

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH80M 114645-1218 - Front Right Wheel Hub

Sample No: LH0267416

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	LH0267416	LH0254320	---	---
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	176	178	---	---
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CONTAMINATION

Silicon	ppm	9	8	---	---
Sodium	ppm	19	15	---	---
Potassium	ppm	1	0	---	---



WEAR METALS

Iron	ppm	101	104	---	---
Copper	ppm	4	2	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	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

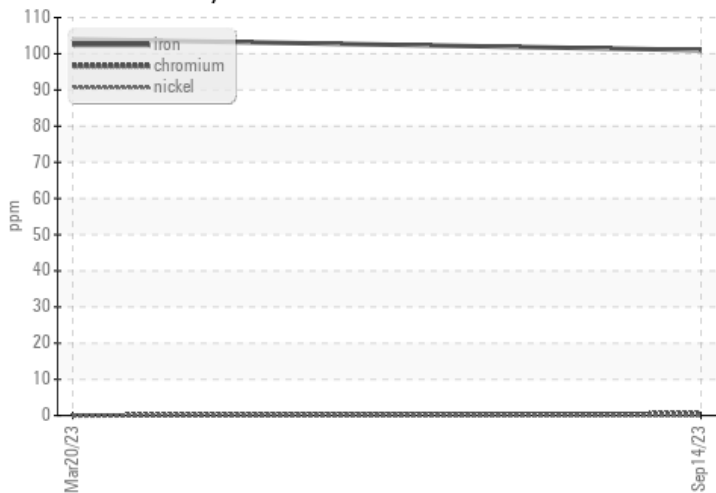
Calcium	ppm	47	38	---	---
Magnesium	ppm	0	4	---	---
Zinc	ppm	33	14	---	---
Phosphorus	ppm	2363	1886	---	---
Barium	ppm	0	0	---	---
Boron	ppm	<1	0	---	---

Depot: SIMRCLH
 Unique No: 10673819
 Signed: Angela Borella
 Report Date: 04 Oct 2023

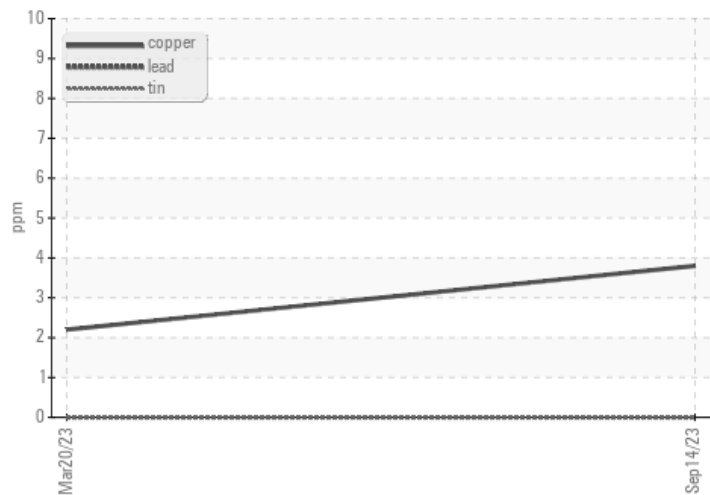


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

