

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A918 095565-1184 - Rear Differential

Sample No: LH0268878

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	<b>LH0268878</b>	LH0235998	LHMC130187	LHMC130527
Sample Date	<b>24 Jan 2024</b>	23 Sep 2022	19 Sep 2020	12 Dec 2019
Machine Hours	<b>15862</b>	9705	3571	600
Oil Hours	<b>1000</b>	0	1000	600
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**UNITED SCRAP**  
 1545 S CICERO AVE  
 BURR RIDGE, IL  
 US 60527  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	<b>135</b>	127	<b>147</b>	55.4
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>1</b>	4	<1	8
Sodium	ppm	<b>2</b>	2	6	22
Potassium	ppm	<b>1</b>	<1	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>17</b>	23	3	9
Copper	ppm	<b>2</b>	2	5	10
Lead	ppm	<b>&lt;1</b>	<1	0	0
Tin	ppm	<b>&lt;1</b>	<1	0	<1
Aluminum	ppm	<b>&lt;1</b>	2	0	<1
Chromium	ppm	<b>0</b>	4	<1	<1
Molybdenum	ppm	<b>0</b>	1	0	0
Nickel	ppm	<b>0</b>	0	0	<1
Titanium	ppm	<b>0</b>	<1	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>&lt;1</b>	<1	<1	2
Vanadium	ppm	<b>0</b>	0	0	0



#### ADDITIVES

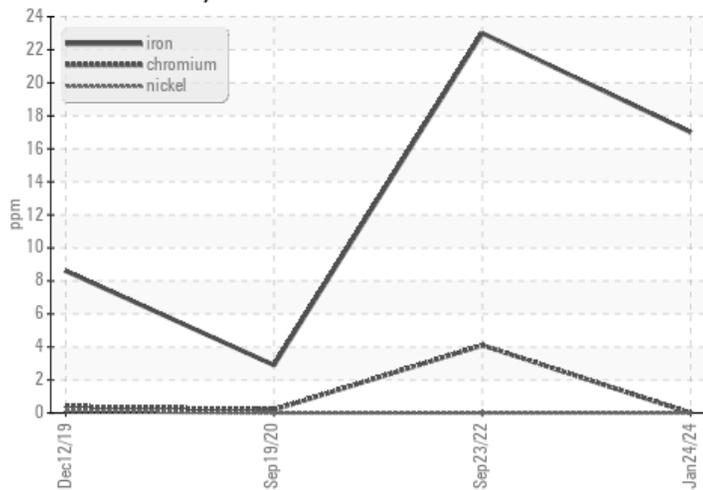
Calcium	ppm	<b>67</b>	130	500	3314
Magnesium	ppm	<b>17</b>	28	1	10
Zinc	ppm	<b>28</b>	57	227	1283
Phosphorus	ppm	<b>1478</b>	1771	2062	1091
Barium	ppm	<b>2</b>	<1	0	0
Boron	ppm	<b>210</b>	303	12	102

**Depot:** UNIBURIL  
**Unique No:** 10884169  
**Signed:** Don Baldrige  
**Report Date:** 18 Feb 2024

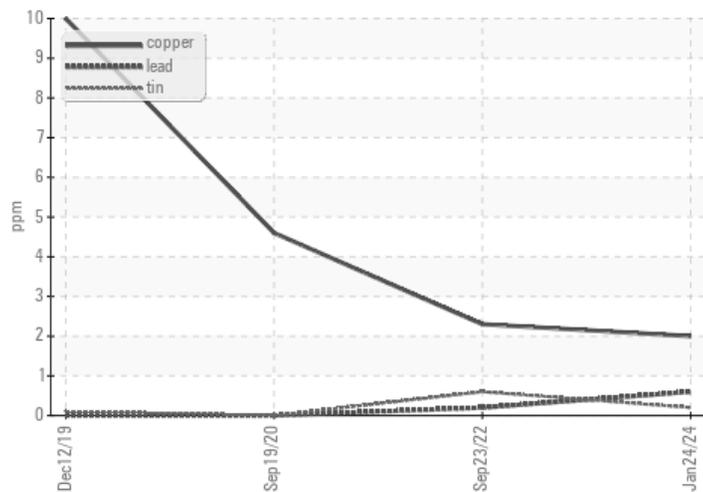


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

