

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR TA230 146784-1513 - Transmission

Sample No: LH0272536

Oil Type: ATF PLUS 37



AMERICAN STATE EQUIPMENT CO.
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 WAUSAU, WI
 US 54401
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 F: (715)675-9748



SAMPLE INFORMATION

Sample Number	LH0272536	---	---	---
Sample Date	29 Nov 2023	---	---	---
Machine Hours	499	---	---	---
Oil Hours	499	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 34.2	---	---	---
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CONTAMINATION

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



WEAR METALS

Iron	ppm	● 54	---	---	---
Copper	ppm	● 5	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	173	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	14	---	---	---
Phosphorus	ppm	293	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	123	---	---	---

Diagnosis

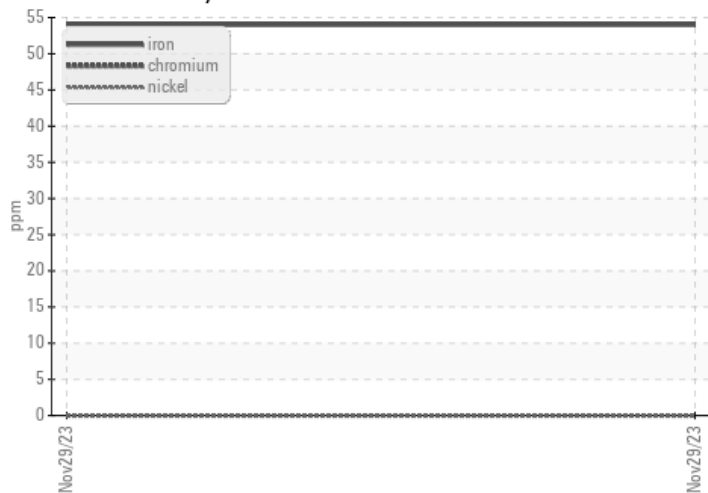
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10782754
 Signed: Don Baldrige
 Report Date: 15 Dec 2023

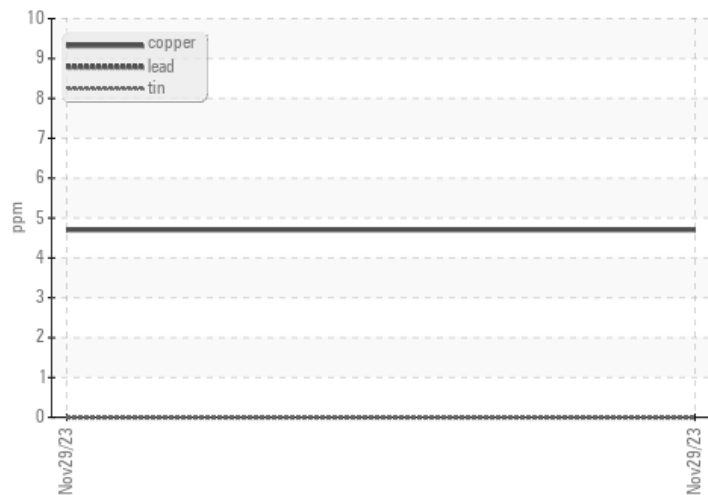


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

