

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH24 1251-107721 - Transmission (Manual)

Sample No: LH0254098

Oil Type: LIEBHERR MOTOROIL 10W-40 LOW ASH



#### SAMPLE INFORMATION

Sample Number	<b>LH0254098</b>	LH0229670	LH0147681	LH0147737
Sample Date	<b>27 Apr 2023</b>	13 Sep 2022	22 Mar 2022	28 Dec 2021
Machine Hours	<b>8247</b>	6696	5504	4955
Oil Hours	<b>0</b>	1192	1113	0
Oil Changed	<b>Not Changd</b>	Changed	Changed	Not Changd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	ABNORMAL

**POTOMAC METALS INC**  
 410 16TH AVENUE  
 RANSON, WV  
 US 25438  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	<b>69.0</b>	78.1	73.2	76.2
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T:  
F:



#### CONTAMINATION

Silicon	ppm	<b>5</b>	8	3	3
Sodium	ppm	<b>7</b>	4	6	6
Potassium	ppm	<b>&lt;1</b>	0	0	3

#### 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	<b>12</b>	13	10	8
Copper	ppm	<b>20</b>	16	22	19
Lead	ppm	<b>0</b>	<1	<1	<1
Tin	ppm	<b>&lt;1</b>	<1	2	1
Aluminum	ppm	<b>&lt;1</b>	4	2	3
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>0</b>	0	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	<1	4
Manganese	ppm	<b>8</b>	6	8	4
Vanadium	ppm	<b>0</b>	<1	0	0



#### ADDITIVES

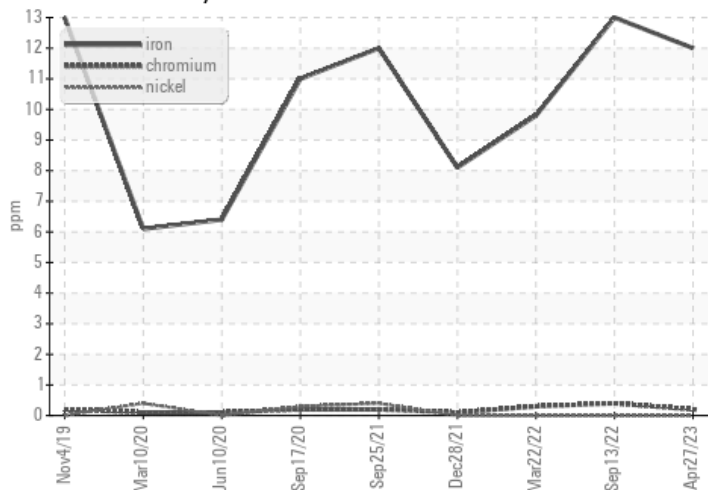
Calcium	ppm	<b>3640</b>	4450	4552	4647
Magnesium	ppm	<b>23</b>	27	29	24
Zinc	ppm	<b>1019</b>	1186	1202	1215
Phosphorus	ppm	<b>914</b>	1009	1117	1159
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>153</b>	288	299	278

**Depot:** POTRAN  
**Unique No:** 10608954  
**Signed:** Sean Felton  
**Report Date:** 21 Aug 2023

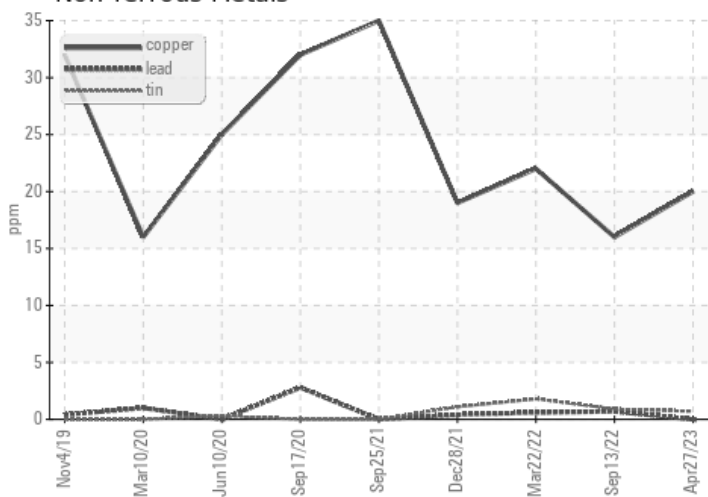


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

