

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR TA230 144017-1513 -Bogie/Center Axle

Sample No: LH0268552

Oil Type: LIEBHERR GEAR MF 80W



LIEBHERR EQUIPMENT SOURCE
 8200 FAYETTEVILLE ROAD
 RALEIGH, NC
 US 27603
 Contact: TRAVIS EGAN
 travis.egan@liebherr.com
 T:
 F: (919)329-0084



SAMPLE INFORMATION

Sample Number	LH0268552	---	---	---
Sample Date	11 Oct 2023	---	---	---
Machine Hours	1356	---	---	---
Oil Hours	671	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 56.5	---	---	---
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CONTAMINATION

Silicon	ppm	● 10	---	---	---
Sodium	ppm	● 7	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

Iron	ppm	● 78	---	---	---
Copper	ppm	● 43	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 2	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 21	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 3127	---	---	---
Magnesium	ppm	● 6	---	---	---
Zinc	ppm	● 1388	---	---	---
Phosphorus	ppm	● 1054	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	41	---	---	---

Diagnosis

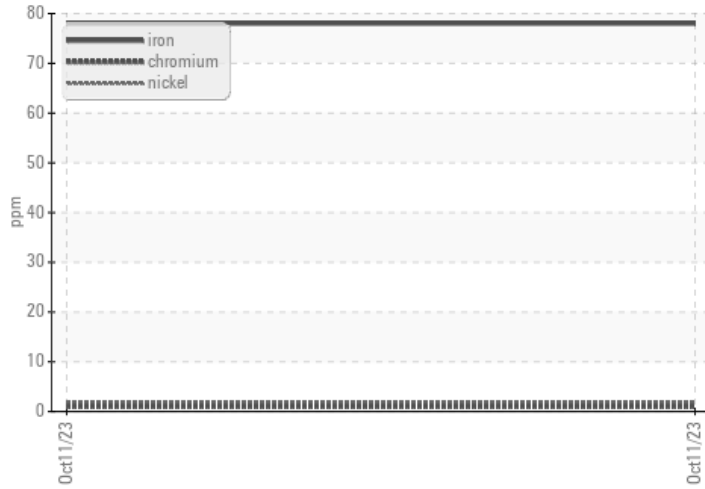
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRNC
Unique No: 10697340
Signed: Don Baldrige
Report Date: 18 Oct 2023



GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

