

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R926 50225 - Swing Drive

Sample No: LH0236017

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0236017	---	---	---
Sample Date	16 Jan 2024	---	---	---
Machine Hours	835	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---

LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE
 NEWPORT NEWS, VA
 US 23607
 Contact: MARK RANGOS
 mark.rangos@liebherr.com
 T: (757)928-8725
 F: x:



OIL CONDITION

Visc @ 40°C	cSt	● 306	---	---	---
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CONTAMINATION

Water	%	● 1.54	---	---	---
Silicon	ppm	● 13	---	---	---
Sodium	ppm	● 8	---	---	---
Potassium	ppm	● 4	---	---	---



WEAR METALS

Iron	ppm	● 2585	---	---	---
Copper	ppm	● 3	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 34	---	---	---
Molybdenum	ppm	● 2	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 22	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 24	---	---	---
Magnesium	ppm	● 6	---	---	---
Zinc	ppm	● 53	---	---	---
Phosphorus	ppm	● 2225	---	---	---
Barium	ppm	● 18	---	---	---
Boron	ppm	● 8	---	---	---

Diagnosis

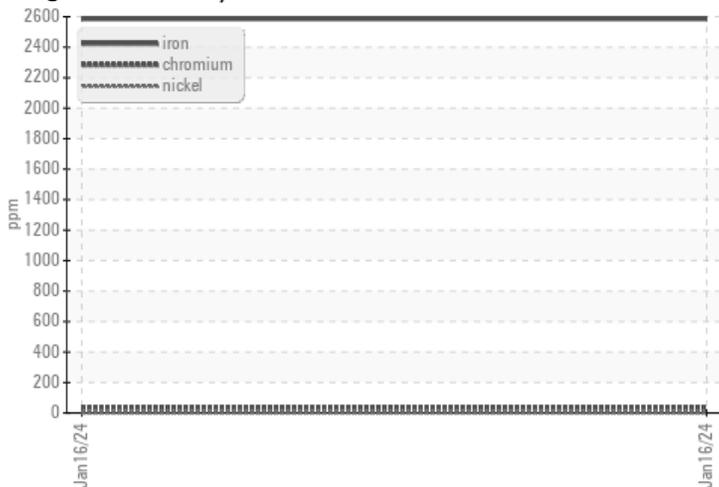
We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Gear wear is indicated. There is a high concentration of water present in the oil. The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Depot: LIEBHERRUS
 Unique No: 10845867
 Signed: Sean Felton
 Report Date: 26 Jan 2024

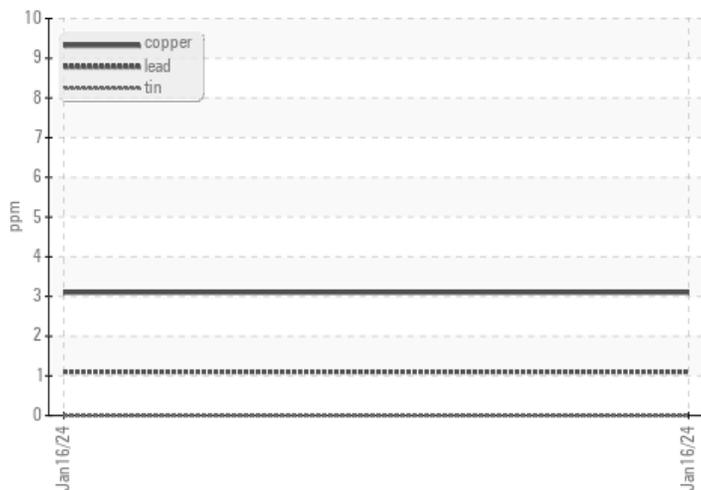


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



● Viscosity @ 40°C

