

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH80M 114645-1218 - Front Left Wheel Hub

Sample No: LH0267415

Oil Type: LIEBHERR GEAR BASIC 90 LS



**SIMS METAL MANAGEMENT**  
 3220 DEEPWATER TERMINAL RD  
 RICHMOND, VA  
 US 23234  
 Contact: Service Manager

T: (703)392-0111  
 F:

#### 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.



#### SAMPLE INFORMATION

Sample Number	LH0267415	LH0254327	---	---
Sample Date	14 Sep 2023	20 Mar 2023	---	---
Machine Hours	9586	8400	---	---
Oil Hours	0	1000	---	---
Oil Changed	Changed	Not Chngd	---	---
Sample Status	NORMAL	NORMAL	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	177	179	---	---
-------------	-----	-----	-----	-----	-----



#### CONTAMINATION

Silicon	ppm	7	6	---	---
Sodium	ppm	12	11	---	---
Potassium	ppm	<1	0	---	---



#### WEAR METALS

Iron	ppm	91	106	---	---
Copper	ppm	6	4	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	0	<1	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	2	2	---	---
Vanadium	ppm	<1	0	---	---



#### ADDITIVES

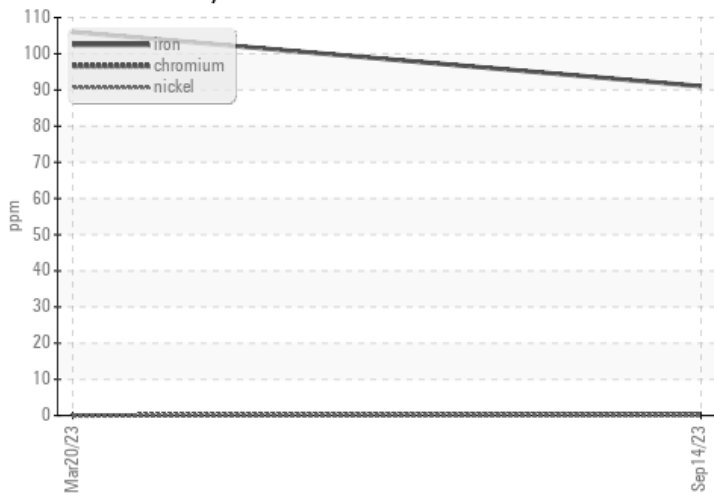
Calcium	ppm	40	34	---	---
Magnesium	ppm	0	4	---	---
Zinc	ppm	32	15	---	---
Phosphorus	ppm	2350	1850	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	0	---	---

Depot: SIMRCLH  
 Unique No: 10673818  
 Signed: Angela Borella  
 Report Date: 04 Oct 2023

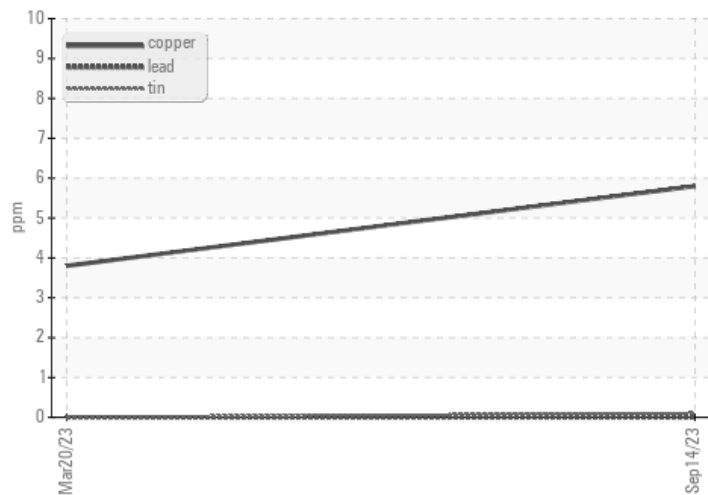


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

