

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30 1200-79571 - Splitter Box

Sample No: LH0263909

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	<b>LH0263909</b>	LHMC113647	LHMC113603	LHMC31584
Sample Date	<b>03 Oct 2023</b>	15 Nov 2018	02 Nov 2017	28 Nov 2016
Machine Hours	<b>12990</b>	7960	4279	2123
Oil Hours	<b>0</b>	250	250	1139
Oil Changed	<b>Not Chngd</b>	Changed	N/A	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

#### ROCHESTER IRON AND METAL

1552 EAST LUCAS ST

ROCHESTER, IN

US 46975

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#### OIL CONDITION

Visc @ 40°C	cSt	● 108.9	● 122.2	● 135.4	● 130.4
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#### CONTAMINATION

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



#### WEAR METALS

Iron	ppm	● 8	● 98	● 32	● 89
Copper	ppm	● <1	● 1	● <1	● <1
Lead	ppm	● 0	● 0	● 0	● 0
Tin	ppm	● 0	● 0	● 0	● 2
Aluminum	ppm	● 0	● <1	● <1	● 0
Chromium	ppm	● 0	● <1	● <1	● <1
Molybdenum	ppm	● 1	2	● 5	● 3
Nickel	ppm	● 0	● 0	● <1	● 0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	● 0	1	● <1	● <1
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	● 14	10	5	4
Magnesium	ppm	● 2	0	● <1	● 1
Zinc	ppm	● 12	59	8	7
Phosphorus	ppm	● 250	460	682	● 909
Barium	ppm	● 0	0	● 0	● <1
Boron	ppm	● 1	3	● 3	● 69

#### 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: ROCROCLH

Unique No: 10683022

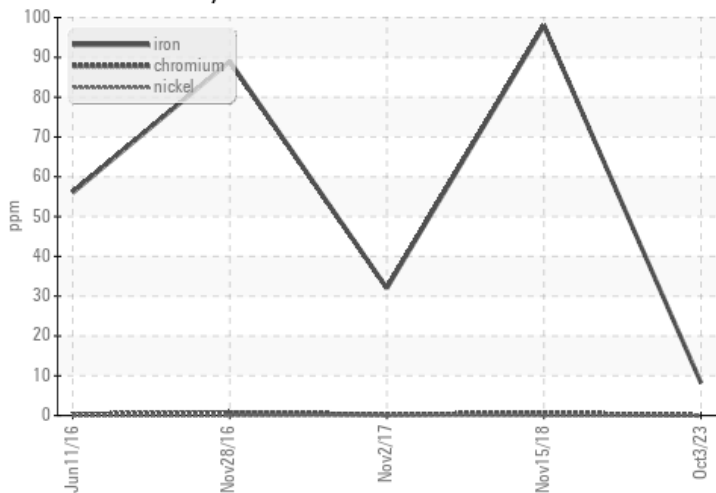
Signed: Doug Bogart

Report Date: 05 Oct 2023

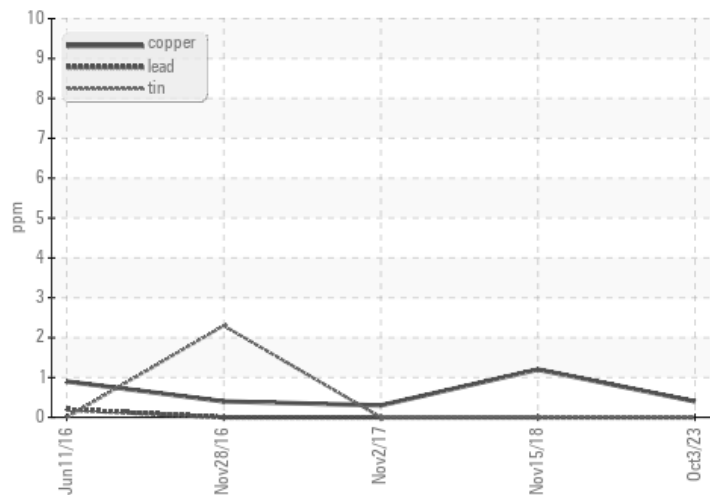


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

