

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 1215-107073 - Swing Drive

Sample No: LH0272334

Oil Type: LIEBHERR GEAR BASIC 90 LS



STUFF RECYCLING
6169 LEXINGTON ROAD
WINCHESTER, KY
US 40391
Contact: Service Manager



Sample Information

Sample Number	LH0272334	---	---	---
Sample Date	06 Jun 2024	---	---	---
Machine Hours	12307	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 201	---	---	---
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Contamination

Water	%	● 1.04	---	---	---
Silicon	ppm	● 18	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 0	---	---	---



Wear Metals

Iron	ppm	● 6329	---	---	---
Copper	ppm	● 1922	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 51	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 77	---	---	---
Molybdenum	ppm	● 4	---	---	---
Nickel	ppm	● 14	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 51	---	---	---
Vanadium	ppm	● 0	---	---	---



Additives

Calcium	ppm	● 72	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 116	---	---	---
Phosphorus	ppm	● 1617	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 10	---	---	---

T:
F:

Diagnosis

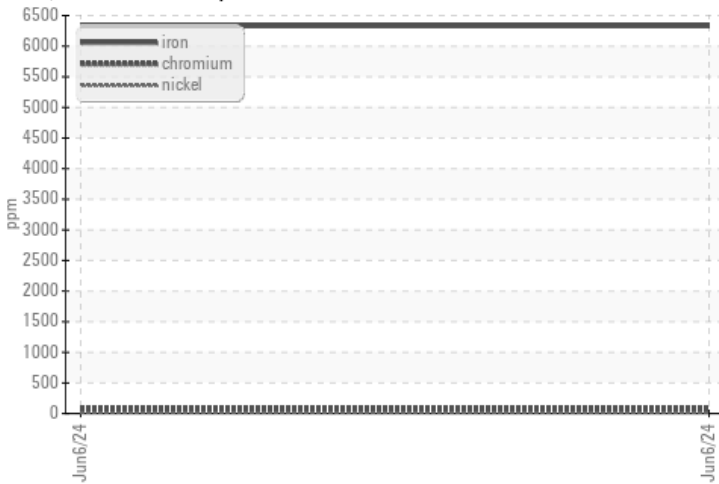
We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. The copper level is severe. Gear wear is indicated. Bearing and/or bushing wear is indicated. There is a high concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: STUWIN
Unique No: 11076866
Signed: Sean Felton
Report Date: 17 Jun 2024

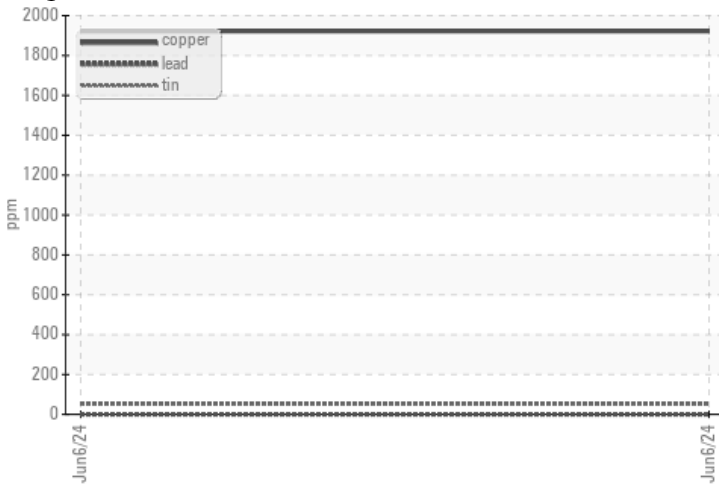


Graphs

● Ferrous Alloys



● Non-ferrous Metals



Viscosity @ 40°C

