

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LTM1130-5.1066718-5-Right Wheel Hub

Sample No: LH0259070

Oil Type: EP 90



SAMPLE INFORMATION

Sample Number	LH0259070	---	---	---
Sample Date	14 Feb 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	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	● 90.7	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 19	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 3	---	---	---



WEAR METALS

Iron	ppm	● 701	---	---	---
Copper	ppm	● 31	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	40	---	---	---
Magnesium	ppm	3	---	---	---
Zinc	ppm	23	---	---	---
Phosphorus	ppm	1071	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	134	---	---	---

Diagnosis

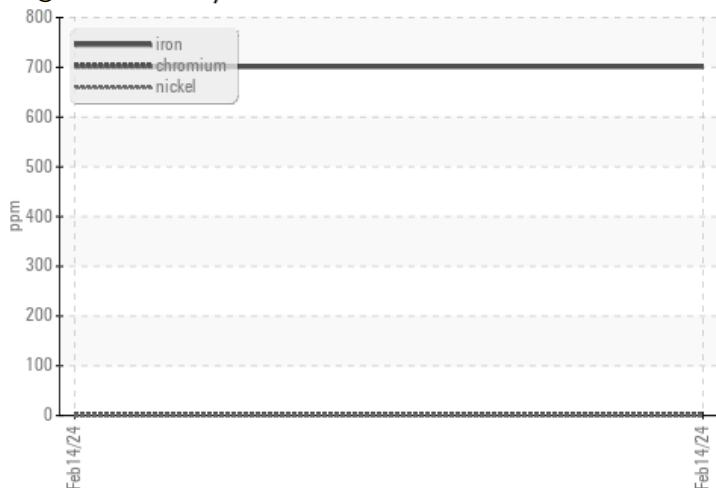
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIENEW
 Unique No: 10886613
 Signed: Sean Felton
 Report Date: 21 Feb 2024



GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

