

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 040770-1170 - Splitter Box

Sample No: LH0264334

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0264334	LH0174207	LH0158229	LHMC94892
Sample Date	08 Aug 2023	28 Apr 2023	28 Jan 2020	05 Sep 2019
Machine Hours	9297	8817	4208	3503
Oil Hours	500	500	700	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

#### LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD  
 RALEIGH, NC  
 US 27603  
 Contact: TRAVIS EGAN  
 travis.egan@liebherr.com  
 T:  
 F: (919)329-0084



#### OIL CONDITION

Visc @ 40°C	cSt	188	159	170	178
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#### CONTAMINATION

Silicon	ppm	3	1	2	1
Sodium	ppm	0	1	2	<1
Potassium	ppm	<1	2	1	0



#### WEAR METALS

Iron	ppm	39	30	17	14
Copper	ppm	<1	<1	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	<1	0	0
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	2	2	1	1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	22	26	65	21
Magnesium	ppm	2	2	<1	<1
Zinc	ppm	38	65	40	34
Phosphorus	ppm	2144	2018	2002	1929
Barium	ppm	1	0	0	0
Boron	ppm	0	2	<1	1

#### Diagnosis

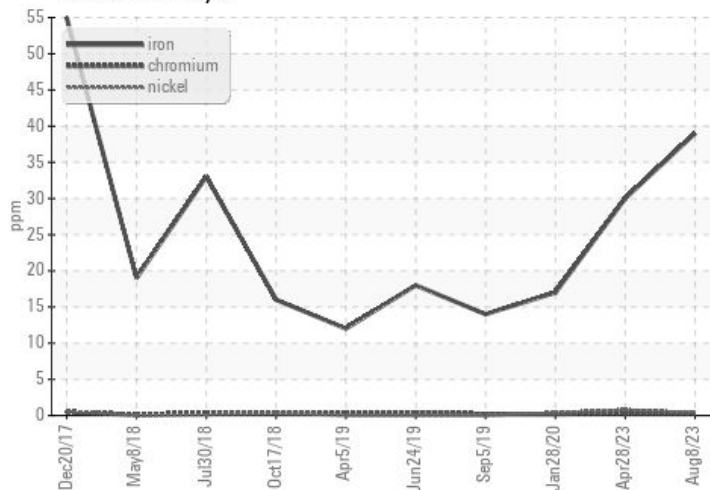
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRNC  
 Unique No: 10602505  
 Signed: Don Baldrige  
 Report Date: 14 Aug 2023

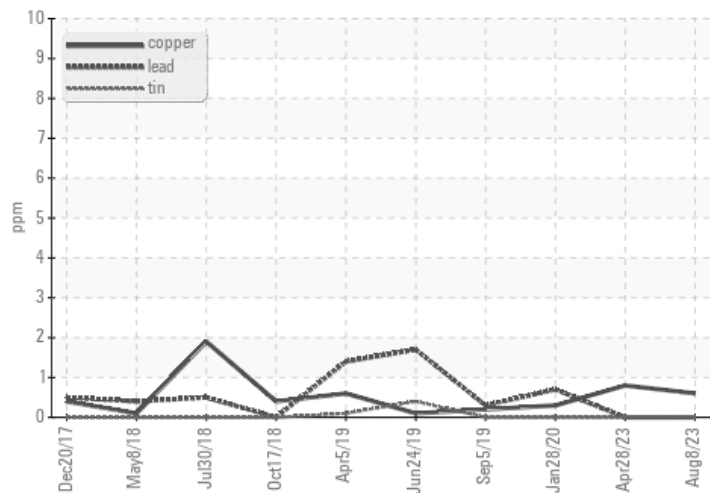


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

