

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 052542-1464 - Front Left Wheel Hub

Sample No: LH0267302

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0267302	LH0229823	---	---
Sample Date	11 Sep 2023	22 Dec 2022	---	---
Machine Hours	4406	3159	---	---
Oil Hours	1247	1268	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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



OIL CONDITION

Visc @ 40°C	cSt	● 188	● 175	---	---
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T:
F:



CONTAMINATION

Silicon	ppm	● 1	● 3	---	---
Sodium	ppm	● 1	● 2	---	---
Potassium	ppm	● <1	● 0	---	---

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	● 22	● 59	---	---
Copper	ppm	● 16	● 35	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	<1	1	---	---
Aluminum	ppm	● 0	● 0	---	---
Chromium	ppm	● 0	● <1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 2	● 6	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

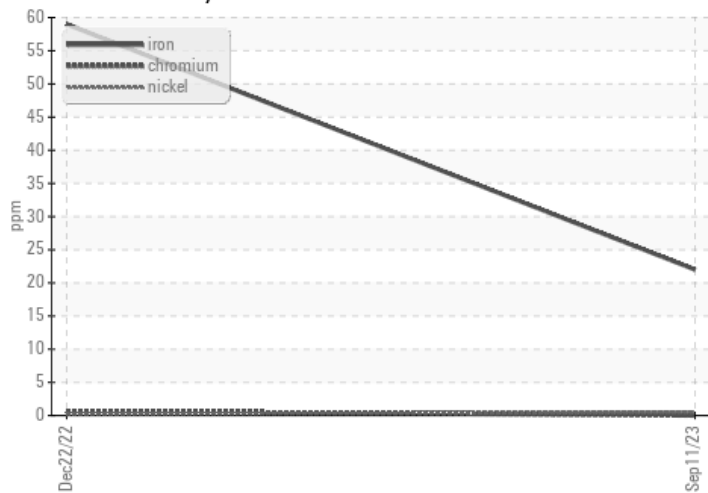
Calcium	ppm	● 7	● 12	---	---
Magnesium	ppm	● 3	● <1	---	---
Zinc	ppm	23	● 37	---	---
Phosphorus	ppm	● 1946	● 2257	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 0	● 0	---	---

Depot: RECHARVA
Unique No: 10736257
Signed: Sean Felton
Report Date: 10 Nov 2023

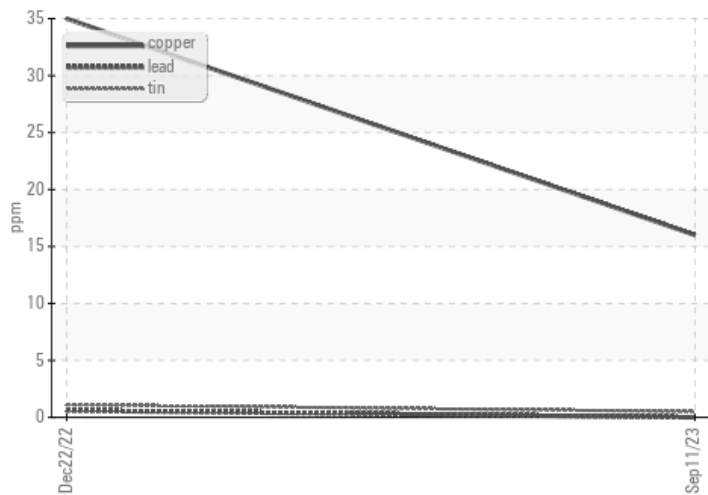


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

