

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LTM1130-5.1 066718 - Differential

Sample No: LH0259044

Oil Type: EP 90



SAMPLE INFORMATION

Sample Number	LH0259044	LH0259043	LH0259042	---
Sample Date	14 Feb 2024	14 Feb 2024	12 Feb 2024	---
Machine Hours	0	0	0	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	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	193	186	194	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	15	13	10	---
Sodium	ppm	3	4	4	---
Potassium	ppm	2	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	151	167	38	---
Copper	ppm	42	22	13	---
Lead	ppm	<1	0	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	1	1	<1	---
Chromium	ppm	<1	1	<1	---
Molybdenum	ppm	0	0	0	---
Nickel	ppm	1	2	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	4	4	3	---
Vanadium	ppm	0	0	0	---



ADDITIVES

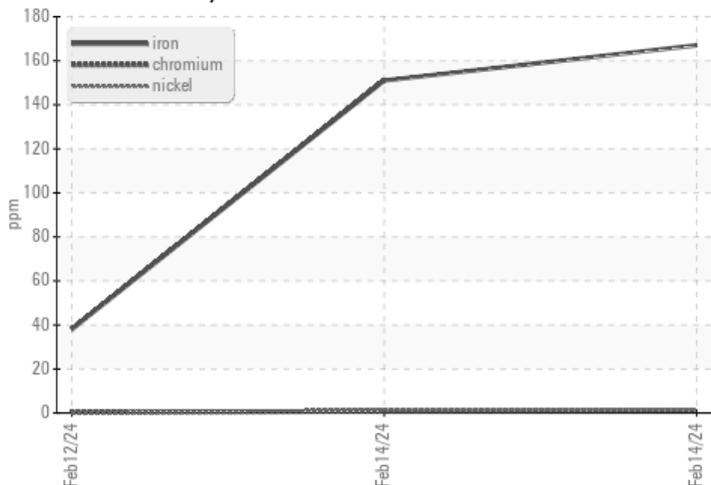
Calcium	ppm	5	8	8	---
Magnesium	ppm	2	5	1	---
Zinc	ppm	35	15	4	---
Phosphorus	ppm	1092	1123	1133	---
Barium	ppm	2	5	4	---
Boron	ppm	<1	5	4	---

Depot: LIENEW
 Unique No: 10886609
 Signed: Wes Davis
 Report Date: 20 Feb 2024

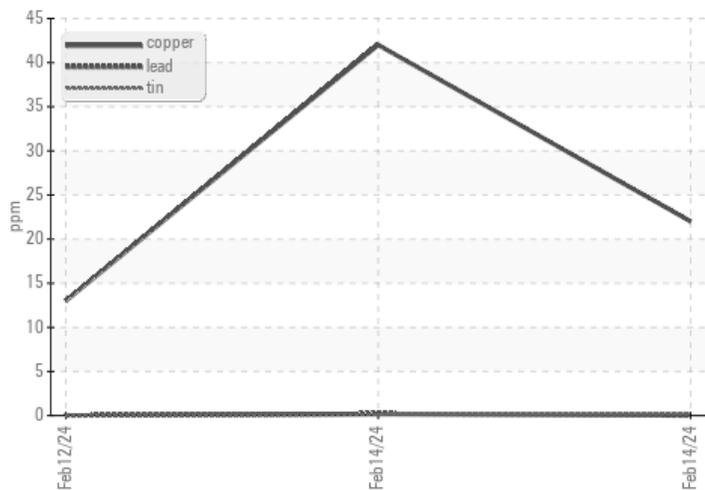


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

