

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LTM1250-5.1088721-2 Winch

Sample No: LH0259133

Oil Type: LIEBHERR GEAR PG 220



SAMPLE INFORMATION

Sample Number	LH0259133	---	---	---
Sample Date	20 Mar 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR USA CO - MOBILE AND CRAWLER CRANES
 4100 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
 Contact: CHRIS JONES
 chris.jones@liebherr.com
 T: (757)245-5251
 F:



OIL CONDITION

Visc @ 40°C	cSt	● 238	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 7	---	---	---
Potassium	ppm	● 4	---	---	---

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	● 12	---	---	---
Copper	ppm	● 2	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

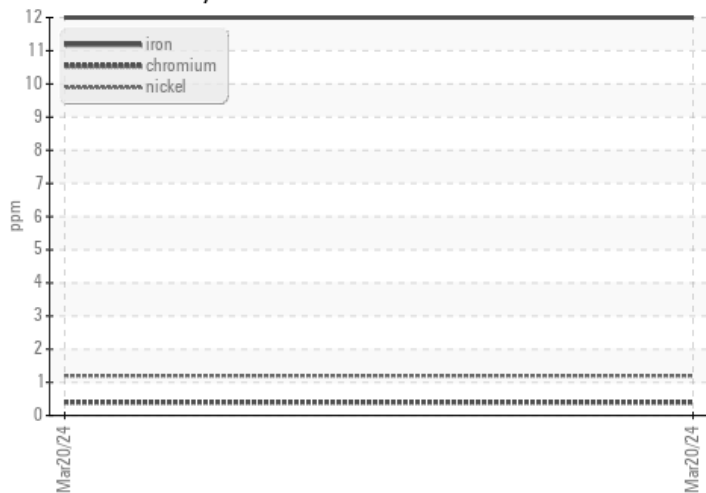
Calcium	ppm	● 13	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 43	---	---	---
Phosphorus	ppm	● 12	---	---	---
Barium	ppm	● 2	---	---	---
Boron	ppm	● 2	---	---	---

Depot: LIENEW
 Unique No: 10943001
 Signed: Jonathan Hester
 Report Date: 28 Mar 2024

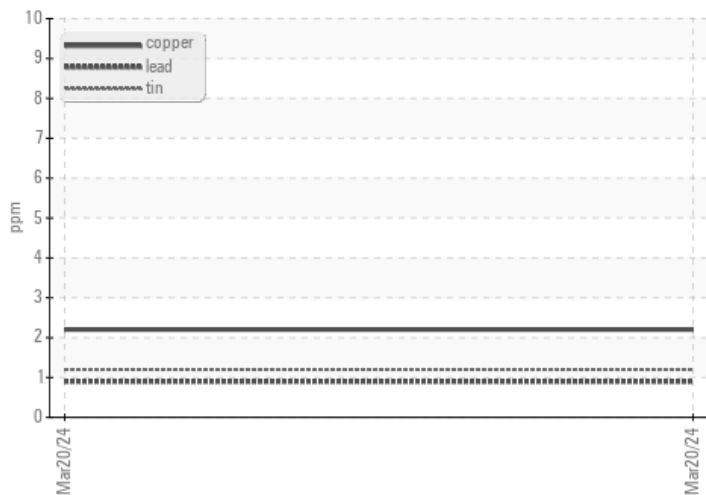


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

