

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L550 1756-59860 - Rear Differential

Sample No: LH0243715

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0243715	LH0257981	LH0198682	LH0198669
Sample Date	06 Dec 2023	13 Jul 2023	06 May 2022	25 Feb 2022
Machine Hours	9839	8893	5212	4088
Oil Hours	1000	1000	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**HOMEWOOD DISPOSAL**

1501 175TH ST  
HOMEWOOD, IL  
US 60430

Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	144	137	133	155
-------------	-----	-----	-----	-----	-----

T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	3	2
Sodium	ppm	1	<1	0	<1
Potassium	ppm	0	<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	42	28	61	46
Copper	ppm	8	10	13	8
Lead	ppm	0	<1	0	0
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	0	<1	<1	<1
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	2	2	7	3
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	0	<1
Manganese	ppm	1	<1	2	2
Vanadium	ppm	0	0	0	0



#### ADDITIVES

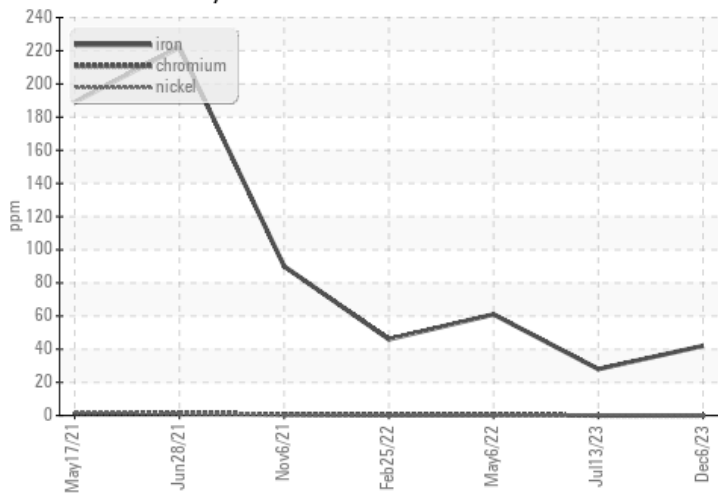
Calcium	ppm	8	14	27	37
Magnesium	ppm	0	2	5	14
Zinc	ppm	1	11	11	15
Phosphorus	ppm	575	589	1962	2043
Barium	ppm	0	<1	0	0
Boron	ppm	11	24	346	360

Depot: HOMHOMLH  
Unique No: 10844581  
Signed: Wes Davis  
Report Date: 23 Jan 2024

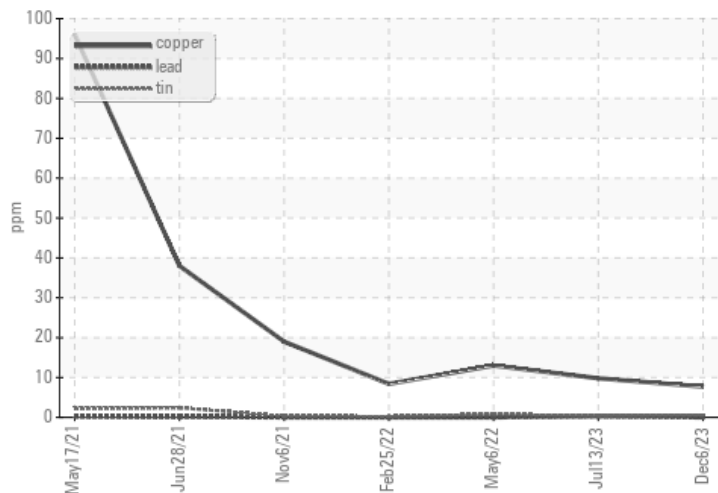


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

