

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH24 1251-1077 21 - Front Right Wheel Hub

Sample No: LH0258004

Oil Type: LIEBHERR 20W40 GEAR PLUS



#### SAMPLE INFORMATION

Sample Number	LH0258004	LH0229673	LH0147683	LH0147739
Sample Date	27 Apr 2023	13 Sep 2022	22 Mar 2022	28 Dec 2021
Machine Hours	8247	6696	5504	4955
Oil Hours	826	1192	1113	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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



#### OIL CONDITION

Visc @ 40°C	cSt	116	115	111	111
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T:  
F:



#### CONTAMINATION

Silicon	ppm	11	7	6	6
Sodium	ppm	3	2	3	1
Potassium	ppm	0	0	0	<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.



#### WEAR METALS

Iron	ppm	19	9	24	8
Copper	ppm	<1	2	4	4
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	0	<1	0
Aluminum	ppm	0	1	<1	2
Chromium	ppm	<1	<1	<1	0
Molybdenum	ppm	0	0	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	<1	0	0



#### ADDITIVES

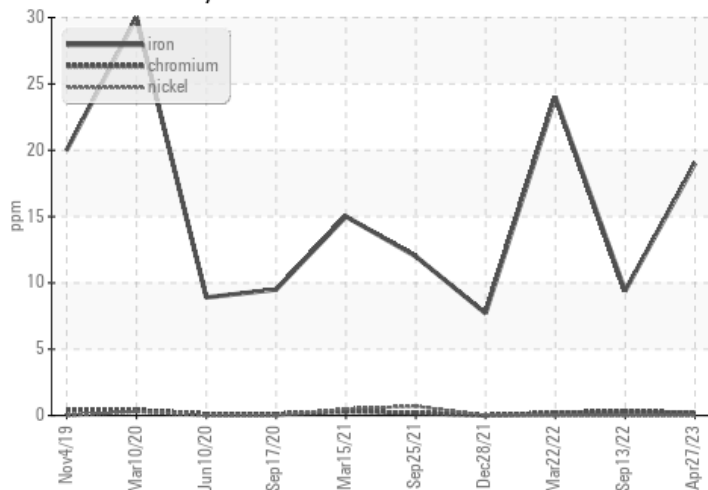
Calcium	ppm	3844	3502	3416	3474
Magnesium	ppm	14	9	7	5
Zinc	ppm	1528	1420	1358	1449
Phosphorus	ppm	1234	1102	1190	1300
Barium	ppm	0	0	0	0
Boron	ppm	120	102	73	67

Depot: POTRAN  
 Unique No: 10608965  
 Signed: Sean Felton  
 Report Date: 21 Aug 2023

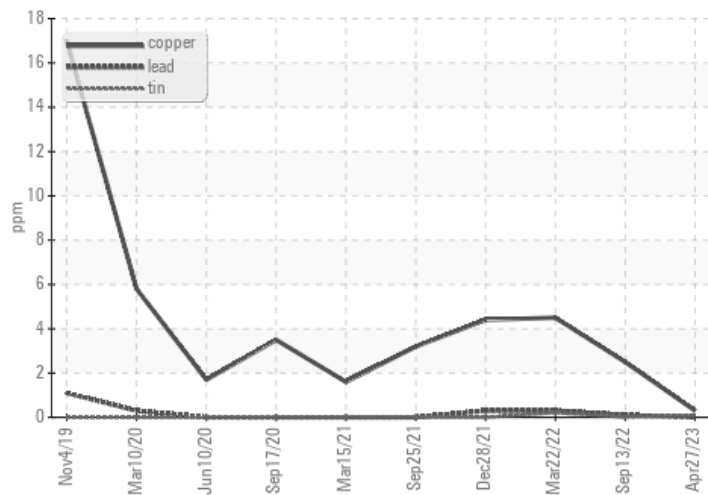


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

