

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 052542-1464 - Rear Differential

Sample No: LH0258280

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0258280	LH0229820	LH0220873	---
Sample Date	11 Sep 2023	22 Dec 2022	12 Feb 2022	---
Machine Hours	4406	3159	1891	---
Oil Hours	1247	1268	1891	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

RECYCLE MANAGEMENT LLC
 1610 S MAIN STREET
 HARRISONBURG, VA
 US 22801
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	178	192	193	---
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T:
F:



CONTAMINATION

Silicon	ppm	2	4	20	---
Sodium	ppm	2	1	6	---
Potassium	ppm	<1	0	2	---

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	23	14	205	---
Copper	ppm	26	15	129	---
Lead	ppm	0	<1	0	---
Tin	ppm	<1	0	6	---
Aluminum	ppm	0	0	2	---
Chromium	ppm	0	<1	3	---
Molybdenum	ppm	0	<1	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	<1	36	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

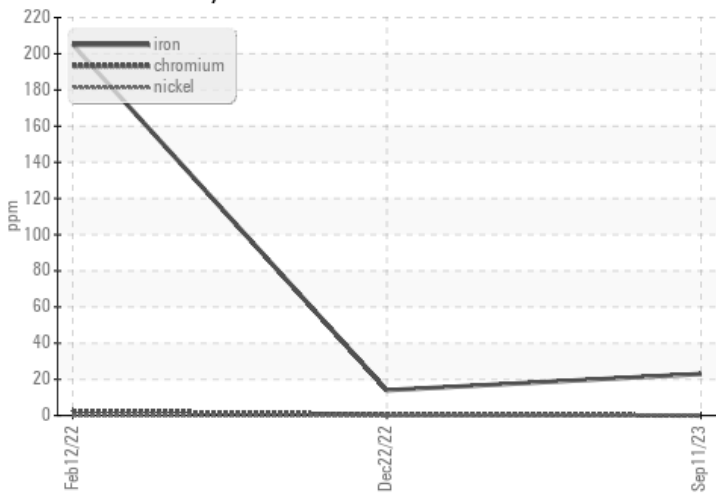
Calcium	ppm	12	1385	7	---
Magnesium	ppm	2	6	0	---
Zinc	ppm	57	699	73	---
Phosphorus	ppm	1817	1124	2230	---
Barium	ppm	0	0	0	---
Boron	ppm	0	29	2	---

Depot: RECHARVA
Unique No: 10736259
Signed: Sean Felton
Report Date: 10 Nov 2023

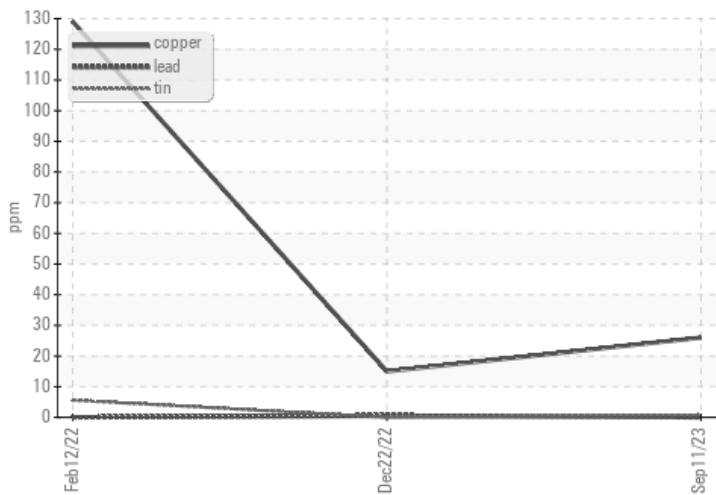


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

