

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 52139-1414 - Rear Axle

Sample No: LH0268568

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0268568	---	---	---
Sample Date	07 Mar 2024	---	---	---
Machine Hours	3560	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD

RALEIGH, NC

US 27603

Contact: Timothy Bailey

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T:

F: (919)329-0084



OIL CONDITION

Visc @ 40°C	cSt	● 186	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 7	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

Iron	ppm	● 85	---	---	---
Copper	ppm	● 79	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 3	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 11	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 91	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 84	---	---	---
Phosphorus	ppm	● 2302	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 4	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRNC

Unique No: 10923511

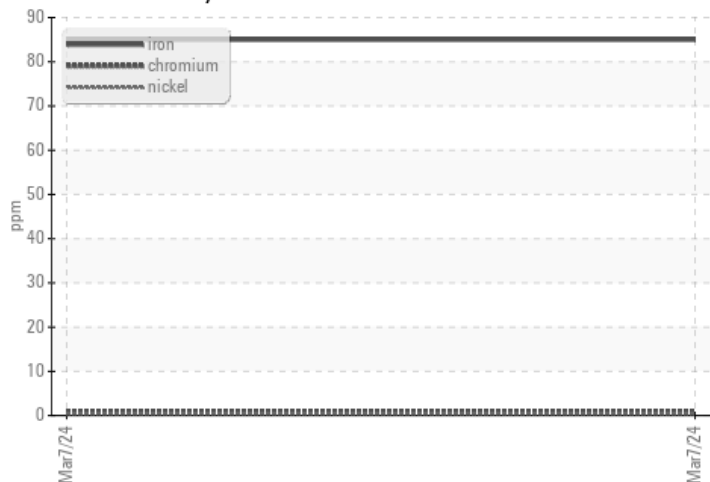
Signed: Sean Felton

Report Date: 14 Mar 2024

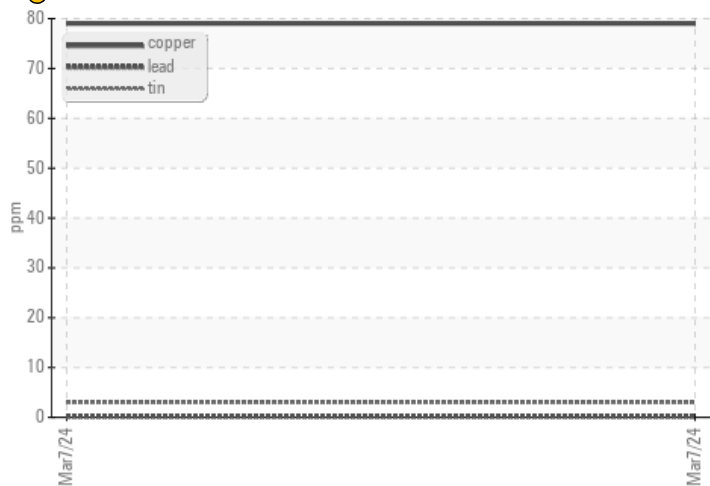


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

