

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 1253-123497 - Rear Differential

Sample No: LH0273450

Oil Type: SUPER S 80W90 LS



**SPARTAN RECYCLING**  
 3071 HOWARD ST  
 SPARTANBURG, SC  
 US 29303  
 Contact: SERVICE MANAGER

T:  
 F:



#### Sample Information

Sample Number	LH0273450	LH0212305	---	---
Sample Date	20 Jun 2024	30 Dec 2021	---	---
Machine Hours	5603	981	---	---
Oil Hours	500	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



#### Oil Condition

Visc @ 40°C	cSt	● 115	● 113	---	---
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#### Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 1	● 4	---	---
Sodium	ppm	● <1	● 2	---	---
Potassium	ppm	● <1	● 0	---	---



#### Wear Metals

Iron	ppm	● 13	● 10	---	---
Copper	ppm	● 2	● 2	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 0	● <1	---	---
Aluminum	ppm	● 3	● 0	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	<1	● <1	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	<1	● <1	---	---
Vanadium	ppm	0	0	---	---



#### Additives

Calcium	ppm	51	● 286	---	---
Magnesium	ppm	3	● <1	---	---
Zinc	ppm	22	● 151	---	---
Phosphorus	ppm	319	● 463	---	---
Barium	ppm	0	● 0	---	---
Boron	ppm	4	● 75	---	---

#### Diagnosis

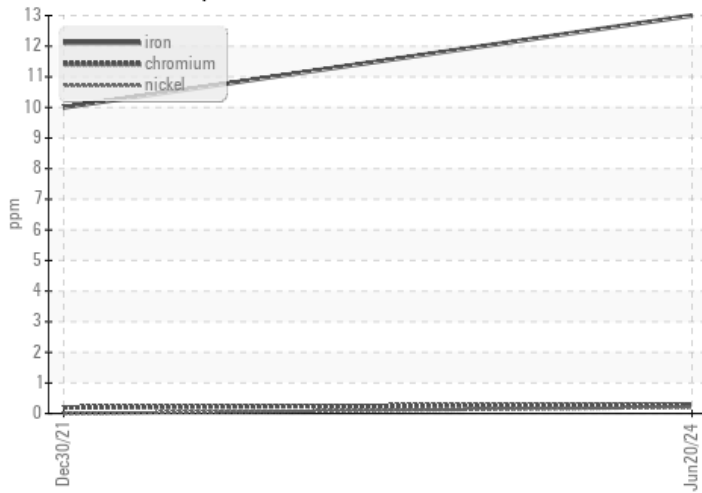
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SPASPALH  
 Unique No: 11100845  
 Signed: Jonathan Hester  
 Report Date: 01 Jul 2024

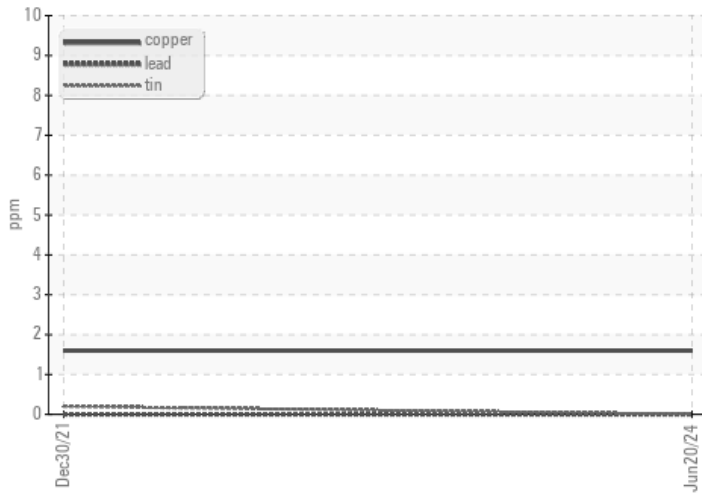


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

