

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L550 1756-59860 - Front Differential

Sample No: LH0257962

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0257962	LH0198681	LH0198668	LH05393803
Sample Date	13 Jul 2023	06 May 2022	25 Feb 2022	06 Nov 2021
Machine Hours	8893	5212	4088	2931
Oil Hours	1000	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**HOMWOOD DISPOSAL**

1501 175TH ST  
HOMWOOD, IL  
US 60430

Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	137	134	141	145
-------------	-----	-----	-----	-----	-----

T:  
F:



#### CONTAMINATION

Silicon	ppm	2	3	3	3
Sodium	ppm	1	2	2	3
Potassium	ppm	0	3	10	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	37	63	73	122
Copper	ppm	13	17	14	19
Lead	ppm	0	0	0	<1
Tin	ppm	<1	1	<1	<1
Aluminum	ppm	2	1	<1	<1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	2	2	2	6
Nickel	ppm	0	0	0	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	0	<1	<1	<1
Manganese	ppm	1	3	5	9
Vanadium	ppm	0	0	0	0



#### ADDITIVES

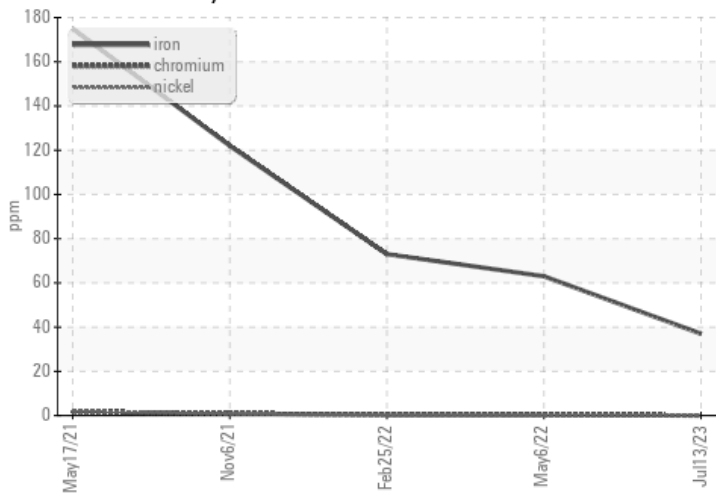
Calcium	ppm	17	259	37	179
Magnesium	ppm	0	2	3	4
Zinc	ppm	<1	96	8	53
Phosphorus	ppm	597	1925	1971	2393
Barium	ppm	0	0	0	0
Boron	ppm	25	347	311	418

Depot: HOMHOMLH  
Unique No: 10670874  
Signed: Don Baldrige  
Report Date: 01 Oct 2023

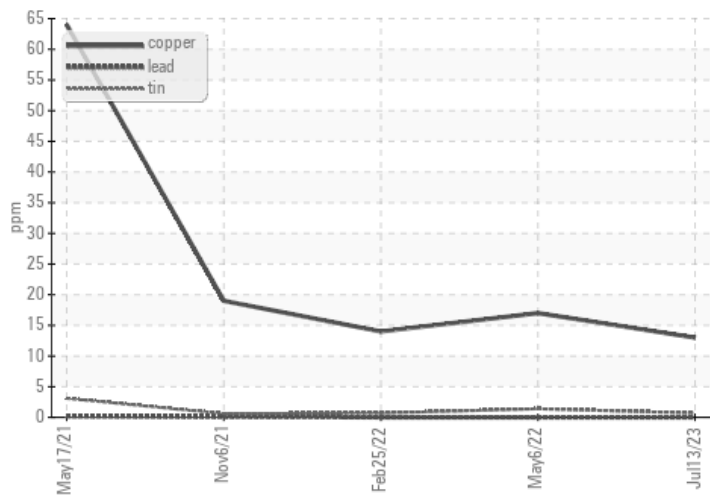


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

