

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LTM1070-4.2 060759 - Left Wheel Hub

Sample No: LH0259062

Oil Type: EP 90



SAMPLE INFORMATION

Sample Number	LH0259062	LH0259065	LH0259068	---
Sample Date	23 Jan 2024	23 Jan 2024	23 Jan 2024	---
Machine Hours	0	0	0	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES
 4100 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
 Contact: TERENCE VANDERLENDE
 TERENCE.VANDERLENDE@LIEBHERR.COM
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	143	147	144	---



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	15	13	18	---
Sodium	ppm	6	5	6	---
Potassium	ppm	<1	<1	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	173	246	641	---
Copper	ppm	10	23	22	---
Lead	ppm	0	<1	<1	---
Tin	ppm	<1	0	0	---
Aluminum	ppm	<1	1	2	---
Chromium	ppm	2	2	5	---
Molybdenum	ppm	<1	<1	<1	---
Nickel	ppm	<1	<1	1	---
Titanium	ppm	<1	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	3	3	6	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

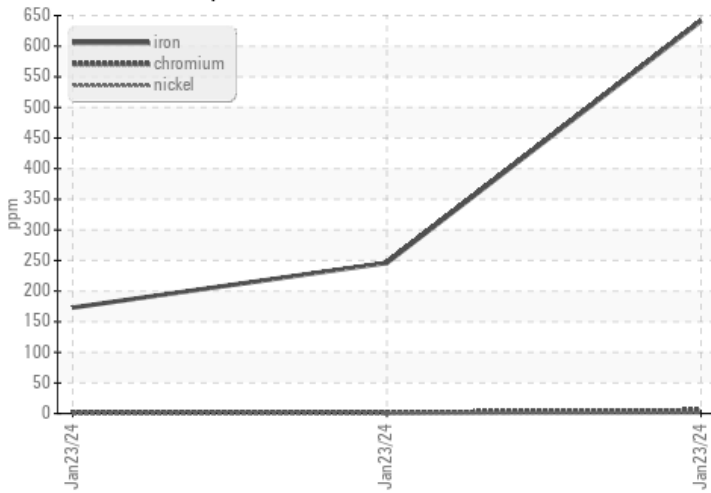
Calcium	ppm	33	30	33	---
Magnesium	ppm	0	0	0	---
Zinc	ppm	50	63	64	---
Phosphorus	ppm	611	692	627	---
Barium	ppm	0	0	0	---
Boron	ppm	<1	<1	4	---

Depot: LIENEW
 Unique No: 10847909
 Signed: Wes Davis
 Report Date: 26 Jan 2024

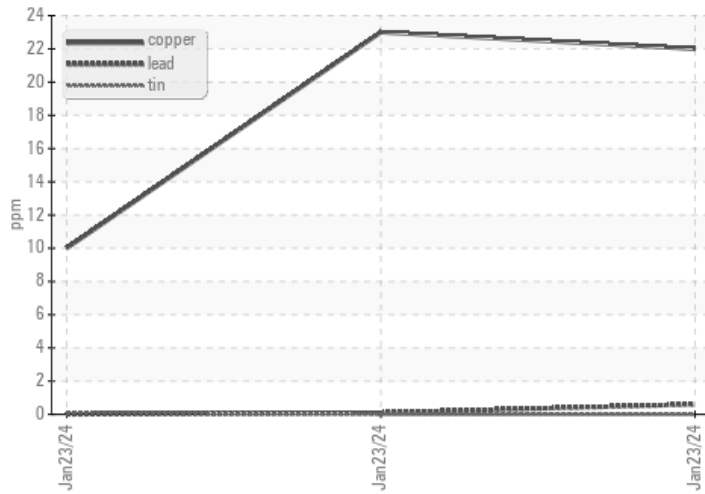


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

