

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L556 1826-66703 - Splitter Box

Sample No: LH0243714

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0243714	LH0244235	LH0231023	LH0207833
Sample Date	15 Dec 2023	02 Jun 2023	30 Sep 2022	21 Jun 2022
Machine Hours	7039	5209	2442	1240
Oil Hours	500	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

**ALTER TRADING**  
 201 WHEELER AVE  
 SOUTH BELOIT, IL  
 US 61080  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	116	107	172	169

T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	1	3	1	<1
Sodium	ppm	2	2	0	8
Potassium	ppm	2	0	1	<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	5	25	37	88
Copper	ppm	<1	2	1	2
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	0	<1
Aluminum	ppm	<1	0	1	2
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	1	10	<1	<1
Nickel	ppm	<1	0	0	2
Titanium	ppm	<1	5	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	1	3
Vanadium	ppm	0	<1	0	0



#### ADDITIVES

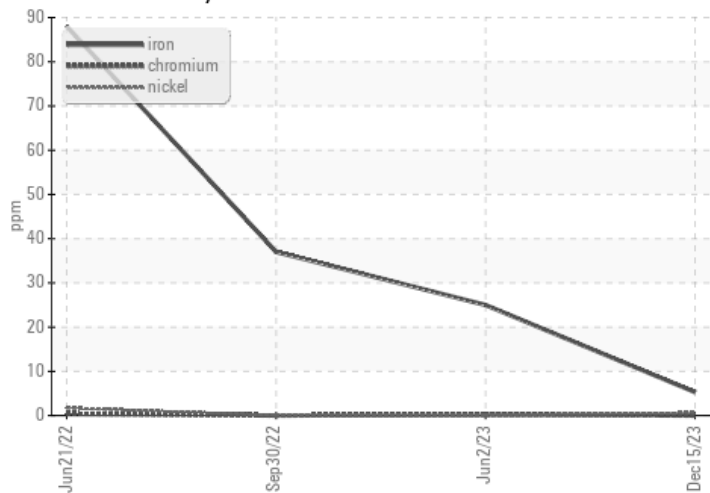
Calcium	ppm	35	166	6	34
Magnesium	ppm	28	41	3	7
Zinc	ppm	41	58	67	56
Phosphorus	ppm	908	760	2253	1774
Barium	ppm	0	0	0	23
Boron	ppm	7	20	2	9

Depot: ALTSOU  
 Unique No: 10809081  
 Signed: Don Baldrige  
 Report Date: 03 Jan 2024

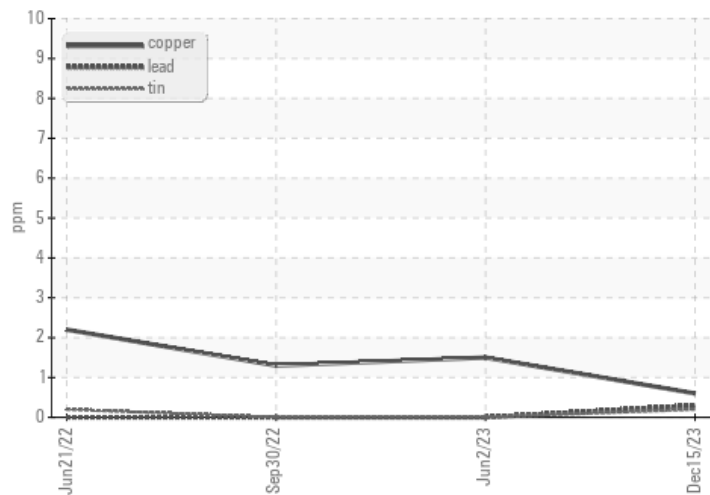


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

