

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LTM1130-5.1066718 - Differential

Sample No: LH0259043

Oil Type: EP 90



SAMPLE INFORMATION

Sample Number	LH0259043	LH0259042	---	---
Sample Date	14 Feb 2024	12 Feb 2024	---	---
Machine Hours	0	0	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

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	186	194	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	13	10	---	---
Sodium	ppm	4	4	---	---
Potassium	ppm	2	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	167	38	---	---
Copper	ppm	22	13	---	---
Lead	ppm	0	0	---	---
Tin	ppm	<1	0	---	---
Aluminum	ppm	1	<1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	2	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	4	3	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

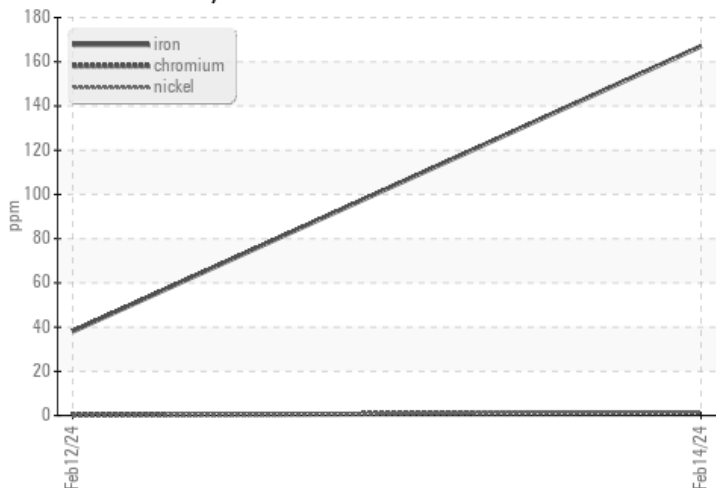
Calcium	ppm	8	8	---	---
Magnesium	ppm	5	1	---	---
Zinc	ppm	15	4	---	---
Phosphorus	ppm	1123	1133	---	---
Barium	ppm	5	4	---	---
Boron	ppm	5	4	---	---

Depot: LIENEW
 Unique No: 10886608
 Signed: Sean Felton
 Report Date: 21 Feb 2024

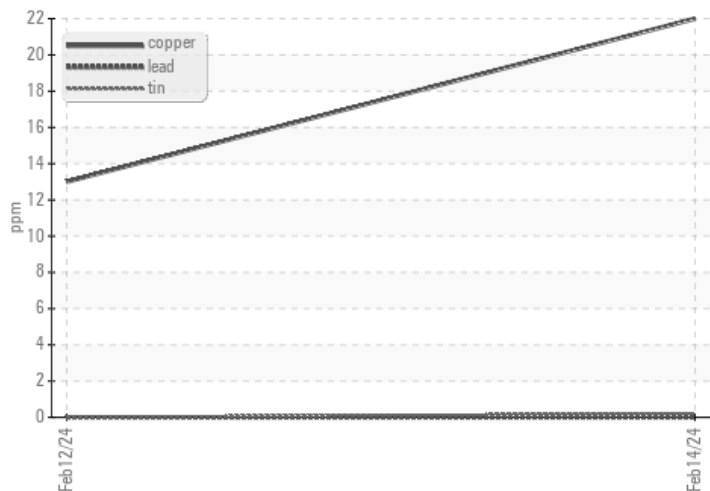


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

