

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 114410-1216 - Pump Drive

Sample No: LH0268377

Oil Type: LIEBHERR GEAR BASIC 90 LS



RECO EQUIPMENT INC
 10461 GRAND RIVER RD
 BRIGHTON, MI
 US 48116
 Contact: MATT VISEL
 MVISEL@RECOEQUIP.COM
 T: (810)299-1731
 F:



Sample Information

Sample Number	LH0268377	LH0244119	---	---
Sample Date	11 Jun 2024	06 Jun 2023	---	---
Machine Hours	6530	4573	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



Oil Condition

Visc @ 40°C	cSt	● 173	● 188	---	---
-------------	-----	-------	-------	-----	-----



Contamination

Water	%	NEG	NEG	---	---
Silicon	ppm	● 1	● 2	---	---
Sodium	ppm	● 4	● 2	---	---
Potassium	ppm	● 3	● 1	---	---



Wear Metals

Iron	ppm	● 20	● 18	---	---
Copper	ppm	● 4	● <1	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● <1	● 0	---	---
Aluminum	ppm	● <1	● 0	---	---
Chromium	ppm	● 0	● <1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 1	● <1	---	---
Vanadium	ppm	0	0	---	---



Additives

Calcium	ppm	● 72	● 28	---	---
Magnesium	ppm	● 2	● <1	---	---
Zinc	ppm	● 68	● 17	---	---
Phosphorus	ppm	● 2427	● 3239	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● <1	● 0	---	---

Diagnosis

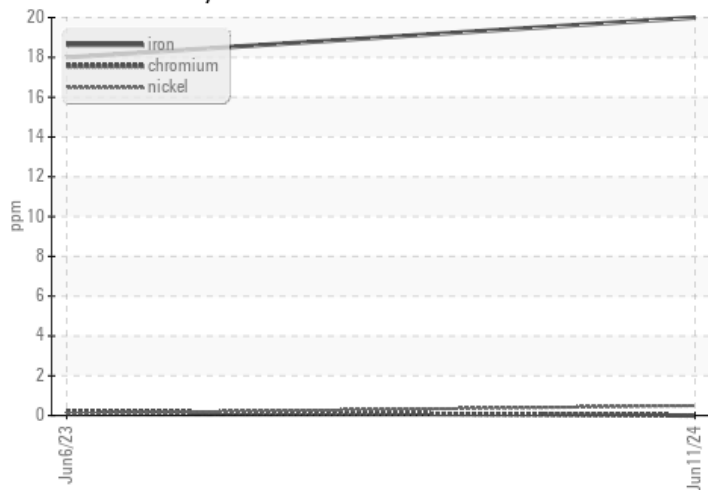
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RECBRILH
 Unique No: 11090014
 Signed: Wes Davis
 Report Date: 24 Jun 2024

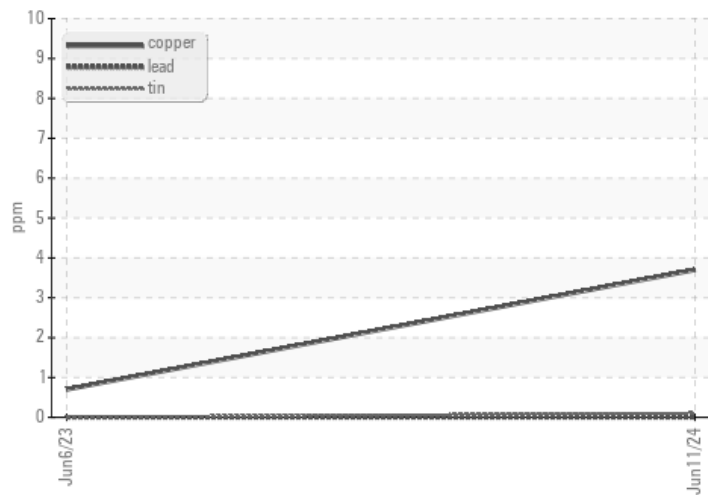


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

