

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 137 231 - Front Right Wheel Hub

Sample No: LH0268823

Oil Type: LIEBHERR GEAR BASIC 90 LS



UNITED SCRAP
1545 S CICERO AVE
BURR RIDGE, IL
US 60527
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0268823	---	---	---
Sample Date	23 Jan 2024	---	---	---
Machine Hours	3350	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 136	---	---	---
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T:
F:



CONTAMINATION

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

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.



WEAR METALS

Iron	ppm	● 51	---	---	---
Copper	ppm	● 9	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

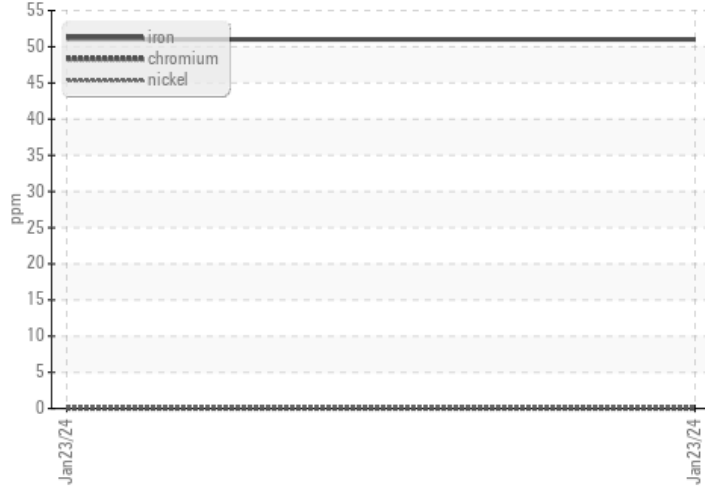
Calcium	ppm	● 11	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 9	---	---	---
Phosphorus	ppm	● 1096	---	---	---
Barium	ppm	● 1	---	---	---
Boron	ppm	● 121	---	---	---

Depot: UNIBURIL
Unique No: 10884164
Signed: Don Baldrige
Report Date: 18 Feb 2024

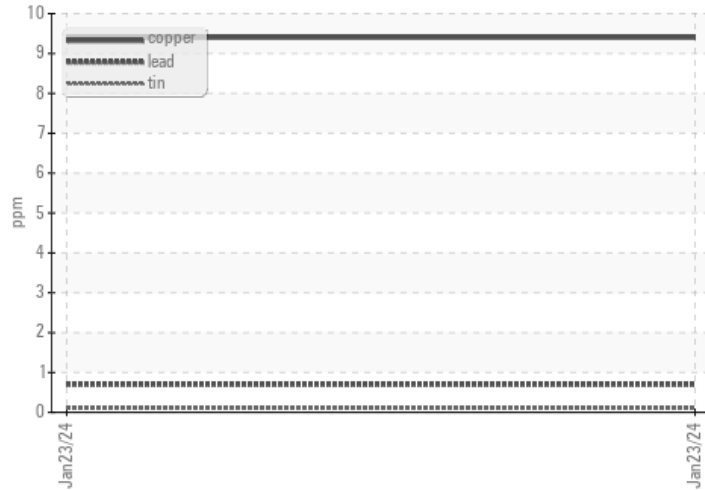


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

