126	130	124	178
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	2	<1	1
Sodium	ppm	0	2	1	3
Potassium	ppm	2	2	0	<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	13	17	15	7
Copper	ppm	1	2	<1	<1
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	3	<1	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	2	<1	2	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	<1	2	1	1
Vanadium	ppm	<1	0	0	0



#### Additives

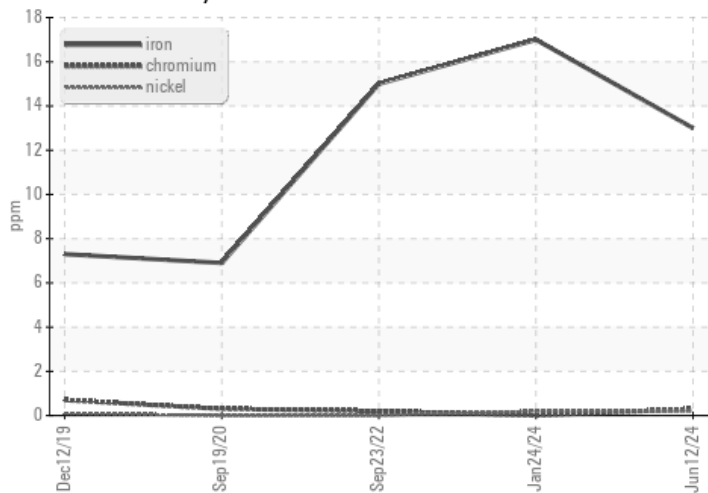
Calcium	ppm	72	84	88	208
Magnesium	ppm	22	37	36	<1
Zinc	ppm	42	49	51	73
Phosphorus	ppm	1596	1764	1807	2253
Barium	ppm	<1	0	0	0
Boron	ppm	330	313	336	7

Depot: UNIBURIL  
 Unique No: 11103628  
 Signed: Jonathan Hester  
 Report Date: 03 Jul 2024

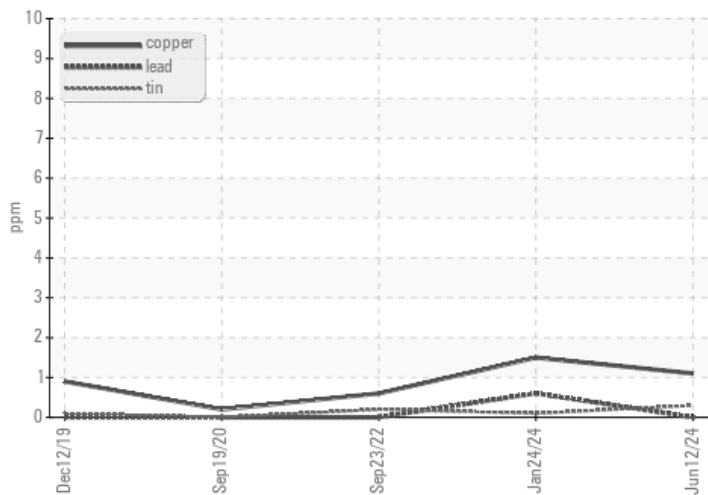


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

