

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60 119208-1217 - Swing Drive

Sample No: LH0272019

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR EQUIPMENT SOURCE
 8200 FAYETTEVILLE ROAD
 RALEIGH, NC
 US 27603
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Sample Information

Sample Number	LH0272019	---	---	---
Sample Date	23 Apr 2024	---	---	---
Machine Hours	5208	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 231	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 2	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 0	---	---	---



Wear Metals

Iron	ppm	● 809	---	---	---
Copper	ppm	● 41	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 2	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 8	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 6	---	---	---
Vanadium	ppm	0	---	---	---



Additives

Calcium	ppm	● 10	---	---	---
Magnesium	ppm	● <1	---	---	---
Zinc	ppm	● 6	---	---	---
Phosphorus	ppm	● 2671	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 8	---	---	---

Diagnosis

The oil 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 no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

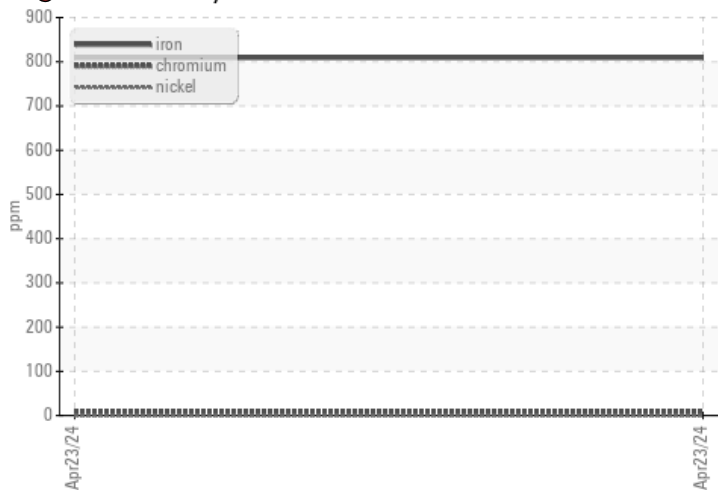
Depot: LIEBHERRNC
 Unique No: 10996230
 Signed: Don Baldrige
 Report Date: 29 Apr 2024

Submitted By: TAYLOR BLALOCK

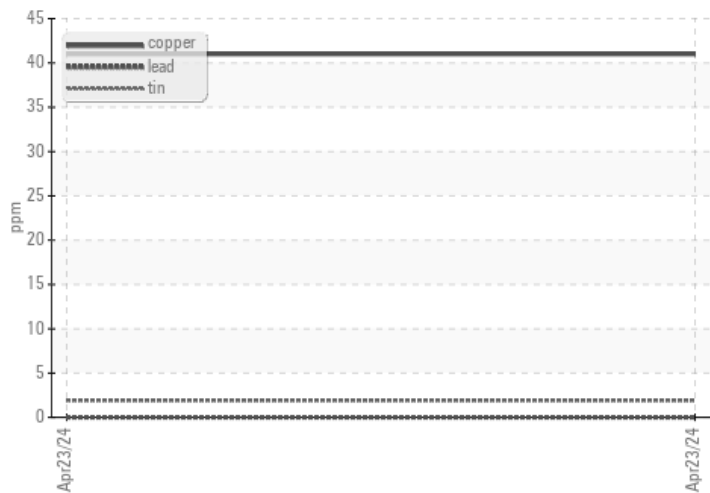


Graphs

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

