

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### 145797-1218 LIEBHERR LH80M 145797-1218 - Front Different

Sample No: LH0257705

Oil Type: LIEBHERR GEAR BASIC 90 LS



TEXAS PORT RECYCLING - HOUSTON PORT  
8945 MANCHESTER ST  
HOUSTON, TX  
US 77012  
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### Sample Information

Sample Number	LH0257705	LH0259158	---	---
Sample Date	10 Jun 2024	09 Apr 2024	---	---
Machine Hours	2017	1579	---	---
Oil Hours	1000	500	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



### Oil Condition

Visc @ 40°C	cSt	● 185	● 191	---	---
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### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 3	● 2	---	---
Sodium	ppm	● 1	● <1	---	---
Potassium	ppm	● 1	● 1	---	---



### Wear Metals

Iron	ppm	● 6	● 3	---	---
Copper	ppm	● 4	● 3	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● <1	● <1	---	---
Aluminum	ppm	● 2	● 2	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 1	● <1	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	● 1	● <1	---	---
Vanadium	ppm	<1	0	---	---



### Additives

Calcium	ppm	● 20	● 4	---	---
Magnesium	ppm	● 4	● 2	---	---
Zinc	ppm	● 18	● 9	---	---
Phosphorus	ppm	● 2260	● 2309	---	---
Barium	ppm	● 5	● 5	---	---
Boron	ppm	● 21	● 12	---	---

### Diagnosis

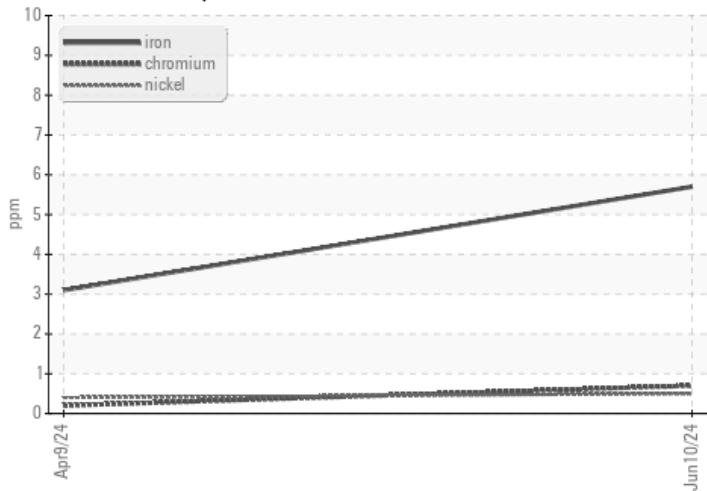
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: TEXHOUWC  
Unique No: 11100908  
Signed: Don Baldrige  
Report Date: 29 Jun 2024

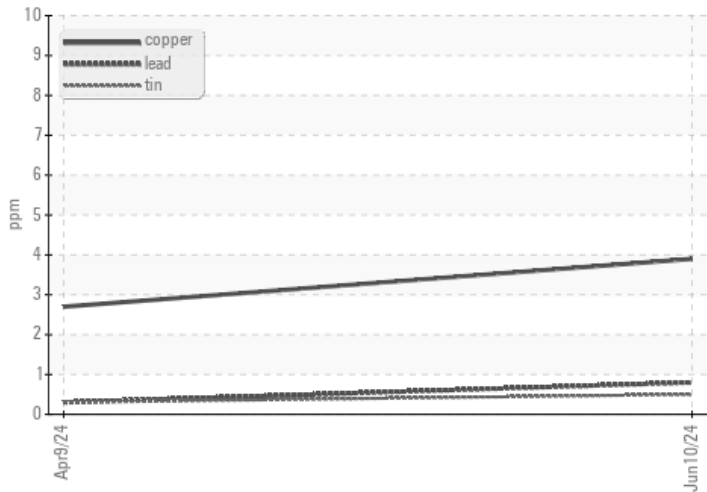


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

