

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH110 155976-1227 - Transmission (Manual)

Sample No: LH0267251

Oil Type: GEAR OIL SAE 80W90



**KINDER MORGAN**

4301 IVERSON

TRINITY, AL

US 35601

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#### Sample Information

Sample Number	LH0267251	LH0267556	---	---
Sample Date	08 Jun 2024	12 May 2024	---	---
Machine Hours	2430	1951	---	---
Oil Hours	479	956	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	ATTENTION	ABNORMAL	---	---



#### Oil Condition

Visc @ 40°C	cSt	73.9	99.9	---	---
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#### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	5	2	---	---
Sodium	ppm	0	1	---	---
Potassium	ppm	1	2	---	---



#### Wear Metals

Iron	ppm	8	10	---	---
Copper	ppm	<1	1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	<1	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	4	3	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	<1	---	---



#### Additives

Calcium	ppm	299	229	---	---
Magnesium	ppm	49	14	---	---
Zinc	ppm	223	105	---	---
Phosphorus	ppm	572	629	---	---
Barium	ppm	0	0	---	---
Boron	ppm	8	3	---	---

#### 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 fluid viscosity is lower than normal. Confirm oil type.

Depot: KINTRI

Unique No: 11089078

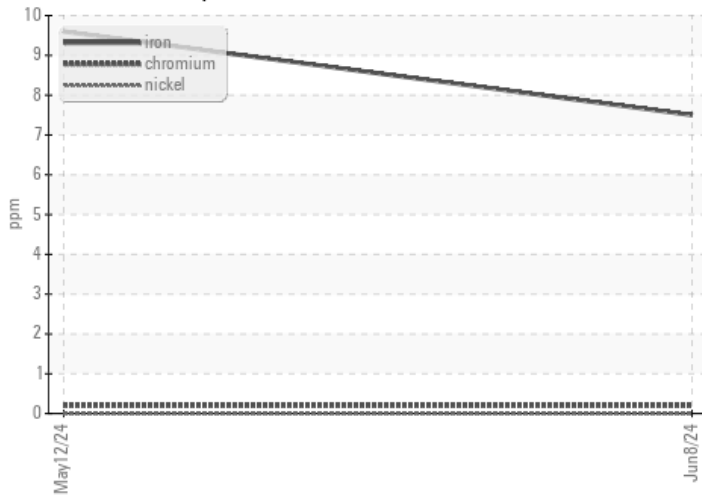
Signed: Don Baldrige

Report Date: 23 Jun 2024

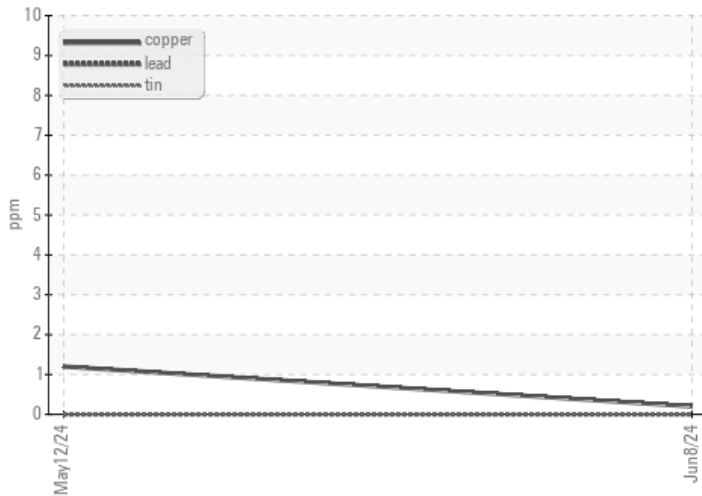


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### ● Viscosity @ 40°C

