

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 138127-1253 -Hydraulic System

Sample No: LH0254168

Oil Type: {unknown}



HEAVY MACHINES INC
 825 31ST STREET NORTH
 BIRMINGHAM, AL
 US 35203
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Sample Information

Sample Number	LH0254168	---	---	---
Sample Date	12 Apr 2024	---	---	---
Machine Hours	436	---	---	---
Oil Hours	436	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 45.2	---	---	---
Acid Number (AN)	mg KOH/g	● 1.57	---	---	---



Contamination

Water	%	● 0.449	---	---	---
Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● <1	---	---	---



Wear Metals

Iron	ppm	● 5	---	---	---
Copper	ppm	● 6	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	795	---	---	---
Magnesium	ppm	4	---	---	---
Zinc	ppm	636	---	---	---
Phosphorus	ppm	507	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

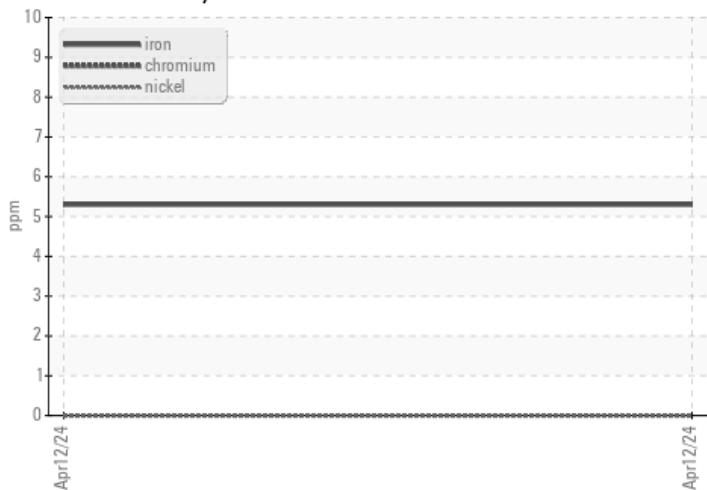
We advise that you check for the source of water entry. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid.

Depot: HEABIRLH
Unique No: 10983090
Signed: Don Baldrige
Report Date: 22 Apr 2024

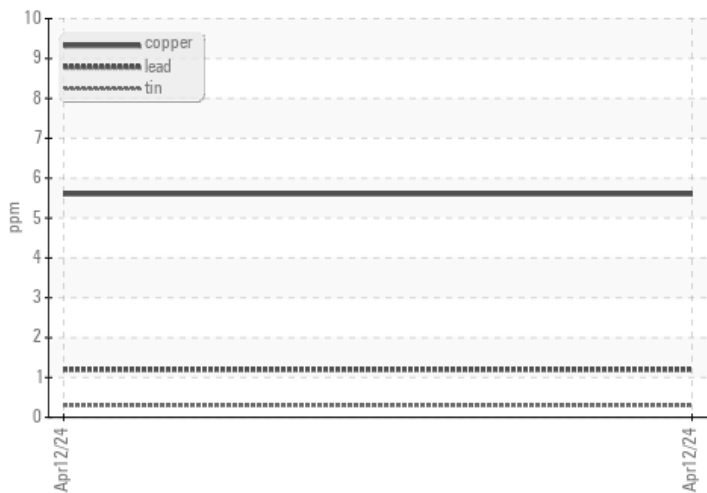


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

