

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH110 1227-155752 - Transmission (Manual)

Sample No: LH0267076

Oil Type: GEAR OIL SAE 80W90



**KINDER MORGAN**  
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 TRINITY, AL  
 US 35601  
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#### Sample Information

Sample Number	LH0267076	LH0267546	---	---
Sample Date	10 Jun 2024	20 May 2024	---	---
Machine Hours	2998	2578	---	---
Oil Hours	967	547	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	ATTENTION	NORMAL	---	---



#### Oil Condition

Visc @ 40°C	cSt	70.8	44.1	---	---
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#### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	3	7	---	---
Sodium	ppm	0	2	---	---
Potassium	ppm	1	2	---	---



#### Wear Metals

Iron	ppm	17	10	---	---
Copper	ppm	1	3	---	---
Lead	ppm	0	<1	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	<1	2	---	---
Molybdenum	ppm	2	12	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	<1	---	---



#### Additives

Calcium	ppm	437	1559	---	---
Magnesium	ppm	34	61	---	---
Zinc	ppm	276	804	---	---
Phosphorus	ppm	717	704	---	---
Barium	ppm	0	0	---	---
Boron	ppm	9	41	---	---

#### Diagnosis

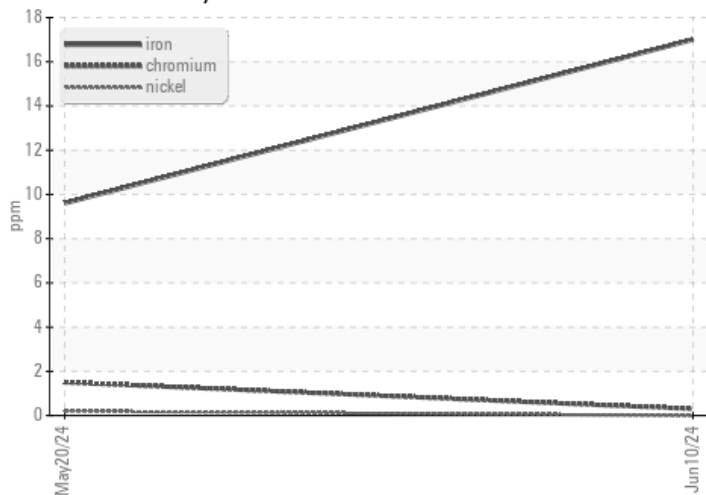
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The fluid viscosity is lower than normal. Confirm oil type.

Depot: KINTRI  
 Unique No: 11089075  
 Signed: Don Baldrige  
 Report Date: 23 Jun 2024

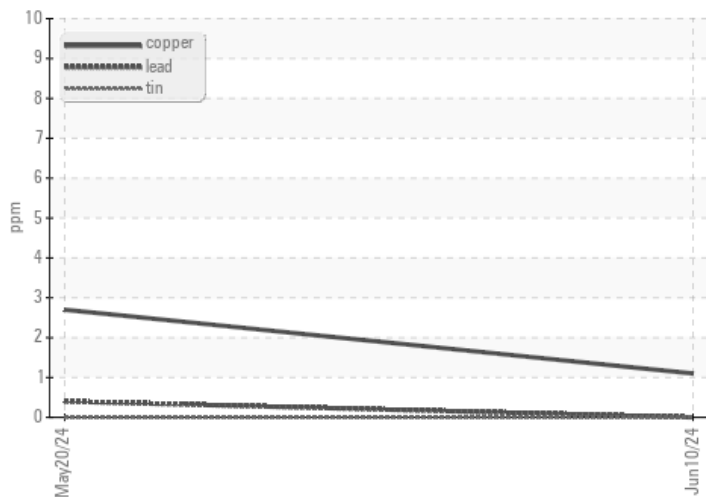


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

