

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L586 048061-1334 - Rear Differential

Sample No: LH0258027

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0258027	LH0220146	LH0236176	LH0207480
Sample Date	29 Jun 2023	24 Feb 2023	14 Sep 2022	07 Mar 2022
Machine Hours	6839	5960	5320	4013
Oil Hours	500	1000	0	1200
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

#### TT & E IRON

1529 WEST GARNER RD  
GARNER, NC  
US 27529  
Contact: MICHAEL STANCIL  
culaterprowler@aol.com  
T: (919)524-4326  
F:



#### OIL CONDITION

Visc @ 40°C	cSt	187	173	172	189
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#### CONTAMINATION

Element	ppm	2	4	2	6
Silicon	ppm	2	4	2	6
Sodium	ppm	0	3	3	6
Potassium	ppm	1	0	0	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

Element	ppm	32	80	52	102
Iron	ppm	32	80	52	102
Copper	ppm	100	167	182	122
Lead	ppm	0	0	2	2
Tin	ppm	<1	<1	1	2
Aluminum	ppm	0	<1	<1	1
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	0	<1	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	3	8	7	17
Vanadium	ppm	0	0	0	0



#### ADDITIVES

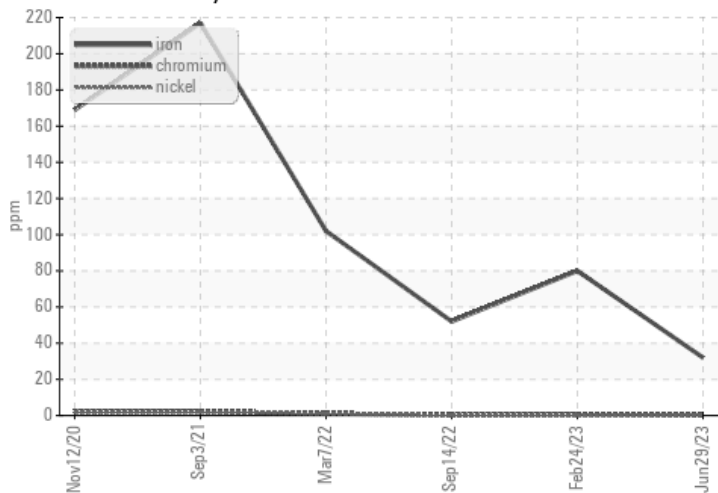
Element	ppm	15	34	34	16
Calcium	ppm	15	34	34	16
Magnesium	ppm	0	<1	0	0
Zinc	ppm	63	128	109	78
Phosphorus	ppm	2301	2220	2135	2435
Barium	ppm	0	0	0	0
Boron	ppm	4	<1	6	1

Depot: TTENEW  
Unique No: 10561666  
Signed: Sean Felton  
Report Date: 19 Jul 2023

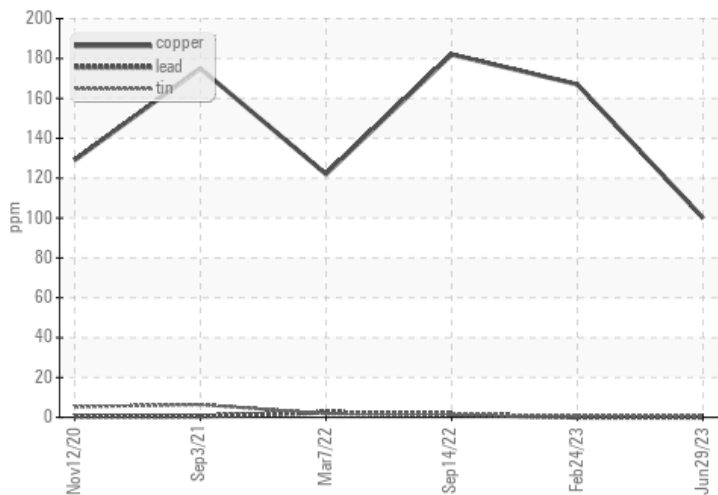


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

