

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR A934BHD 022282-934 - Swing Drive

Sample No: LHMC101082

Oil Type: SAE 85W90



**RECO EQUIPMENT INC.**  
 20620 ROUTE 19 NORTH  
 CRANBERRY TOWNSHIP, PA  
 US 16066  
 Contact: RICK STARINCHAK  
 RAS@RECOEQUIP.COM  
 T: (724)779-4646  
 F: (724)779-4611



#### SAMPLE INFORMATION

Sample Number	LHMC101082	---	---	---
Sample Date	16 Aug 2023	---	---	---
Machine Hours	48596	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	SEVERE	---	---	---



#### OIL CONDITION

Visc @ 40°C	cSt	● 103	---	---	---
-------------	-----	-------	-----	-----	-----



#### CONTAMINATION

Water	%	● 0.346	---	---	---
Silicon	ppm	● 16	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 4	---	---	---



#### WEAR METALS

Iron	ppm	● 2602	---	---	---
Copper	ppm	● 1455	---	---	---
Lead	ppm	● 14	---	---	---
Tin	ppm	● 86	---	---	---
Aluminum	ppm	● 4	---	---	---
Chromium	ppm	● 20	---	---	---
Molybdenum	ppm	● 2	---	---	---
Nickel	ppm	● 5	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 19	---	---	---
Vanadium	ppm	<1	---	---	---



#### ADDITIVES

Calcium	ppm	● 29	---	---	---
Magnesium	ppm	● 7	---	---	---
Zinc	ppm	● 234	---	---	---
Phosphorus	ppm	● 964	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 102	---	---	---

#### 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. Bearing and/or bushing wear is indicated. There is a light concentration of water present in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

**Depot:** LEC0070  
**Unique No:** 10615825  
**Signed:** Don Baldrige  
**Report Date:** 23 Aug 2023

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### GRAPHS

#### ● Ferrous Alloys



#### ● Non-ferrous Metals



#### Viscosity @ 40°C

