

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 145582-1216 - Swing Drive

Sample No: LH0268525

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	LH0268525	LH0243271	LH0229076	---
Sample Date	14 Sep 2023	15 Jun 2023	15 Mar 2023	---
Machine Hours	1633	1005	461	---
Oil Hours	992	0	461	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	● 157	● 175	● 98.4	---
-------------	-----	-------	-------	--------	-----



CONTAMINATION

Silicon	ppm	● <1	● <1	● 3	---
Sodium	ppm	● 1	● 2	● 3	---
Potassium	ppm	● <1	● 3	● 0	---



WEAR METALS

Iron	ppm	● 31	● 68	● 61	---
Copper	ppm	● 46	● 23	● 13	---
Lead	ppm	● 0	● 1	● 0	---
Tin	ppm	● <1	● <1	● <1	---
Aluminum	ppm	● <1	● 2	● 0	---
Chromium	ppm	● <1	● <1	● <1	---
Molybdenum	ppm	● <1	● <1	● <1	---
Nickel	ppm	● 0	● <1	● 0	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	● <1	● 1	● 2	---
Vanadium	ppm	0	0	<1	---



ADDITIVES

Calcium	ppm	● 148	● 62	● 674	---
Magnesium	ppm	● 4	● 6	● 5	---
Zinc	ppm	● 95	34	● 341	---
Phosphorus	ppm	● 2063	● 2269	● 1445	---
Barium	ppm	● 0	● 0	● 0	---
Boron	ppm	● 3	● 4	● 2	---

Diagnosis

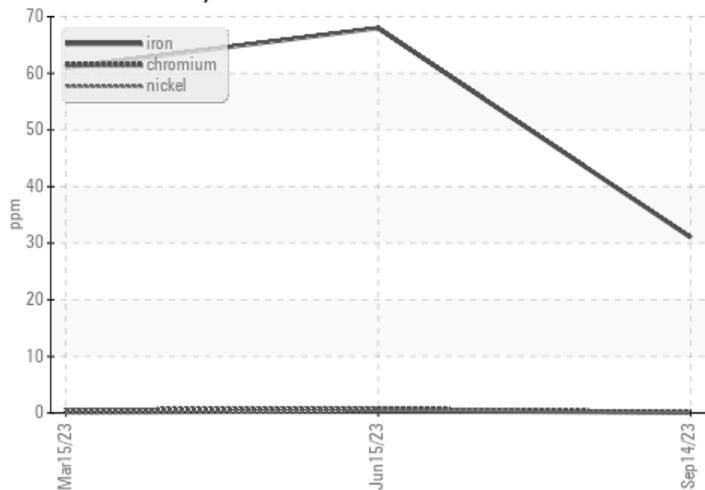
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: RECBRILH
Unique No: 10669689
Signed: Don Baldrige
Report Date: 29 Sep 2023

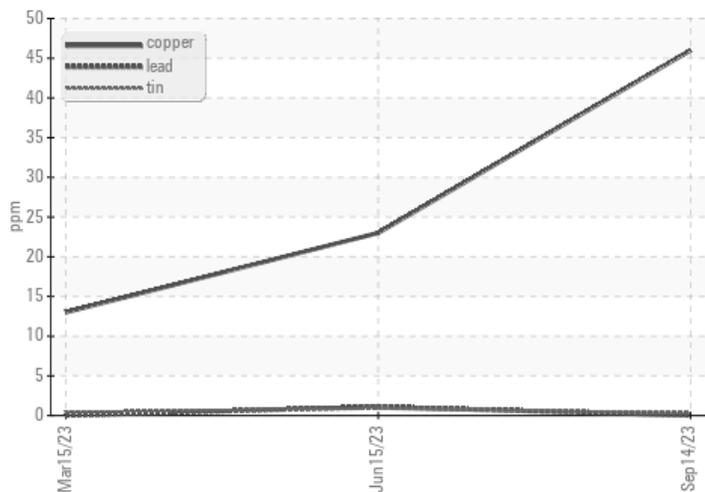


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

