

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH24 1251-107721 - Rear Differential

Sample No: LH0258003

Oil Type: LIEBHERR 20W40 GEAR PLUS



#### SAMPLE INFORMATION

Sample Number	LH0258003	LH0229672	LH0147676	LH0147732
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	Not Changd
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	118	110	110	109
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T:  
F:



#### CONTAMINATION

Silicon	ppm	8	6	7	7
Sodium	ppm	1	0	1	0
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	6	5	8	4
Copper	ppm	0	<1	<1	1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	<1	2
Chromium	ppm	<1	<1	0	0
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	<1	0	0



#### ADDITIVES

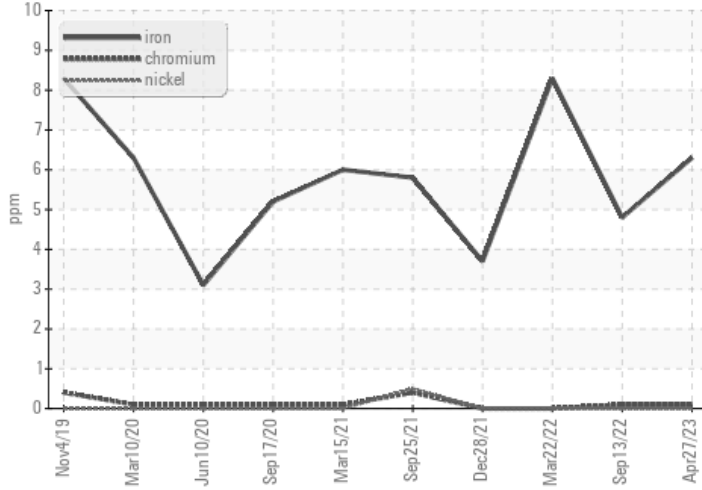
Calcium	ppm	3165	3040	3235	3416
Magnesium	ppm	13	10	10	8
Zinc	ppm	1269	1287	1301	1431
Phosphorus	ppm	1180	1026	1144	1295
Barium	ppm	0	0	0	0
Boron	ppm	62	29	46	44

Depot: POTRAN  
 Unique No: 10608971  
 Signed: Sean Felton  
 Report Date: 21 Aug 2023

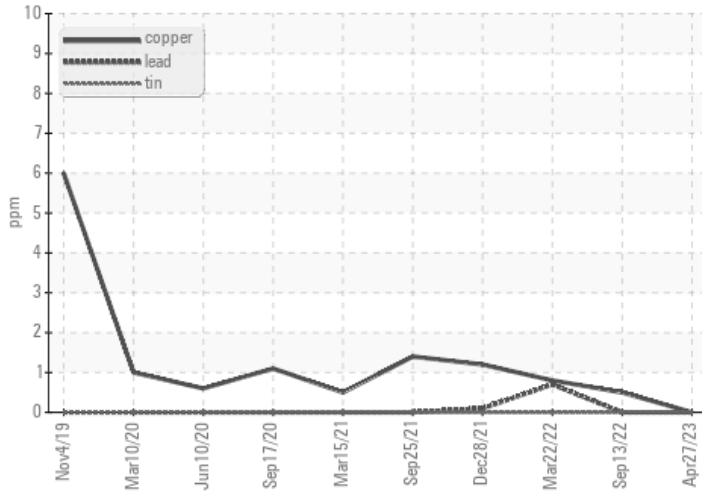


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

