

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR TA230 144017-1513 - Transmission (Auto)

Sample No: LH0268554

Oil Type: LIEBHERR HYDRAULIC-GEAR ATF



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	LH0268554	---	---	---
Sample Date	11 Oct 2023	---	---	---
Machine Hours	1356	---	---	---
Oil Hours	1356	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 34.8	---	---	---
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CONTAMINATION

Silicon	ppm	● 5	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 1	---	---	---



WEAR METALS

Iron	ppm	● 37	---	---	---
Copper	ppm	● 6	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 158	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 0	---	---	---
Phosphorus	ppm	● 233	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 126	---	---	---

Diagnosis

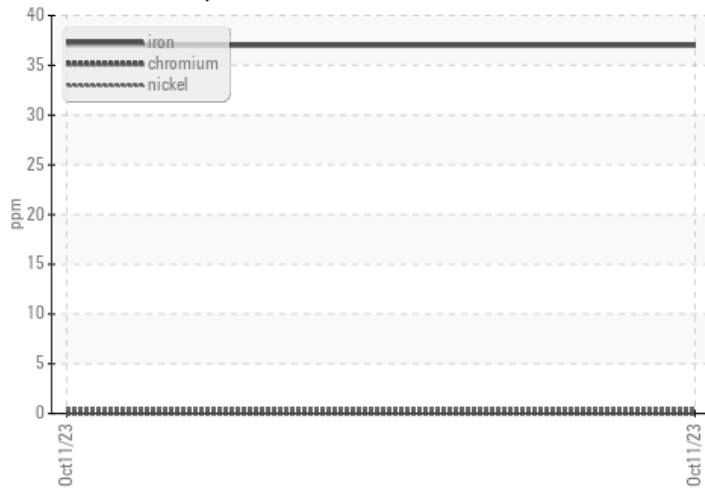
Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: LIEBHERRNC
Unique No: 10697356
Signed: Don Baldrige
Report Date: 18 Oct 2023

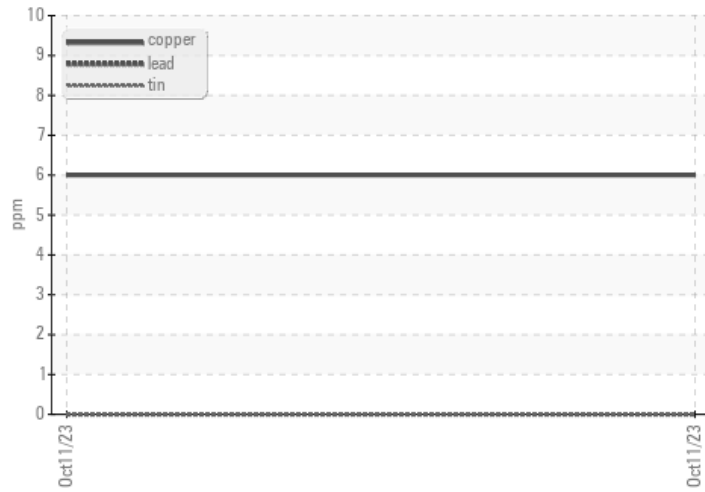


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

