

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L580 040770-1170 - Transmission (Auto)

Sample No: LH0267340

Oil Type: LIEBHERR HYDRAULIC-GEAR ATF



#### SAMPLE INFORMATION

Sample Number	<b>LH0267340</b>	LH0264337	LH0174209	LH0216939
Sample Date	<b>23 Aug 2023</b>	08 Aug 2023	28 Apr 2023	24 Mar 2022
Machine Hours	<b>9335</b>	9297	8817	7403
Oil Hours	<b>500</b>	500	500	500
Oil Changed	<b>Not Changd</b>	Not Changd	Not Changd	Not Changd
Sample Status	<b>NORMAL</b>	ABNORMAL	SEVERE	ABNORMAL

#### 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	<b>32.9</b>	30.9	32.0	29.6
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#### CONTAMINATION

Silicon	ppm	<b>7</b>	6	11	5
Sodium	ppm	<b>5</b>	2	5	0
Potassium	ppm	<b>0</b>	<1	0	1



#### WEAR METALS

Iron	ppm	<b>17</b>	13	30	14
Copper	ppm	<b>1</b>	2	4	1
Lead	ppm	<b>0</b>	<1	0	<1
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>27</b>	61	114	40
Chromium	ppm	<b>0</b>	0	0	0
Molybdenum	ppm	<b>0</b>	2	0	0
Nickel	ppm	<b>0</b>	<1	0	0
Titanium	ppm	<b>0</b>	0	<1	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	<1	1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



#### ADDITIVES

Calcium	ppm	<b>825</b>	802	790	861
Magnesium	ppm	<b>2</b>	3	0	0
Zinc	ppm	<b>0</b>	4	0	0
Phosphorus	ppm	<b>167</b>	160	177	165
Barium	ppm	<b>0</b>	2	0	0
Boron	ppm	<b>235</b>	244	238	225

#### Diagnosis

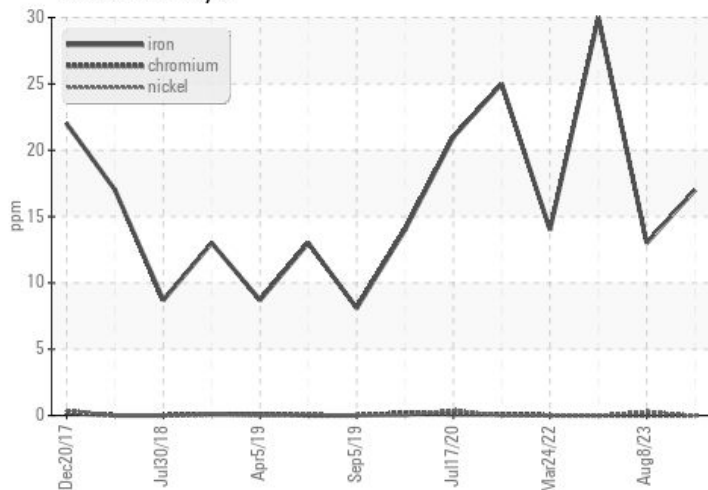
No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: LIEBHERRNC  
 Unique No: 10619858  
 Signed: Doug Bogart  
 Report Date: 30 Aug 2023

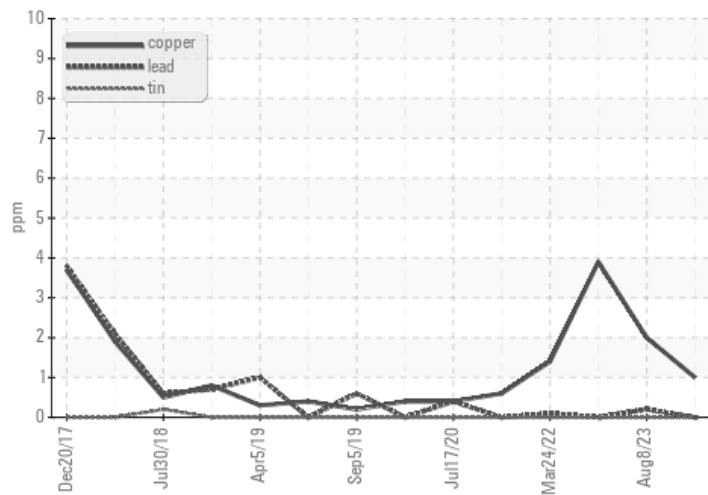


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

