

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LRB18 110900 - Swing Drive

Sample No: LH06062227

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH06062227	---	---	---
Sample Date	22 Dec 2023	---	---	---
Machine Hours	2017	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

FINKBINER EQUIPMENT CO.
 15 W 400 N FRONTAGE RD
 BURR RIDGE, IL
 US 60527
 Contact: TROY MILLER
 tmiller@finkbiner.com
 T: (630)654-3700
 F: (630)654-3792



OIL CONDITION

Visc @ 40°C	cSt	● 192	---	---	---
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CONTAMINATION

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



WEAR METALS

Iron	ppm	● 55	---	---	---
Copper	ppm	● 311	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 8	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 13	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 23	---	---	---
Phosphorus	ppm	● 1121	---	---	---
Barium	ppm	● 2	---	---	---
Boron	ppm	● 0	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing 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: LEC0033
Unique No: 10833609
Signed: Don Baldrige
Report Date: 18 Jan 2024



GRAPHS

