

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 040770-1170 - Splitter Box

Sample No: LH0268679

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0268679	LH0267404	LH0264334	LH0174207
Sample Date	15 Feb 2024	22 Nov 2023	08 Aug 2023	28 Apr 2023
Machine Hours	10135	9737	9297	8817
Oil Hours	400	400	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD
RALEIGH, NC
US 27603

Contact: Timothy Bailey
timothy.bailey@liebherr.com

T:
F: (919)329-0084



OIL CONDITION

Visc @ 40°C	cSt	190	178	188	159
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	2	3	1
Sodium	ppm	0	0	0	1
Potassium	ppm	<1	<1	<1	2



WEAR METALS

Iron	ppm	28	40	39	30
Copper	ppm	<1	0	<1	<1
Lead	ppm	0	1	0	0
Tin	ppm	0	0	0	0
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	<1	0	<1	<1
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	2	2	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	11	15	22	26
Magnesium	ppm	2	4	2	2
Zinc	ppm	13	28	38	65
Phosphorus	ppm	2335	2470	2144	2018
Barium	ppm	0	0	1	0
Boron	ppm	0	4	0	2

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRNC

Unique No: 10885386

Signed: Sean Felton

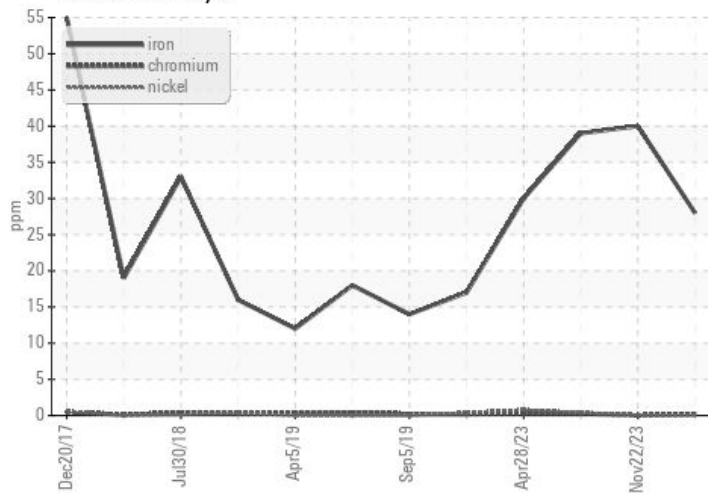
Report Date: 20 Feb 2024

Submitted By: TAYLOR BLALOCK

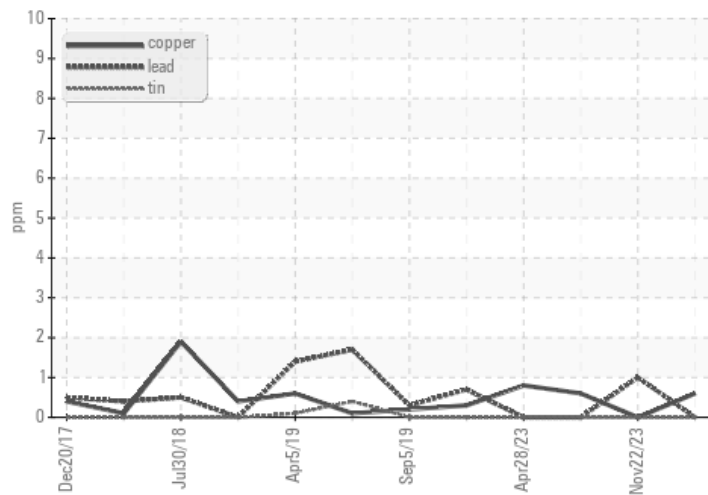


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

